



Appendix R

Sediment Analytical Data

C-Block Quarry

Building 1200

Landfill North of Winklepeck Burning Grounds

Pistol Range

Load Line 5

Load Line 7

Load Line 8

Load Line 10

Buildings F-15/F-16

Atlas Scrap Yard

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LABORATORY TEST RESULTS											
Job Number: 231877								Date: 12/02/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: CBLsd-001M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 15:05 Sample Matrix.....: Sediment						Laboratory Sample ID: 231877-24 Date Received.....: 11/11/2004 Time Received.....: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	69.3		0.10	0.10	1	%	133996		11/11/04 1340	daj
	% Solids, Solid	30.7		0.10	0.10	1	%	133996		11/11/04 1340	daj
	% Moisture, Solid										
7196A	Hexavalent Chromium Hexavalent Chromium, Solid*	2.5	U	0.62	2.5	1	mg/Kg	134562		11/17/04 0817	pmf

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231877								Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: CBLsd-001M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 15:05 Sample Matrix.....: Sediment						Laboratory Sample ID: 231877-24 Date Received.....: 11/11/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QC	FLAGS	ML	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	69.3			0.10	0.10	1	%	133996		11/11/04 1340	daj
	% Moisture, Solid	30.7			0.10	0.10	1	%	133996		11/11/04 1340	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.40	1.3	1	mg/Kg	134864		11/18/04 2149	daj
7841	Thallium (GFAA) Thallium, Solid*	0.18		B	0.17	0.55	1	mg/Kg	134716		11/17/04 2205	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.019		B	0.0062	0.024	1	mg/Kg	135018		11/18/04 1506	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			3.3	21	1	mg/Kg	135366		11/23/04 1703	tds
	Barium, Solid*	52			0.14	0.90	1	mg/Kg	135030		11/20/04 1713	lmr
	Arsenic, Solid*	15			0.46	1.4	1	mg/Kg	135030		11/20/04 1713	lmr
	Beryllium, Solid*	0.78			0.040	0.36	1	mg/Kg	135030		11/20/04 1713	lmr
	Cadmium, Solid*	0.23		U	0.072	0.23	1	mg/Kg	135030		11/20/04 1713	lmr
	Calcium, Solid*	310			2.8	9.0	1	mg/Kg	135030		11/20/04 1713	lmr
	Chromium, Solid*	15			0.20	0.90	1	mg/Kg	135030		11/20/04 1713	lmr
	Cobalt, Solid*	9.3			0.13	0.45	1	mg/Kg	135030		11/20/04 1713	lmr
	Copper, Solid*	9.3			1.2	4.1	1	mg/Kg	135366		11/23/04 1703	tds
	Iron, Solid*	26000			2.7	9.0	1	mg/Kg	135030		11/20/04 1713	lmr
	Magnesium, Solid*	1600			1.5	9.0	1	mg/Kg	135030		11/20/04 1713	lmr
	Manganese, Solid*	970			0.12	0.90	1	mg/Kg	135030		11/20/04 1713	lmr
	Nickel, Solid*	11			0.23	0.90	1	mg/Kg	135030		11/20/04 1713	lmr
	Lead, Solid*	15			0.39	1.4	1	mg/Kg	135030		11/20/04 1713	lmr
Potassium, Solid*	950			19	69	1	mg/Kg	135366		11/23/04 1703	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 231877				Date: 11/29/2004							
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RMAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: CBLsd-001M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 15:05 Sample Matrix.....: Sediment				Laboratory Sample ID: 231877-24 Date Received.....: 11/11/2004 Time Received.....: 10:00							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	HDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.1	B	0.55	2.1	1	mg/Kg	135366		11/23/04 1703	tds
	Silver, Solid*	0.90	U	0.28	0.90	1	mg/Kg	135030		11/20/04 1713	lmr
	Sodium, Solid*	350	B	120	410	1	mg/Kg	135366		11/23/04 1703	tds
	Vanadium, Solid*	29		0.19	0.90	1	mg/Kg	135030		11/20/04 1713	lmr
	Zinc, Solid*	39		0.36	1.8	1	mg/Kg	135030		11/20/04 1713	lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231877						Date: 11/24/2004						
CUSTOMER: WKM Engineers, Inc.				PROJECT: USACE RWAPP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: CBLsd-001M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 15:05 Sample Matrix.....: Sediment						Laboratory Sample ID: 231877-24 Date Received.....: 11/11/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135440		11/18/04 0213	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135440		11/18/04 0213	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 231877								Date: 12/02/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RYAMP 14 AGCS				ATTN: Eric Ellis			
Customer Sample ID: CBLsd-002M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Sediment						Laboratory Sample ID: 231877-6 Date Received.....: 11/11/2004 Time Received.....: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	68.3		0.10	0.10	1	%	134212		11/13/04 1126	daj
	% Moisture, Solid	31.7		0.10	0.10	1	%	134212		11/13/04 1126	daj
7196A	Hexavalent Chromium Hexavalent Chromium, Solid*	2.4	U	0.59	2.4	1	mg/Kg	134562		11/17/04 0815	pmf

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/29/2004

Job Number: 231877

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

Customer Sample ID: CBLsd-002M-SD Laboratory Sample ID: 231877-6
 Date Sampled.....: 11/09/2004 Date Received.....: 11/11/2004
 Time Sampled.....: 14:00 Time Received.....: 10:00
 Sample Matrix.....: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	68.3		0.10	0.10	1	%	134212		11/13/04 1126	daj
	% Solids, Solid	31.7		0.10	0.10	1	%	134212		11/13/04 1126	daj
	% Moisture, Solid										
7041	Antimony (GFAA) Antimony, Solid*	1.9	U	0.61	1.9	1	mg/Kg	134864		11/19/04 0110	daj
7841	Thallium (GFAA) Thallium, Solid*	0.83	U	0.26	0.83	1	mg/Kg	134716		11/18/04 0115	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.015	B	0.0063	0.024	1	mg/Kg	135018		11/18/04 1530	gok
60108	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	10000		3.5	22	1	mg/Kg	135060		11/21/04 2149	tds
	Barium, Solid*	63		0.23	1.5	1	mg/Kg	135030		11/20/04 1250	lmr
	Arsenic, Solid*	15		0.74	2.2	1	mg/Kg	135030		11/20/04 1250	lmr
	Beryllium, Solid*	0.77		0.064	0.58	1	mg/Kg	135030		11/20/04 1250	lmr
	Cadmium, Solid*	0.12	B	0.12	0.36	1	mg/Kg	135030		11/20/04 1250	lmr
	Calcium, Solid*	2200		4.5	15	1	mg/Kg	135030		11/20/04 1250	lmr
	Chromium, Solid*	14		0.32	1.5	1	mg/Kg	135030		11/20/04 1250	lmr
	Cobalt, Solid*	14		0.20	0.73	1	mg/Kg	135030		11/20/04 1250	lmr
	Copper, Solid*	14		1.3	4.4	1	mg/Kg	135060		11/21/04 2149	tds
	Iron, Solid*	23000		4.4	15	1	mg/Kg	135030		11/20/04 1250	lmr
	Magnesium, Solid*	2100		2.5	15	1	mg/Kg	135030		11/20/04 1250	lmr
	Manganese, Solid*	550		0.19	1.5	1	mg/Kg	135030		11/20/04 1250	lmr
	Nickel, Solid*	16		0.36	1.5	1	mg/Kg	135030		11/20/04 1250	lmr
	Lead, Solid*	22		0.63	2.2	1	mg/Kg	135030		11/20/04 1250	lmr
	Potassium, Solid*	780		20	73	1	mg/Kg	135060		11/21/04 2149	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											Date: 11/29/2004				
Job Number: 231877				PROJECT: USACE RVAAP 14 AGCS					ATTN: Eric Ellis						
CUSTOMER: NKN Engineers, Inc.				Customer Sample ID: CBLsd-002M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Sediment								Laboratory Sample ID: 231877-6 Date Received.....: 11/11/2004 Time Received.....: 10:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH			
	Selenium, Solid*	0.60	B		0.58	2.2	1	mg/Kg	135030		11/20/04 1250	lmr			
	Silver, Solid*	1.5	U		0.45	1.5	1	mg/Kg	135030		11/20/04 1250	lmr			
	Sodium, Solid*	440	U		130	440	1	mg/Kg	135060		11/21/04 2149	tds			
	Vanadium, Solid*	20			0.31	1.5	1	mg/Kg	135030		11/20/04 1250	lmr			
	Zinc, Solid*	62			0.58	2.9	1	mg/Kg	135030		11/20/04 1250	lmr			

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877

Date: 12/06/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RYAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: CBLsd-002N-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231877-6
 Date Received.....: 11/11/2004
 Time Received.....: 10:00

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*	24	U		2.2	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	beta-BHC, 3541 Solid*	24	U		2.1	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	delta-BHC, 3541 Solid*	24	U		1.5	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	gamma-BHC (Lindane), 3541 Solid*	24	U		3.2	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Heptachlor, 3541 Solid*	24	U	*	2.5	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Aldrin, 3541 Solid*	24	U	*	1.8	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Heptachlor epoxide, 3541 Solid*	24	U		1.9	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Endosulfan I, 3541 Solid*	24	U	*	3.7	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Dieldrin, 3541 Solid*	24	U		4.7	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	4,4'-DDE, 3541 Solid*	28	U		9.0	28	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Endrin, 3541 Solid*	24	U		6.0	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Endosulfan II, 3541 Solid*	24	U		3.9	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	4,4'-DDD, 3541 Solid*	24	U		5.0	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Endosulfan sulfate, 3541 Solid*	24	U		4.0	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	4,4'-DDT, 3541 Solid*	24	U		5.1	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Methoxychlor, 3541 Solid*	120	U		32	120	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	alpha-Chlordane, 3541 Solid*	24	U		1.7	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	gamma-Chlordane, 3541 Solid*	24	U		2.1	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Endrin aldehyde, 3541 Solid*	24	U		4.6	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Endrin ketone, 3541 Solid*	24	U		4.0	24	10.0000	ug/Kg	136280		11/25/04 0211	kdl
	Toxaphene, 3541 Solid*	230	U		64	230	10.0000	ug/Kg	136280		11/25/04 0211	kdl
Method	% Solids Determination											
	% Solids, Solid	68.3			0.10	0.10	1	%	134212		11/13/04 1126	daj
	% Moisture, Solid	31.7			0.10	0.10	1	%	134212		11/13/04 1126	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: CBLsd-002M-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231877-6
 Date Received.....: 11/11/2004
 Time Received.....: 10:00

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*	46	U		12	46	1.00000	ug/Kg	135913		11/24/04 0204	bjt
	Aroclor 1221, 3541 Solid*	46	U		6.4	46	1.00000	ug/Kg	135913		11/24/04 0204	bjt
	Aroclor 1232, 3541 Solid*	23	U		6.2	23	1.00000	ug/Kg	135913		11/24/04 0204	bjt
	Aroclor 1242, 3541 Solid*	46	U		6.8	46	1.00000	ug/Kg	135913		11/24/04 0204	bjt
	Aroclor 1248, 3541 Solid*	23	U		5.1	23	1.00000	ug/Kg	135913		11/24/04 0204	bjt
	Aroclor 1254, 3541 Solid*	46	U		6.2	46	1.00000	ug/Kg	135913		11/24/04 0204	bjt
	Aroclor 1260, 3541 Solid*	46	U		18	46	1.00000	ug/Kg	135913		11/24/04 0204	bjt
Method	% Solids Determination											
	% Solids, Solid	68.3			0.10	0.10	1	%	134212		11/13/04 1126	daj
	% Moisture, Solid	31.7			0.10	0.10	1	%	134212		11/13/04 1126	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231833

Date: 11/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: CBLsd-002D-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231833-8
 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	69.0										
	% Solids, Solid	31.0			0.10	0.10	1	%	134159		11/12/04 1627	gok
82608	% Moisture, Solid				0.10	0.10	1	%	134159		11/12/04 1627	gok
	Volatile Organics											
	Chloromethane, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Vinyl chloride, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Bromomethane, Solid*	7.2		U	1.9	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Chloroethane, Solid*	7.2		U	1.4	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,1-Dichloroethene, Solid*	7.2		U	1.9	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Carbon disulfide, Solid*	7.2		U	1.7	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Acetone, Solid*	11		J	6.7	22	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Methylene chloride, Solid*	14		U	4.2	14	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	trans-1,2-Dichloroethene, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,1-Dichloroethane, Solid*	7.2		U	1.4	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	cis-1,2-Dichloroethene, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	2-Butanone (MEK), Solid*	22		U	5.7	22	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Bromochloromethane, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Chloroform, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,1,1-Trichloroethane, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Carbon tetrachloride, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Benzene, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,2-Dichloroethane, Solid*	7.2		U	1.4	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Trichloroethene, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,2-Dichloropropane, Solid*	7.2		U	1.4	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Bromodichloromethane, Solid*	7.2		U	1.4	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	cis-1,3-Dichloropropene, Solid*	7.2		U	1.3	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	14		U	1.4	14	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Toluene, Solid*	7.2		U	1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231833

Date: 11/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: CBLsd-002D-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231833-8
 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
	trans-1,3-Dichloropropene, Solid*	7.2	U		1.1	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,1,2-Trichloroethane, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Tetrachloroethene, Solid*	7.2	U		1.7	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	2-Hexanone, Solid*	14	U		1.6	14	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Dibromochloromethane, Solid*	7.2	U		1.1	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,2-Dibromoethane (EDB), Solid*	7.2	U		1.2	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Chlorobenzene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Ethylbenzene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	m&p-Xylenes, Solid*	14	U		3.3	14	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	o-Xylene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Styrene, Solid*	7.2	U		1.6	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Bromoform, Solid*	7.2	U		1.1	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,1,2,2-Tetrachloroethane, Solid*	7.2	U		1.4	7.2	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	1,2-Dichloroethene (total), Solid*	14	U		3.0	14	1.00000	ug/Kg	133968		11/10/04 2353	jdj
	Xylenes (total), Solid*	14	U		4.9	14	1.00000	ug/Kg	133968		11/10/04 2353	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											Date: 12/02/2004	
Job Number: 231877				CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis
Customer Sample ID: CBLsd-002M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Sediment						Laboratory Sample ID: 231877-6 Date Received.....: 11/11/2004 Time Received.....: 10:00						
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*	240	U		10	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	96	U		13	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	240	U		19	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	240	U		22	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	240	U		20	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Benzyl alcohol, 3541 Low Solid*	960	U		110	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	96	U		15	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	240	U		23	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	96	U		19	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Hexachloroethane, 3541 Low Solid*	240	U		12	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	96	U		17	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2-Chlorophenol, 3541 Low Solid*	240	U		19	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Nitrobenzene, 3541 Low Solid*	47	U		12	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	96	U		13	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	240	U		20	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Benzoic acid, 3541 Low Solid*	960	U	*	280	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Isophorone, 3541 Low Solid*	240	U		28	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	470	U		23	470	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Hexachlorobutadiene, 3541 Low Solid*	240	U		13	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Naphthalene, 3541 Low Solid*	47	U		12	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	470	U		22	470	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	4-Chloroaniline, 3541 Low Solid*	960	U		77	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	240	U		54	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	470	U		64	470	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1400	U		440	1400	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2-Methylnaphthalene, 3541 Low Solid*	47	U		14	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2-Nitroaniline, 3541 Low Solid*	240	U		15	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2-Chloronaphthalene, 3541 Low Solid*	240	U		22	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231877						Date: 12/02/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: CBLsd-002M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Sediment						Laboratory Sample ID: 231877-6 Date Received.....: 11/11/2004 Time Received.....: 10:00						
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*	470	U		50	470	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	47	U		13	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2-Nitrophenol, 3541 Low Solid*	470	U		21	470	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	3-Nitroaniline, 3541 Low Solid*	960	U		200	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Dimethyl phthalate, 3541 Low Solid*	96	U		13	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	960	U	*	150	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Acenaphthylene, 3541 Low Solid*	47	U		12	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	47	U		15	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Acenaphthene, 3541 Low Solid*	47	U		12	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Dibenzofuran, 3541 Low Solid*	96	U		13	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	4-Nitrophenol, 3541 Low Solid*	960	U		300	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Fluorene, 3541 Low Solid*	47	U		13	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	4-Nitroaniline, 3541 Low Solid*	960	U		64	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	240	U		14	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Hexachlorobenzene, 3541 Low Solid*	47	U		14	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Diethyl phthalate, 3541 Low Solid*	96	U		14	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	240	U		14	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Pentachlorophenol, 3541 Low Solid*	470	U		160	470	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	47	U		15	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	960	U		240	960	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Phenanthrene, 3541 Low Solid*	72	U		22	72	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Anthracene, 3541 Low Solid*	47	U		16	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Carbazole, 3541 Low Solid*	240	U		17	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	240	U		16	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Fluoranthene, 3541 Low Solid*	17	J		15	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Pyrene, 3541 Low Solid*	72	U		17	72	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	96	U		15	96	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Benzo(a)anthracene, 3541 Low Solid*	47	U		14	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Chrysene, 3541 Low Solid*	47	U		15	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: CBLsd-002M-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231877-6
 Date Received.....: 11/11/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	240	U		21	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	240	U		46	240	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	470	U		15	470	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	14	J		13	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	47	U		13	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Benzo(a)pyrene, 3541 Low Solid*	47	U		14	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	47	U		15	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Dibenz(a,h)anthracene, 3541 Low Solid*	47	U		14	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	47	U		16	47	1.00000	ug/Kg	135942		11/30/04 1834	dpk
Method	% Solids Determination											
	% Solids, Solid	68.3			0.10	0.10	1	%	134212		11/13/04 1126	daj
	% Moisture, Solid	31.7			0.10	0.10	1	%	134212		11/13/04 1126	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877

Date: 11/24/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: CBLsd-002M-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231877-6
 Date Received.....: 11/11/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135429		11/17/04 0711	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135429		11/17/04 0711	bdw
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135429		11/17/04 0711	bdw	
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	135466		11/19/04 1116	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: CBLsd-002M-SD

Trace Level Organic Compounds

Lot-Sample #....: G4K110359-004 Work Order #....: GWRVP1AA
Date Sampled....: 11/09/04 14:00 Date Received...: 11/11/04
Prep Date.....: 11/19/04 Analysis Date...: 11/20/04
Prep Batch #....: 4322550
Dilution Factor: 1

Matrix.....: SOLID

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: CBLsd-002M-SD

General Chemistry

Lot-Sample #....: G4K110359-004 Work Order #....: GWRVP
Date Sampled....: 11/09/04 14:00 Date Received...: 11/11/04

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	0.81 B,J	2.0	mg/kg	MCAWW 353.2	11/20-11/24/04	4325110
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 40 mL	
			MDL.....: 0.57			

NOTE(S) :

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

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LABORATORY TEST RESULTS

Job Number: 231833

Date: 11/20/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: CBLsd-002D-DUP
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231833-9
 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	76.4			0.10	0.10	1	%	134159		11/12/04 1630	gok
	% Moisture, Solid	23.6			0.10	0.10	1	%	134159		11/12/04 1630	gok
8260B	Volatile Organics											
	Chloromethane, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Vinyl chloride, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Bromomethane, Solid*	6.5		U	1.7	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Chloroethane, Solid*	6.5		U	1.3	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	1,1-Dichloroethene, Solid*	6.5		U	1.7	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Carbon disulfide, Solid*	6.5		U	1.6	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Acetone, Solid*	20		U	6.0	20	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Methylene chloride, Solid*	13		U	3.8	13	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	trans-1,2-Dichloroethene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	1,1-Dichloroethane, Solid*	6.5		U	1.3	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	cis-1,2-Dichloroethene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	2-Butanone (MEK), Solid*	20		U	5.1	20	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Bromochloromethane, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Chloroform, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	1,1,1-Trichloroethane, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Carbon tetrachloride, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Benzene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	1,2-Dichloroethane, Solid*	6.5		U	1.2	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Trichloroethene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	1,2-Dichloropropane, Solid*	6.5		U	1.3	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Bromodichloromethane, Solid*	6.5		U	1.3	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	cis-1,3-Dichloropropene, Solid*	6.5		U	1.2	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13		U	1.3	13	1.00000	ug/Kg	133968		11/11/04 0019	jdj
	Toluene, Solid*	6.5		U	1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj

* In Description = Dry Wgt.

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Job Number: 231833		LABORATORY TEST RESULTS						Date: 11/20/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: CBLsd-002D-DUP Date Sampled.....: 11/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 231833-9 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	
	trans-1,3-Dichloropropene, Solid*	6.5	U		1.0	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	1,1,2-Trichloroethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	Tetrachloroethane, Solid*	6.5	U		1.6	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	Dibromochloromethane, Solid*	6.5	U		1.0	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	1,2-Dibromoethane (EDB), Solid*	6.5	U		1.1	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	Chlorobenzene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	Ethylbenzene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	m&p-Xylenes, Solid*	13	U		3.0	13	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	o-Xylene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	Styrene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	Bromoform, Solid*	6.5	U		0.98	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	1,1,2,2-Tetrachloroethane, Solid*	6.5	U		1.3	6.5	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	1,2-Dichloroethane (total), Solid*	13	U		2.7	13	1.00000	ug/Kg	133968		11/11/04 0019	jdj	
	Xylenes (total), Solid*	13	U		4.5	13	1.00000	ug/Kg	133968		11/11/04 0019	jdj	

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGES				ATTN: Eric Ellis					
Customer Sample ID: CBLsd-003M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 15:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231832-13 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	56.2			0.10	0.10	1	%	134211		11/13/04 1049	daj
	% Moisture, Solid	43.8			0.10	0.10	1	%	134211		11/13/04 1049	daj
7196A	Hexavalent Chromium											
	Hexavalent Chromium, Solid*	3.0		U	0.75	3.0	1	mg/Kg	134295		11/15/04 0846	pmf

* 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 AODS				ATTN: Eric Ellis				
Customer Sample ID: CBLsd-D03M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 15:40 Sample Matrix.....: Sediment				Laboratory Sample ID: 231832-13 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	56.2			0.10	0.10	1	%	134211		11/13/04 1049	daj
	% Moisture, Solid	43.8			0.10	0.10	1	%	134211		11/13/04 1049	daj
7041	Antimony (GFAA) Antimony, Solid*	2.2		U	0.70	2.2	1	mg/Kg	134864		11/18/04 1507	daj
7841	Thallium (GFAA) Thallium, Solid*	0.64		B	0.30	0.96	1	mg/Kg	134716		11/17/04 1434	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.062			0.0077	0.029	1	mg/Kg	135393		11/23/04 1347	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			4.2	26	1	mg/Kg	135031		11/20/04 2304	lmr
	Barium, Solid*	77			0.28	1.7	1	mg/Kg	135031		11/20/04 2304	lmr
	Arsenic, Solid*	9.4			0.88	2.6	1	mg/Kg	135031		11/20/04 2304	lmr
	Beryllium, Solid*	0.76			0.076	0.69	1	mg/Kg	135031		11/20/04 2304	lmr
	Cadmium, Solid*	0.43		U	0.14	0.43	1	mg/Kg	135031		11/20/04 2304	lmr
	Calcium, Solid*	910			5.4	17	1	mg/Kg	135031		11/20/04 2304	lmr
	Chromium, Solid*	16			0.38	1.7	1	mg/Kg	135031		11/20/04 2304	lmr
	Cobalt, Solid*	9.0			0.24	0.87	1	mg/Kg	135031		11/20/04 2304	lmr
	Copper, Solid*	18			1.6	5.2	1	mg/Kg	135031		11/20/04 2304	lmr
	Iron, Solid*	21000			5.2	17	1	mg/Kg	135031		11/20/04 2304	lmr
	Magnesium, Solid*	2300			2.9	17	1	mg/Kg	135031		11/20/04 2304	lmr
	Manganese, Solid*	200			0.23	1.7	1	mg/Kg	135031		11/20/04 2304	lmr
	Nickel, Solid*	17			0.43	1.7	1	mg/Kg	135031		11/20/04 2304	lmr
	Lead, Solid*	15			0.74	2.6	1	mg/Kg	135031		11/20/04 2304	lmr
	Potassium, Solid*	1100			24	87	1	mg/Kg	135031		11/20/04 2304	lmr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 11/29/2004					
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: CBLsd-003M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 15:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231832-13 Date Received.....: 11/10/2004 Time Received.....: 09:45										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	Selenium, Solid*	1.0	B		0.69	2.6	1	mg/Kg	135031		11/20/04 2304	Lmr	
	Silver, Solid*	1.7	U		0.54	1.7	1	mg/Kg	135031		11/20/04 2304	Lmr	
	Sodium, Solid*	240	B		150	520	1	mg/Kg	135031		11/20/04 2304	Lmr	
	Vanadium, Solid*	27			0.36	1.7	1	mg/Kg	135031		11/20/04 2304	Lmr	
	Zinc, Solid*	60			0.69	3.5	1	mg/Kg	135031		11/20/04 2304	Lmr	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/02/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: CBLsd-003M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-13
 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 1618	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135895		11/19/04 1618	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135895		11/19/04 1618	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135895		11/19/04 1618	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135895		11/19/04 1618	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135895		11/19/04 1618	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135895		11/19/04 1618	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135895		11/19/04 1618	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135895		11/19/04 1618	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135895		11/19/04 1618	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135895		11/19/04 1618	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135895		11/19/04 1618	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135895		11/19/04 1618	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135895		11/19/04 1618	san

* In Description = Dry Wgt.

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Job Number: 231977		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLsd-004M-SD Date Sampled.....: 11/11/2004 Time Sampled.....: 14:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 231977-3 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	56.1			0.10	0.10	1	%	134234		11/14/04 1845	ctb
	% Solids, Solid	43.9			0.10	0.10	1	%	134234		11/14/04 1845	ctb
7196A	Hexavalent Chromium Hexavalent Chromium, Solid*	2.9		U	0.72	2.9	1	mg/Kg	134562		11/17/04 0822	pmf

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231977								Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Elits				
Customer Sample ID: CBLsd-004M-SD Date Sampled.....: 11/11/2004 Time Sampled.....: 14:45 Sample Matrix.....: Sediment						Laboratory Sample ID: 231977-3 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	56.1			0.10	0.10	1	%	134234		11/14/04 1845	clb
	% Moisture, Solid	43.9			0.10	0.10	1	%	134234		11/14/04 1845	clb
7041	Antimony (GFAA) Antimony, Solid*	2.3		U	0.74	2.3	1	mg/Kg	135006		11/19/04 2057	daj
7841	Thallium (GFAA) Thallium, Solid*	1.0		U	0.32	1.0	1	mg/Kg	135008		11/20/04 0053	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.045			0.0077	0.029	1	mg/Kg	135610		11/24/04 1407	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			4.1	25	1	mg/Kg	135536		11/24/04 1828	tds
	Barium, Solid*	82			0.27	1.7	1	mg/Kg	135536		11/24/04 1828	tds
	Arsenic, Solid*	6.4			0.87	2.5	1	mg/Kg	135536		11/24/04 1828	tds
	Beryllium, Solid*	1.2			0.075	0.68	1	mg/Kg	135536		11/24/04 1828	tds
	Cadmium, Solid*	0.42		U	0.14	0.42	1	mg/Kg	135536		11/24/04 1828	tds
	Calcium, Solid*	560			5.3	17	1	mg/Kg	135536		11/24/04 1828	tds
	Chromium, Solid*	13			0.37	1.7	1	mg/Kg	135536		11/24/04 1828	tds
	Cobalt, Solid*	2.9			0.24	0.85	1	mg/Kg	135536		11/24/04 1828	tds
	Copper, Solid*	7.8			1.5	5.1	1	mg/Kg	135536		11/24/04 1828	tds
	Iron, Solid*	15000			5.1	17	1	mg/Kg	135536		11/24/04 1828	tds
	Magnesium, Solid*	1200			2.9	17	1	mg/Kg	135536		11/24/04 1828	tds
	Manganese, Solid*	81			0.22	1.7	1	mg/Kg	135536		11/24/04 1828	tds
	Nickel, Solid*	11			0.42	1.7	1	mg/Kg	135536		11/24/04 1828	tds
	Lead, Solid*	21			0.73	2.5	1	mg/Kg	135536		11/24/04 1828	tds
	Potassium, Solid*	780			23	85	1	mg/Kg	135536		11/24/04 1828	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231977 Date: 12/03/2004

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

Customer Sample ID: CBLsd-004M-SD Laboratory Sample ID: 231977-3
 Date Sampled.....: 11/11/2004 Date Received.....: 11/13/2004
 Time Sampled.....: 14:45 Time Received.....: 09:15
 Sample Matrix.....: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.97	B		0.68	2.5	1	mg/Kg	135536		11/24/04 1828	tds
	Silver, Solid*	1.7	U		0.53	1.7	1	mg/Kg	135536		11/24/04 1828	tds
	Sodium, Solid*	350	B		150	510	1	mg/Kg	135536		11/24/04 1828	tds
	Vanadium, Solid*	24			0.36	1.7	1	mg/Kg	135536		11/24/04 1828	tds
	Zinc, Solid*	45			0.68	3.4	1	mg/Kg	135536		11/24/04 1828	tds

* In Description = Dry Wgt.

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Job Number: 231977		LABORATORY TEST RESULTS							Date: 11/29/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP TA AOCs				ATTN: Eric Ellis				
Customer Sample ID: CBLsd-004M-SD Date Sampled.....: 11/11/2004 Time Sampled.....: 14:45 Sample Matrix.....: Soil				Laboratory Sample ID: 231977-3 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
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135594		11/20/04 2343	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135594		11/20/04 2343	bdw

* In Description = Dry Wgt.

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Job Number: 231977		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: CBLsd-004M-DUP Date Sampled.....: 11/11/2004 Time Sampled.....: 14:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 231977-1 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	62.1			0.10	0.10	1	%	134234		11/14/04 1837	clb
	% Solids, Solid	37.9			0.10	0.10	1	%	134234		11/14/04 1837	clb
	% Moisture, Solid											
7196A	Hexavalent Chromium Hexavalent Chromium, Solid*	2.8		U	0.69	2.8	1	mg/Kg	134562		11/17/04 0820	pmf

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231977

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: CBLsd-004M-DUP
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231977-1
 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	62.1			0.10	0.10	1	%	134234		11/14/04 1837	clb
	% Moisture, Solid	37.9			0.10	0.10	1	%	134234		11/14/04 1837	clb
7041	Antimony (GFAA) Antimony, Solid*	2.1		U	0.66	2.1	1	mg/Kg	135006		11/19/04 2033	daj
7841	Thallium (GFAA) Thallium, Solid*	0.90		U	0.28	0.90	1	mg/Kg	135008		11/20/04 0027	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.054			0.0069	0.027	1	mg/Kg	135610		11/24/04 1402	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			3.6	23	1	mg/Kg	135536		11/24/04 1815	tds
	Barium, Solid*	96			0.24	1.5	1	mg/Kg	135536		11/24/04 1815	tds
	Arsenic, Solid*	4.4			0.77	2.3	1	mg/Kg	135536		11/24/04 1815	tds
	Beryllium, Solid*	0.80			0.067	0.61	1	mg/Kg	135536		11/24/04 1815	tds
	Cadmium, Solid*	0.38		U	0.12	0.38	1	mg/Kg	135536		11/24/04 1815	tds
	Calcium, Solid*	380			4.7	15	1	mg/Kg	135536		11/24/04 1815	tds
	Chromium, Solid*	14			0.33	1.5	1	mg/Kg	135536		11/24/04 1815	tds
	Cobalt, Solid*	3.6			0.21	0.76	1	mg/Kg	135536		11/24/04 1815	tds
	Copper, Solid*	7.0			1.4	4.5	1	mg/Kg	135536		11/24/04 1815	tds
	Iron, Solid*	11000			4.5	15	1	mg/Kg	135536		11/24/04 1815	tds
	Magnesium, Solid*	1500			2.6	15	1	mg/Kg	135536		11/24/04 1815	tds
	Manganese, Solid*	76			0.20	1.5	1	mg/Kg	135536		11/24/04 1815	tds
	Nickel, Solid*	11			0.38	1.5	1	mg/Kg	135536		11/24/04 1815	tds
	Lead, Solid*	18			0.65	2.3	1	mg/Kg	135536		11/24/04 1815	tds
	Potassium, Solid*	860			21	76	1	mg/Kg	135536		11/24/04 1815	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231977 Date: 12/03/2004

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

Customer Sample ID: CBLsd-004M-DUP
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231977-1
 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*	0.85	B		0.61	2.3	1	mg/Kg	135536		11/24/04 1815	tds
	Silver, Solid*	1.5	U		0.47	1.5	1	mg/Kg	135536		11/24/04 1815	tds
	Sodium, Solid*	310	B		130	450	1	mg/Kg	135536		11/24/04 1815	tds
	Vanadium, Solid*	25			0.32	1.5	1	mg/Kg	135536		11/24/04 1815	tds
	Zinc, Solid*	47			0.61	3.0	1	mg/Kg	135536		11/24/04 1815	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 RYAMP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: CBLsd-004M-DUP
 Date Sampled.....: 11/11/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Soil

Laboratory Sample ID: 231977-1
 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)											
	NMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135594		11/20/04 2028	bdw
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	135594		11/20/04 2028	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/23/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 MOCS

ATTN: Eric Ellis

Customer Sample ID: B12sd-023M-SD
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 11:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231757-23
 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	48.8			0.10	0.10	1	%	133528		11/08/04 1328	daj
	% Moisture, Solid	51.2			0.10	0.10	1	%	133528		11/08/04 1328	daj
7041	Antimony (GFAA) Antimony, Solid*	2.3	U		0.74	2.3	1	mg/Kg	133945		11/10/04 2302	daj
7841	Thallium (GFAA) Thallium, Solid*	1.2	U		0.39	1.2	1	mg/Kg	134375		11/12/04 1426	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.035			0.0088	0.034	1	mg/Kg	134651		11/16/04 1656	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			4.5	28	1	mg/Kg	134454		11/15/04 2011	tds
	Barium, Solid*	71			0.30	1.9	1	mg/Kg	134454		11/15/04 2011	tds
	Arsenic, Solid*	9.6			0.97	2.8	1	mg/Kg	134454		11/15/04 2011	tds
	Beryllium, Solid*	0.76			0.083	0.76	1	mg/Kg	134454		11/15/04 2011	tds
	Cadmium, Solid*	0.47	U		0.15	0.47	1	mg/Kg	134454		11/15/04 2011	tds
	Calcium, Solid*	770			5.9	19	1	mg/Kg	134454		11/15/04 2011	tds
	Chromium, Solid*	15			0.42	1.9	1	mg/Kg	134454		11/15/04 2011	tds
	Cobalt, Solid*	9.0			0.27	0.95	1	mg/Kg	134454		11/15/04 2011	tds
	Copper, Solid*	20			1.7	5.7	1	mg/Kg	134454		11/15/04 2011	tds
	Iron, Solid*	19000			5.7	19	1	mg/Kg	134454		11/15/04 2011	tds
	Magnesium, Solid*	2500			3.2	19	1	mg/Kg	134454		11/15/04 2011	tds
	Manganese, Solid*	210			0.25	1.9	1	mg/Kg	134454		11/15/04 2011	tds
	Nickel, Solid*	22			0.47	1.9	1	mg/Kg	134454		11/15/04 2011	tds
	Lead, Solid*	19			0.82	2.8	1	mg/Kg	134454		11/15/04 2011	tds
	Potassium, Solid*	1200			26	95	1	mg/Kg	134454		11/15/04 2011	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: B12sd-023M-SD Date Sampled.....: 11/05/2004 Time Sampled.....: 11:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231757-23 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	XL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.8	U		0.76	2.8	1	mg/Kg	134454		11/15/04 2011	tds
	Silver, Solid*	1.9	U		0.59	1.9	1	mg/Kg	134454		11/15/04 2011	tds
	Sodium, Solid*	290	B		160	570	1	mg/Kg	134454		11/15/04 2011	tds
	Vanadium, Solid*	19			0.40	1.9	1	mg/Kg	134454		11/15/04 2011	tds
	Zinc, Solid*	58			0.76	3.8	1	mg/Kg	134454		11/15/04 2011	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 ADCS				ATTN: Eric Ellis					
Customer Sample ID: B12sd-023M-SO Date Sampled.....: 11/05/2004 Time Sampled.....: 11:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231757-23 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	134860		11/12/04 1224	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134860		11/12/04 1224	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134860		11/12/04 1224	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134860		11/12/04 1224	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134860		11/12/04 1224	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134860		11/12/04 1224	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134860		11/12/04 1224	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134860		11/12/04 1224	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134860		11/12/04 1224	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134860		11/12/04 1224	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134860		11/12/04 1224	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134860		11/12/04 1224	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134860		11/12/04 1224	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134860		11/12/04 1224	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 RVAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: B12sd-023M-DUP Date Sampled.....: 11/05/2004 Time Sampled.....: 11:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231758-1 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	53.0			0.10	0.10	1	%	133581		11/08/04 2206	daj
	% Moisture, Solid	47.0			0.10	0.10	1	%	133581		11/08/04 2206	daj
7041	Antimony (GFAA) Antimony, Solid*	2.5		U	0.80	2.5	1	mg/Kg	134362		11/13/04 1135	daj
7841	Thallium (GFAA) Thallium, Solid*	1.1		U	0.34	1.1	1	mg/Kg	134375		11/13/04 0817	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.085			0.0081	0.031	1	mg/Kg	134658		11/17/04 1122	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			4.3	27	1	mg/Kg	134566		11/16/04 1558	tds
	Barium, Solid*	70			0.29	1.8	1	mg/Kg	134566		11/16/04 1558	tds
	Arsenic, Solid*	11			0.92	2.7	1	mg/Kg	134566		11/16/04 1558	tds
	Beryllium, Solid*	0.80			0.079	0.72	1	mg/Kg	134566		11/16/04 1558	tds
	Cadmium, Solid*	0.45		U	0.14	0.45	1	mg/Kg	134566		11/16/04 1558	tds
	Calcium, Solid*	570			5.6	18	1	mg/Kg	134566		11/16/04 1558	tds
	Chromium, Solid*	17			0.40	1.8	1	mg/Kg	134566		11/16/04 1558	tds
	Cobalt, Solid*	11			0.25	0.90	1	mg/Kg	134566		11/16/04 1558	tds
	Copper, Solid*	20			1.6	5.4	1	mg/Kg	134566		11/16/04 1558	tds
	Iron, Solid*	21000			5.4	18	1	mg/Kg	134566		11/16/04 1558	tds
	Magnesium, Solid*	2900			3.1	18	1	mg/Kg	134566		11/16/04 1558	tds
	Manganese, Solid*	210			0.23	1.8	1	mg/Kg	134566		11/16/04 1558	tds
	Nickel, Solid*	24			0.45	1.8	1	mg/Kg	134566		11/16/04 1558	tds
	Lead, Solid*	18			0.77	2.7	1	mg/Kg	134566		11/16/04 1558	tds
	Potassium, Solid*	1800			25	90	1	mg/Kg	134566		11/16/04 1558	tds

* In Description = Dry Wgt.

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Job Number: 231758		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: HKR Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: B12sd-023M-DUP Date Sampled.....: 11/05/2004 Time Sampled.....: 11:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231758-1 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*	2.7	U		0.72	2.7	1					
	Silver, Solid*	1.8	U		0.56	1.8	1	mg/Kg	134566		11/16/04 1558	tds
	Sodium, Solid*	370	B		160	540	1	mg/Kg	134566		11/16/04 1558	tds
	Vanadium, Solid*	19			0.38	1.8	1	mg/Kg	134566		11/16/04 1558	tds
	Zinc, Solid*	59			0.72	3.6	1	mg/Kg	134566		11/16/04 1558	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: B12sd-023M-DUP Date Sampled.....: 11/05/2004 Time Sampled.....: 11:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231758-1 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		11/12/04 1835	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135135		11/12/04 1835	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135135		11/12/04 1835	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135135		11/12/04 1835	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135135		11/12/04 1835	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135135		11/12/04 1835	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135135		11/12/04 1835	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135135		11/12/04 1835	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135135		11/12/04 1835	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135135		11/12/04 1835	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135135		11/12/04 1835	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135135		11/12/04 1835	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135135		11/12/04 1835	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135135		11/12/04 1835	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP TA AOCs

ATTN: Eric Ellis

Customer Sample ID: B12sd-024M-SD
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231757-9
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	RT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	28.3			0.10	0.10	1	%	133528		11/08/04 1258	daj
	% Moisture, Solid	71.7			0.10	0.10	1	%	133528		11/08/04 1258	daj
7041	Antimony (GFAA) Antimony, Solid*	3.7		U	1.2	3.7	1	mg/Kg	133945		11/10/04 1953	daj
7841	Thallium (GFAA) Thallium, Solid*	1.6		U	0.50	1.6	1	mg/Kg	134116		11/12/04 0441	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.20			0.015	0.058	1	mg/Kg	134651		11/16/04 1607	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			5.4	34	1	mg/Kg	134454		11/15/04 1801	tds
	Barium, Solid*	120			0.36	2.3	1	mg/Kg	134454		11/15/04 1801	tds
	Arsenic, Solid*	8.0			1.2	3.4	1	mg/Kg	134454		11/15/04 1801	tds
	Beryllium, Solid*	0.86		B	0.099	0.90	1	mg/Kg	134454		11/15/04 1801	tds
	Cadmium, Solid*	0.19		B	0.18	0.57	1	mg/Kg	134454		11/15/04 1801	tds
	Calcium, Solid*	2700			7.0	23	1	mg/Kg	134454		11/15/04 1801	tds
	Chromium, Solid*	18			0.50	2.3	1	mg/Kg	134454		11/15/04 1801	tds
	Cobalt, Solid*	8.5			0.32	1.1	1	mg/Kg	134454		11/15/04 1801	tds
	Copper, Solid*	18			2.0	6.8	1	mg/Kg	134454		11/15/04 1801	tds
	Iron, Solid*	23000			6.8	23	1	mg/Kg	134454		11/15/04 1801	tds
	Magnesium, Solid*	2200			3.8	23	1	mg/Kg	134454		11/15/04 1801	tds
	Manganese, Solid*	390			0.29	2.3	1	mg/Kg	134454		11/15/04 1801	tds
	Nickel, Solid*	22			0.57	2.3	1	mg/Kg	134454		11/15/04 1801	tds
	Lead, Solid*	22			0.97	3.4	1	mg/Kg	134454		11/15/04 1801	tds
	Potassium, Solid*	1200			31	110	1	mg/Kg	134454		11/15/04 1801	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RWAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: B12sd-024M-SD			Laboratory Sample ID: 231757-9									
Date Sampled.....: 11/05/2004			Date Received.....: 11/06/2004									
Time Sampled.....: 10:20			Time Received.....: 11:00									
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	0.98	B		0.90	3.4	1	mg/Kg	134454		11/15/04 1801	tds
	Silver, Solid*	2.3	U		0.70	2.3	1	mg/Kg	134454		11/15/04 1801	tds
	Sodium, Solid*	290	B		200	680	1	mg/Kg	134454		11/15/04 1801	tds
	Vanadium, Solid*	26			0.47	2.3	1	mg/Kg	134454		11/15/04 1801	tds
	Zinc, Solid*	110			0.90	4.5	1	mg/Kg	134454		11/15/04 1801	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: HGM Engineers, Inc.			PROJECT: USACE RVRAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: B12sd-024M-SD Date Sampled.....: 11/05/2004 Time Sampled.....: 10:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 231757-9 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*	5.7	U		0.54	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	beta-BHC, 3541 Solid*	5.7	U		0.51	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	delta-BHC, 3541 Solid*	5.7	U		0.37	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	gamma-BHC (Lindane), 3541 Solid*	13			0.78	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Heptachlor, 3541 Solid*	5.7	U		0.61	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Aldrin, 3541 Solid*	5.7	U		0.44	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Heptachlor epoxide, 3541 Solid*	5.7	U		0.47	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Endosulfan I, 3541 Solid*	5.7	U		0.91	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Dieldrin, 3541 Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	4,4'-DDE, 3541 Solid*	6.7	U		2.2	6.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Endrin, 3541 Solid*	5.7	U		1.4	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Endosulfan II, 3541 Solid*	5.7	U		0.94	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	4,4'-DDD, 3541 Solid*	5.7	U		1.2	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Endosulfan sulfate, 3541 Solid*	5.7	U		0.98	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	4,4'-DDT, 3541 Solid*	5.7	U		1.2	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Methoxychlor, 3541 Solid*	28	U		7.8	28	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	alpha-Chlordane, 3541 Solid*	5.7	U		0.40	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	gamma-Chlordane, 3541 Solid*	5.7	U		0.51	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Endrin aldehyde, 3541 Solid*	5.7	U		1.1	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
	Endrin ketone, 3541 Solid*	5.7	U		0.98	5.7	1.00000	ug/Kg	135867		11/24/04 1826	kdl
Toxaphene, 3541 Solid*	56	U		16	56	1.00000	ug/Kg	135867		11/24/04 1826	kdl	
Method	% Solids Determination											
	% Solids, Solid	28.3			0.10	0.10	1	%	133528		11/08/04 1258	daj
	% Moisture, Solid	71.7			0.10	0.10	1	%	133528		11/08/04 1258	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231757				Date: 12/01/2004								
CUSTOMER: HOK Engineers, Inc.				PROJECT: USACE RVAMP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: B12sd-024M-SD Date Sampled.....: 11/05/2004 Time Sampled.....: 10:20 Sample Matrix.....: Sediment						Laboratory Sample ID: 231757-9 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
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	110		U	30	110	1.00000	ug/Kg	135616		11/23/04 1306	bjt
	Aroclor 1221, 3541 Solid*	110		U	16	110	1.00000	ug/Kg	135616		11/23/04 1306	bjt
	Aroclor 1232, 3541 Solid*	56		U	15	56	1.00000	ug/Kg	135616		11/23/04 1306	bjt
	Aroclor 1242, 3541 Solid*	110		U	17	110	1.00000	ug/Kg	135616		11/23/04 1306	bjt
	Aroclor 1248, 3541 Solid*	56		U	12	56	1.00000	ug/Kg	135616		11/23/04 1306	bjt
	Aroclor 1254, 3541 Solid*	110		U	15	110	1.00000	ug/Kg	135616		11/23/04 1306	bjt
	Aroclor 1260, 3541 Solid*	110		U	43	110	1.00000	ug/Kg	135616		11/23/04 1306	bjt
Method	% Solids Determination											
	% Solids, Solid	28.3			0.10	0.10	1	%	133528		11/08/04 1258	daj
	% Moisture, Solid	71.7			0.10	0.10	1	%	133528		11/08/04 1258	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAKP 1A AOCs

ATTN: Eric Ellis

Customer Sample ID: B12sd-0240-SD
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231757-3
 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	35.6			0.10	0.10	1	%	133528		11/08/04 1247	daj
	% Moisture, Solid	64.4			0.10	0.10	1	%	133528		11/08/04 1247	daj
8260B	Volatile Organics											
	Chloromethane, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Vinyl chloride, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Bromomethane, Solid*	14	U		3.7	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Chloroethane, Solid*	14	U		2.8	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,1-Dichloroethene, Solid*	14	U		3.7	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Carbon disulfide, Solid*	14	U		3.4	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Acetone, Solid*	84			13	42	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Methylene chloride, Solid*	28	U		8.1	28	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	trans-1,2-Dichloroethene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,1-Dichloroethane, Solid*	14	U		2.8	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	cis-1,2-Dichloroethene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	2-Butanone (MEK), Solid*	19	J		11	42	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Bromochloromethane, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Chloroform, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,1,1-Trichloroethane, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Carbon tetrachloride, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Benzene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,2-Dichloroethane, Solid*	14	U		2.6	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Trichloroethene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,2-Dichloropropane, Solid*	14	U		2.8	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Bromodichloromethane, Solid*	14	U		2.7	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	cis-1,3-Dichloropropene, Solid*	14	U		2.6	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	28	U		2.8	28	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Toluene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Elize					
Customer Sample ID: B12sd-024D-SD Date Sampled.....: 11/05/2004 Time Sampled.....: 10:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 231757-3 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
	trans-1,3-Dichloropropene, Solid*	14	U		2.2	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,1,2-Trichloroethane, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Tetrachloroethene, Solid*	14	U		3.4	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	2-Hexanone, Solid*	28	U		3.1	28	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Dibromochloromethane, Solid*	14	U		2.2	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,2-Dibromoethane (EDB), Solid*	14	U		2.3	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Chlorobenzene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Ethylbenzene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	m&p-Xylenes, Solid*	28	U		6.5	28	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	o-Xylene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Styrene, Solid*	14	U		3.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Bromoform, Solid*	14	U		2.1	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,1,2,2-Tetrachloroethane, Solid*	14	U		2.7	14	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	1,2-Dichloroethene (total), Solid*	28	U		5.9	28	1.00000	ug/Kg	133968		11/10/04 1805	jdj
	Xylenes (total), Solid*	28	U		9.6	28	1.00000	ug/Kg	133968		11/10/04 1805	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 RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: B12sd-024M-SD
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231757-9
 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
8270C	Semivolatle Organics											
	Phenol, 3541 Low Solid*	2200		U	95	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	890		U	120	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	2200		U	180	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	2200		U	200	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	2200		U	190	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Benzyl alcohol, 3541 Low Solid*	8900		U	980	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	890		U	140	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	2200		U	210	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	890		U	180	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Hexachloroethane, 3541 Low Solid*	2200		U	110	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	890		U	160	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2-Chlorophenol, 3541 Low Solid*	2200		U	180	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Nitrobenzene, 3541 Low Solid*	440		U	110	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	890		U	120	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	2200		U	180	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Benzoic acid, 3541 Low Solid*	8900		U	2600	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Isophorone, 3541 Low Solid*	2200		U	260	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,4-Dimethylphenol, 3541 Low Solid*	4400		U	220	4400	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Hexachlorobutadiene, 3541 Low Solid*	2200		U	120	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Naphthalene, 3541 Low Solid*	440		U	110	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,4-Dichlorophenol, 3541 Low Solid*	4400		U	210	4400	1.00000	ug/Kg	135735		11/27/04 2304	glr
	4-Chloroaniline, 3541 Low Solid*	8900		U	720	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,4,6-Trichlorophenol, 3541 Low Solid*	2200		U	500	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,4,5-Trichlorophenol, 3541 Low Solid*	4400		U	600	4400	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Hexachlorocyclopentadiene, 3541 Low Solid*	13000		U	4100	13000	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2-Methylnaphthalene, 3541 Low Solid*	440		U	130	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2-Nitroaniline, 3541 Low Solid*	2200		U	140	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2-Chloronaphthalene, 3541 Low Solid*	2200		U	210	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/30/2004

CUSTOMER: HOK Engineers, Inc.

PROJECT: USACE RYAP 14 AOCs

ATTN: Eric Eilts

Customer Sample ID: B12sd-024M-SD
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231757-9
 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*	4400		U	460	4400	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	440		U	120	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2-Nitrophenol, 3541 Low Solid*	4400		U	200	4400	1.00000	ug/Kg	135735		11/27/04 2304	glr
	3-Nitroaniline, 3541 Low Solid*	8900		U	1800	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Dimethyl phthalate, 3541 Low Solid*	890		U	120	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,4-Dinitrophenol, 3541 Low Solid*	8900		U	1400	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Acenaphthylene, 3541 Low Solid*	440		U	110	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	440		U	140	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Acenaphthene, 3541 Low Solid*	440		U	110	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Dibenzofuran, 3541 Low Solid*	890		U	120	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	4-Nitrophenol, 3541 Low Solid*	8900		U	2800	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Fluorene, 3541 Low Solid*	440		U	120	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	4-Nitroaniline, 3541 Low Solid*	8900		U	600	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	4-Bromophenyl phenyl ether, 3541 Low Solid*	2200		U	130	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Hexachlorobenzene, 3541 Low Solid*	440		U	130	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Diethyl phthalate, 3541 Low Solid*	890		U	130	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	2200		U	130	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Pentachlorophenol, 3541 Low Solid*	4400		U	1500	4400	1.00000	ug/Kg	135735		11/27/04 2304	glr
	n-Nitrosodiphenylamine, 3541 Low Solid*	440		U	140	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	8900		U	2300	8900	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Phenanthrene, 3541 Low Solid*	670		U	200	670	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Anthracene, 3541 Low Solid*	440		U	150	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Carbazole, 3541 Low Solid*	2200		U	160	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Di-n-butyl phthalate, 3541 Low Solid*	2200		U	150	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Fluoranthene, 3541 Low Solid*	440		U	140	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Pyrene, 3541 Low Solid*	670		U	160	670	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Butyl benzyl phthalate, 3541 Low Solid*	890		U	140	890	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Benzo(a)anthracene, 3541 Low Solid*	440		U	130	440	1.00000	ug/Kg	135735		11/27/04 2304	glr
	Chrysene, 3541 Low Solid*	440		U	140	440	1.00000	ug/Kg	135735		11/27/04 2304	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 1& AGCS				ATTN: Eric Ellis						
Customer Sample ID: B12sd-024M-SD Date Sampled.....: 11/05/2004 Time Sampled.....: 10:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 231757-9 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*	2200		U	200	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr	
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	2200		U	430	2200	1.00000	ug/Kg	135735		11/27/04 2304	glr	
	Di-n-octyl phthalate, 3541 Low Solid*	4400		U	140	4400	1.00000	ug/Kg	135735		11/27/04 2304	glr	
	Benzo(b)fluoranthene, 3541 Low Solid*	140		J	a	120	440	1.00000	ug/Kg	135735	11/27/04 2304	glr	
	Benzo(k)fluoranthene, 3541 Low Solid*	440		U	130	440	1.00000	ug/Kg	135735		11/27/04 2304	glr	
	Benzo(a)pyrene, 3541 Low Solid*	440		U	130	440	1.00000	ug/Kg	135735		11/27/04 2304	glr	
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	440		U	140	440	1.00000	ug/Kg	135735		11/27/04 2304	glr	
	Dibenzo(a,h)anthracene, 3541 Low Solid*	440		U	130	440	1.00000	ug/Kg	135735		11/27/04 2304	glr	
	Benzo(ghi)perylene, 3541 Low Solid*	160		J	a	150	440	1.00000	ug/Kg	135735	11/27/04 2304	glr	
Method	% Solids Determination												
	% Solids, Solid	28.3			0.10	0.10	1	%	133528		11/08/04 1258	daj	
	% Moisture, Solid	71.7			0.10	0.10	1	%	133528		11/08/04 1258	daj	

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: B12sd-024M-SD Date Sampled.....: 11/05/2004 Time Sampled.....: 10:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 231757-9 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	134860		11/12/04 0311	san
	RDX, Solid	1.0		U	0.31	1.0	5.00000	mg/Kg	134860		11/12/04 0311	san
	1,3,5-Trinitrobenzene, Solid	0.50		U	0.16	0.50	5.00000	mg/Kg	134860		11/12/04 0311	san
	1,3-Dinitrobenzene, Solid	0.50		U	0.12	0.50	5.00000	mg/Kg	134860		11/12/04 0311	san
	Nitrobenzene, Solid	0.50		U	0.11	0.50	5.00000	mg/Kg	134860		11/12/04 0311	san
	2,4,6-TNT, Solid	0.50		U	0.12	0.50	5.00000	mg/Kg	134860		11/12/04 0311	san
	Tetryl, Solid	2.0		U	0.61	2.0	5.00000	mg/Kg	134860		11/12/04 0311	san
	2,4-Dinitrotoluene, Solid	0.50		U	0.13	0.50	5.00000	mg/Kg	134860		11/12/04 0311	san
	2,6-Dinitrotoluene, Solid	1.0		U	0.24	1.0	5.00000	mg/Kg	134860		11/12/04 0311	san
	2-Amino-4,6-Dinitrotoluene, Solid	1.0		U	0.23	1.0	5.00000	mg/Kg	134860		11/12/04 0311	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5		U	0.47	1.5	5.00000	mg/Kg	134860		11/12/04 0311	san
	2-Nitrotoluene, Solid	1.0		U	0.24	1.0	5.00000	mg/Kg	134860		11/12/04 0311	san
	4-Nitrotoluene, Solid	1.0		U	0.25	1.0	5.00000	mg/Kg	134860		11/12/04 0311	san
	3-Nitrotoluene, Solid	1.0		U	0.27	1.0	5.00000	mg/Kg	134860		11/12/04 0311	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50		U	a	0.12	0.50	1.00000	mg/Kg	134899		11/16/04 0011	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: B12sd-024M-SD

Trace Level Organic Compounds

Lot-Sample #...: G4K060194-005 Work Order #...: GWFAH1AA Matrix.....: SOLID
Date Sampled...: 11/05/04 10:20 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/HPLC per

STL CHICAGO

Client Sample ID: B12sd-024M-SD

General Chemistry

Lot-Sample #...: G4K060194-005

Work Order #...: GWFAH

Matrix.....: SOLID

Date Sampled...: 11/05/04

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	MCAWW 353.2	11/09-11/12/04	4314547
		MDL.....: 0.57				

NOTE(S) :

RL Reporting Limit

B Estimated result, Result is less than RL.

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/18/2004

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

Customer Sample ID: LNWsd-043M-SD Laboratory Sample ID: 231657-21
 Date Sampled.....: 11/03/2004 Date Received.....: 11/04/2004
 Time Sampled.....: 10:05 Time Received.....: 09:10
 Sample Matrix.....: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	42.1		0.10	0.10	1	%	133225		11/04/04 2339	clb
	% Moisture, Solid	57.9		0.10	0.10	1	%	133225		11/04/04 2339	clb
7041	Antimony (GFAA) Antimony, Solid*	2.5	U	0.80	2.5	1	mg/Kg	133945		11/10/04 1913	daj
7841	Thallium (GFAA) Thallium, Solid*	1.1	U	0.34	1.1	1	mg/Kg	134375		11/13/04 0739	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.038	B	0.010	0.039	1	mg/Kg	134643		11/16/04 1511	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	9900		5.2	33	1	mg/Kg	134280		11/13/04 1739	tds
	Barium, Solid*	80		0.35	2.2	1	mg/Kg	134280		11/13/04 1739	tds
	Arsenic, Solid*	7.8		1.1	3.3	1	mg/Kg	134280		11/13/04 1739	tds
	Beryllium, Solid*	0.70	B	0.096	0.87	1	mg/Kg	134280		11/13/04 1739	tds
	Cadmium, Solid*	0.54	U	0.17	0.54	1	mg/Kg	134280		11/13/04 1739	tds
	Calcium, Solid*	2100		6.8	22	1	mg/Kg	134280		11/13/04 1739	tds
	Chromium, Solid*	13		0.48	2.2	1	mg/Kg	134280		11/13/04 1739	tds
	Cobalt, Solid*	8.6		0.31	1.1	1	mg/Kg	134280		11/13/04 1739	tds
	Copper, Solid*	15		2.0	6.5	1	mg/Kg	134280		11/13/04 1739	tds
	Iron, Solid*	20000		6.5	22	1	mg/Kg	134280		11/13/04 1739	tds
	Magnesium, Solid*	2400		3.7	22	1	mg/Kg	134280		11/13/04 1739	tds
	Manganese, Solid*	600		0.28	2.2	1	mg/Kg	134280		11/13/04 1739	tds
	Nickel, Solid*	19		0.54	2.2	1	mg/Kg	134280		11/13/04 1739	tds
	Lead, Solid*	15		0.94	3.3	1	mg/Kg	134280		11/13/04 1739	tds
	Potassium, Solid*	1300		30	110	1	mg/Kg	134280		11/13/04 1739	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											Date: 11/18/2004	
Job Number: 231657				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
CUSTOMER: MCM Engineers, Inc.												
Customer Sample ID: LNWsd-043M-S0						Laboratory Sample ID: 231657-21						
Date Sampled.....: 11/03/2004						Date Received.....: 11/04/2004						
Time Sampled.....: 10:05						Time Received.....: 09:10						
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	3.3	U		0.87	3.3	1	mg/Kg	134280		11/13/04 1739	tds
	Silver, Solid*	2.2	U		0.68	2.2	1	mg/Kg	134280		11/13/04 1739	tds
	Sodium, Solid*	280	B		190	650	1	mg/Kg	134280		11/13/04 1739	tds
	Vanadium, Solid*	18			0.46	2.2	1	mg/Kg	134280		11/13/04 1739	tds
	Zinc, Solid*	85			0.87	4.4	1	mg/Kg	134280		11/13/04 1739	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/19/2004

Job Number: 231657

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elks

Customer Sample ID: LNwsd-043M-SD
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-21
 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
8270C	Semivolatile Organics	380	U		16	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Phenol, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	380	U		31	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	380	U		35	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	380	U		32	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	1500	U		170	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Benzyl alcohol, 3541 Low Solid*	150	U		24	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	380	U		36	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	150	U		30	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	380	U		20	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Hexachloroethane, 3541 Low Solid*	150	U		27	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	380	U		31	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2-Chlorophenol, 3541 Low Solid*	75	U		20	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Nitrobenzene, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	380	U		31	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	1500	U	*	450	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Benzoic acid, 3541 Low Solid*	380	U		45	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Isophorone, 3541 Low Solid*	750	U		37	750	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	380	U		21	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Hexachlorobutadiene, 3541 Low Solid*	75	U		19	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Naphthalene, 3541 Low Solid*	750	U		35	750	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	1500	U		120	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	4-Chloroaniline, 3541 Low Solid*	380	U		86	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	750	U		100	750	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	2300	U		700	2300	1.00000	ug/Kg	134462		11/16/04 1927	dpk
Hexachlorocyclopentadiene, 3541 Low Solid*	75	U		23	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk	
2-Methylnaphthalene, 3541 Low Solid*	380	U		25	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk	
2-Nitroaniline, 3541 Low Solid*	380	U		36	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk	
2-Chloronaphthalene, 3541 Low Solid*		U										

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/19/2004

Job Number: 231657

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: INWsd-043M-SD
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-21
 Date Received.....: 11/04/2004
 Time Received.....: 09:10

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*	750	U		79	750	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	75	U		21	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2-Nitrophenol, 3541 Low Solid*	750	U		34	750	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	3-Nitroaniline, 3541 Low Solid*	1500	U		320	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Dimethyl phthalate, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	1500	U		240	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Acenaphthylene, 3541 Low Solid*	75	U		19	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	75	U		24	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Acenaphthene, 3541 Low Solid*	75	U		19	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Dibenzofuran, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	4-Nitrophenol, 3541 Low Solid*	1500	U		480	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Fluorene, 3541 Low Solid*	75	U		21	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	4-Nitroaniline, 3541 Low Solid*	1500	U		100	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	380	U		23	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Hexachlorobenzene, 3541 Low Solid*	75	U		22	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Diethyl phthalate, 3541 Low Solid*	150	U		22	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	380	U		23	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Pentachlorophenol, 3541 Low Solid*	750	U		250	750	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	75	U		24	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	1500	U		390	1500	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Phenanthrene, 3541 Low Solid*	110	U		35	110	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Anthracene, 3541 Low Solid*	75	U		25	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Carbazole, 3541 Low Solid*	380	U		27	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	380	U		26	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Fluoranthene, 3541 Low Solid*	44	J		24	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Pyrene, 3541 Low Solid*	43	J		27	110	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	150	J		24	150	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Benzo(a)anthracene, 3541 Low Solid*	27	J		23	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Chrysene, 3541 Low Solid*	41	J		24	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657						Date: 11/19/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: LNWsd-043M-SD Date Sampled.....: 11/03/2004 Time Sampled.....: 10:05 Sample Matrix.....: Sediment						Laboratory Sample ID: 231657-21 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
	3,3-Dichlorobenzidine, 3541 Low Solid*	380		U	34	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	380		U	73	380	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	750		U	24	750	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	37		J	20	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	25		J	22	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Benzo(a)pyrene, 3541 Low Solid*	25		J	22	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	75		U	23	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	75		U	22	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	75		U	25	75	1.00000	ug/Kg	134462		11/16/04 1927	dpk
Method	% Solids Determination											
	% Solids, Solid	42.1			0.10	0.10	1	%	133225		11/04/04 2339	clb
	% Moisture, Solid	57.9			0.10	0.10	1	%	133225		11/04/04 2339	clb

* 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 ADCS

ATTN: Eric Ellis

Customer Sample ID: LNWsd-043M-SD
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-21
 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	134712		11/11/04 0136	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134712		11/11/04 0136	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134712		11/11/04 0136	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134712		11/11/04 0136	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134712		11/11/04 0136	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134712		11/11/04 0136	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134712		11/11/04 0136	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134712		11/11/04 0136	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134712		11/11/04 0136	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134712		11/11/04 0136	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134712		11/11/04 0136	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134712		11/11/04 0136	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134712		11/11/04 0136	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134712		11/11/04 0136	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/18/2004

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

Customer Sample ID: LNWsd-044M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-17
 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	43.8			0.10	0.10	1	%	133225		11/04/04 2328	clb
	% Solids, Solid	56.2			0.10	0.10	1	%	133225		11/04/04 2328	clb
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	2.3		U	0.72	2.3	1	mg/Kg	133945		11/10/04 1822	daj
7841	Thallium (GFAA) Thallium, Solid*	0.98		U	0.31	0.98	1	mg/Kg	134375		11/13/04 0635	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.038			0.0098	0.038	1	mg/Kg	134643		11/16/04 1502	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	7400			4.9	30	1	mg/Kg	134280		11/13/04 1650	tds
	Barium, Solid*	62			0.32	2.0	1	mg/Kg	134280		11/13/04 1650	tds
	Arsenic, Solid*	6.4			1.0	3.0	1	mg/Kg	134280		11/13/04 1650	tds
	Beryllium, Solid*	0.58		B	0.089	0.81	1	mg/Kg	134280		11/13/04 1650	tds
	Cadmium, Solid*	0.34		B	0.16	0.51	1	mg/Kg	134280		11/13/04 1650	tds
	Calcium, Solid*	1900			6.3	20	1	mg/Kg	134280		11/13/04 1650	tds
	Chromium, Solid*	10			0.45	2.0	1	mg/Kg	134280		11/13/04 1650	tds
	Cobalt, Solid*	6.9			0.28	1.0	1	mg/Kg	134280		11/13/04 1650	tds
	Copper, Solid*	12			1.8	6.1	1	mg/Kg	134280		11/13/04 1650	tds
	Iron, Solid*	16000			6.1	20	1	mg/Kg	134280		11/13/04 1650	tds
	Magnesium, Solid*	1700			3.4	20	1	mg/Kg	134280		11/13/04 1650	tds
	Manganese, Solid*	470			0.26	2.0	1	mg/Kg	134280		11/13/04 1650	tds
	Nickel, Solid*	14			0.51	2.0	1	mg/Kg	134280		11/13/04 1650	tds
Lead, Solid*	15			0.87	3.0	1	mg/Kg	134280		11/13/04 1650	tds	
Potassium, Solid*	930			28	100	1	mg/Kg	134280		11/13/04 1650	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											Date: 11/18/2004	
Job Number: 231657				PROJECT: USACE RYAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: LNWsd-044M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 15:00 Sample Matrix.....: Sediment						Laboratory Sample ID: 231657-17 Date Received.....: 11/04/2004 Time Received.....: 09:10						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
	Selenium, Solid*	3.0		U	0.81	3.0	1	mg/Kg	134280		11/13/04 1650	tds
	Silver, Solid*	2.0		U	0.63	2.0	1	mg/Kg	134280		11/13/04 1650	tds
	Sodium, Solid*	240		B	180	610	1	mg/Kg	134280		11/13/04 1650	tds
	Vanadium, Solid*	15			0.43	2.0	1	mg/Kg	134280		11/13/04 1650	tds
	Zinc, Solid*	71			0.81	4.1	1	mg/Kg	134280		11/13/04 1650	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657						Date: 11/28/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: LNWsd-044M-SD Date Sampled: 11/02/2004 Time Sampled: 15:00 Sample Matrix: Sediment						Laboratory Sample ID: 231657-17 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	3.7	U		0.35	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	beta-BHC, 3541 Solid*	3.7	U		0.33	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	delta-BHC, 3541 Solid*	3.7	U		0.24	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	gamma-BHC (Lindane), 3541 Solid*	3.7	U		0.51	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Heptachlor, 3541 Solid*	3.7	U		0.40	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Aldrin, 3541 Solid*	3.7	U		0.29	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Heptachlor epoxide, 3541 Solid*	3.7	U		0.31	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Endosulfan I, 3541 Solid*	3.7	U		0.59	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Dieldrin, 3541 Solid*	3.7	U		0.75	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	4,4'-DDE, 3541 Solid*	4.4	U		1.4	4.4	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Endrin, 3541 Solid*	3.7	U		0.94	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Endosulfan II, 3541 Solid*	3.7	U		0.61	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	4,4'-DDD, 3541 Solid*	3.7	U		0.79	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Endosulfan sulfate, 3541 Solid*	3.7	U		0.64	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	4,4'-DDT, 3541 Solid*	3.7	U		0.81	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Methoxychlor, 3541 Solid*	18	U		5.1	18	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	alpha-Chlordane, 3541 Solid*	3.7	U		0.26	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	gamma-Chlordane, 3541 Solid*	3.7	U		0.33	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Endrin aldehyde, 3541 Solid*	3.7	U		0.72	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
	Endrin ketone, 3541 Solid*	3.7	U		0.64	3.7	1.00000	ug/Kg	135505		11/24/04 1414	pjg
Toxaphene, 3541 Solid*	37	U		10	37	1.00000	ug/Kg	135505		11/24/04 1414	pjg	
Method	% Solids Determination											
	% Solids, Solid	43.8			0.10	0.10	1	%	133225		11/04/04 2328	clb
	% Moisture, Solid	56.2			0.10	0.10	1	%	133225		11/04/04 2328	clb

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LNWsd-044M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 15:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 231657-17 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
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	72	U		20	72	1.00000	ug/Kg	135460		11/23/04 0859	bjt
	Aroclor 1221, 3541 Solid*	72	U		10	72	1.00000	ug/Kg	135460		11/23/04 0859	bjt
	Aroclor 1232, 3541 Solid*	37	U		9.9	37	1.00000	ug/Kg	135460		11/23/04 0859	bjt
	Aroclor 1242, 3541 Solid*	72	U		11	72	1.00000	ug/Kg	135460		11/23/04 0859	bjt
	Aroclor 1248, 3541 Solid*	37	U		8.1	37	1.00000	ug/Kg	135460		11/23/04 0859	bjt
	Aroclor 1254, 3541 Solid*	72	U		9.9	72	1.00000	ug/Kg	135460		11/23/04 0859	bjt
	Aroclor 1260, 3541 Solid*	72	U		28	72	1.00000	ug/Kg	135460		11/23/04 0859	bjt
Method	% Solids Determination											
	% Solids, Solid	43.8			0.10	0.10	1	%	133225		11/04/04 2328	clb
	% Moisture, Solid	56.2			0.10	0.10	1	%	133225		11/04/04 2328	clb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 231657								Date: 11/18/2004			
CUSTOMER: MKK Engineers, Inc.				PROJECT: USAGE RVAAP 14 ADCS				ATTN: Eric Ellis			
Customer Sample ID: LNWsd-044D-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 15:10 Sample Matrix.....: Sediment				Laboratory Sample ID: 231657-10 Date Received.....: 11/04/2004 Time Received.....: 09:10							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	73.2		0.10	0.10	1	%	133225		11/04/04 2308	clb
	% Moisture, Solid	26.8		0.10	0.10	1	%	133225		11/04/04 2308	clb
82608	Volatile Organics										
	Chloromethane, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Vinyl chloride, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Bromomethane, Solid*	6.8	U	1.8	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Chloroethane, Solid*	6.8	U	1.4	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,1-Dichloroethane, Solid*	6.8	U	1.8	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Carbon disulfide, Solid*	6.8	U	1.6	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Acetone, Solid*	20	U	6.3	20	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Methylene chloride, Solid*	14	U	4.0	14	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	trans-1,2-Dichloroethene, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,1-Dichloroethane, Solid*	6.8	U	1.4	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	cis-1,2-Dichloroethene, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	2-Butanone (MEK), Solid*	20	U	5.3	20	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Bromochloromethane, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Chloroform, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,1,1-Trichloroethane, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Carbon tetrachloride, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Benzene, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,2-Dichloroethane, Solid*	6.8	U	1.3	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Trichloroethene, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,2-Dichloropropane, Solid*	6.8	U	1.4	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Bromodichloromethane, Solid*	6.8	U	1.3	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	cis-1,3-Dichloropropene, Solid*	6.8	U	1.3	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	14	U	1.4	14	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Toluene, Solid*	6.8	U	1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MCH Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LNWSd-044D-SD			Laboratory Sample ID: 231657-10									
Date Sampled.....: 11/02/2004			Date Received.....: 11/04/2004									
Time Sampled.....: 15:10			Time Received.....: 09:10									
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,1,2-Trichloroethane, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Tetrachloroethene, Solid*	6.8	U		1.6	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	2-Hexanone, Solid*	14	U		1.5	14	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Dibromochloromethane, Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,2-Dibromoethane (EDB), Solid*	6.8	U		1.1	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Chlorobenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Ethylbenzene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	m&p-Xylenes, Solid*	14	U		3.1	14	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	o-Xylene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Styrene, Solid*	6.8	U		1.5	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Bromoform, Solid*	6.8	U		1.0	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.8	U		1.3	6.8	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	1,2-Dichloroethene (total), Solid*	14	U		2.9	14	1.00000	ug/Kg	133782		11/09/04 2315	jdj
	Xylenes (total), Solid*	14	U		4.6	14	1.00000	ug/Kg	133782		11/09/04 2315	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/22/2004

Job Number: 231657

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAMP TA AGCS

ATTN: Eric Ellis

Customer Sample ID: LNWsd-044M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-17
 Date Received.....: 11/04/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics	360	U		15	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Phenol, 3541 Low Solid*	140	U		19	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	360	U		29	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	360	U		33	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	360	U		30	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	1400	U		160	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Benzyl alcohol, 3541 Low Solid*	140	U		22	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	360	U		34	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	140	U		28	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	360	U		18	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Hexachloroethane, 3541 Low Solid*	140	U		25	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	360	U		29	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2-Chlorophenol, 3541 Low Solid*	71	U		18	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Nitrobenzene, 3541 Low Solid*	140	U		19	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	360	U		29	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	1400	U	*	420	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Benzoic acid, 3541 Low Solid*	360	U		42	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Isophorone, 3541 Low Solid*	710	U		35	710	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	360	U		19	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Hexachlorobutadiene, 3541 Low Solid*	71	U		18	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Naphthalene, 3541 Low Solid*	710	U		33	710	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	1400	U		120	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	4-Chloroaniline, 3541 Low Solid*	360	U		80	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	710	U		96	710	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	2100	U		650	2100	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	71	U		21	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2-Methylnaphthalene, 3541 Low Solid*	360	U		23	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2-Nitroaniline, 3541 Low Solid*	360	U		33	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2-Chloronaphthalene, 3541 Low Solid*		U									

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/22/2004

Job Number: 231657

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LNWSd-044M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-17
 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
	4-Chloro-3-methylphenol, 3541 Low Solid*	710	U		74	710	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	71	U		20	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2-Nitrophenol, 3541 Low Solid*	710	U		31	710	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	3-Nitroaniline, 3541 Low Solid*	1400	U		300	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Dimethyl phthalate, 3541 Low Solid*	140	U		19	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	1400	U		220	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Acenaphthylene, 3541 Low Solid*	71	U		18	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	71	U		22	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Acenaphthene, 3541 Low Solid*	71	U		18	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Dibenzofuran, 3541 Low Solid*	140	U		19	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	4-Nitrophenol, 3541 Low Solid*	1400	U		450	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Fluorene, 3541 Low Solid*	71	U		19	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	4-Nitroaniline, 3541 Low Solid*	1400	U		96	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	360	U		21	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Hexachlorobenzene, 3541 Low Solid*	71	U		20	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Diethyl phthalate, 3541 Low Solid*	140	U		20	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	360	U		21	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Pentachlorophenol, 3541 Low Solid*	710	U		240	710	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	71	U		22	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	1400	U		360	1400	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Phenanthrene, 3541 Low Solid*	110	U		32	110	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Anthracene, 3541 Low Solid*	71	U		23	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Carbazole, 3541 Low Solid*	360	U		25	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	360	U		24	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Fluoranthene, 3541 Low Solid*	68	J		23	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Pyrene, 3541 Low Solid*	71	J		26	110	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	140	J		22	140	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Benzo(a)anthracene, 3541 Low Solid*	59	J		21	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Chrysene, 3541 Low Solid*	79	J		22	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk

* In Description = Dry Wgt.

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Job Number: 231657 LABORATORY TEST RESULTS Date: 11/22/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOB5 ATTN: Eric Ellis

Customer Sample ID: LNWsd-044M-SD Laboratory Sample ID: 231657-17
 Date Sampled.....: 11/02/2004 Date Received.....: 11/04/2004
 Time Sampled.....: 15:00 Time Received.....: 09:10
 Sample Matrix.....: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	360	U		31	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	360	U		69	360	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	710	U		22	710	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	91		M	19	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	38	J		20	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Benzo(a)pyrene, 3541 Low Solid*	64	J		20	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	71	U		22	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	71	U		20	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	43	J		24	71	1.00000	ug/Kg	134462		11/16/04 1835	dpk
Method	% Solids Determination											
	% Solids, Solid	43.8			0.10	0.10	1	%	133225		11/04/04 2328	clb
	% Moisture, Solid	56.2			0.10	0.10	1	%	133225		11/04/04 2328	clb

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231657

LABORATORY TEST RESULTS

Date: 11/18/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RMAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LNWsd-044M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-17
 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		11/09/04 2302	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134710		11/09/04 2302	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134710		11/09/04 2302	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134710		11/09/04 2302	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134710		11/09/04 2302	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134710		11/09/04 2302	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134710		11/09/04 2302	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134710		11/09/04 2302	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134710		11/09/04 2302	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134710		11/09/04 2302	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134710		11/09/04 2302	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134710		11/09/04 2302	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134710		11/09/04 2302	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134710		11/09/04 2302	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	134715		11/09/04 2015	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LNWsd-044-SD

Trace Level Organic Compounds

Lot-Sample #...: G4K040343-006 Work Order #...: GV9KQ1AA Matrix.....: SOLID
Date Sampled...: 11/02/04 15:00 Date Received..: 11/04/04
Prep Date.....: 11/08/04 Analysis Date..: 11/11/04
Prep Batch #...: 4313426
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: LNwsd-044-SD

General Chemistry

Lot-Sample #...: G4K040343-006
Date Sampled...: 11/02/04

Work Order #...: GV9KQ
Date Received...: 11/04/04

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	1.4 B	2.0	mg/kg	MCAWW 353.2	11/09-11/12/04	4314547
		MDL.....: 0.57				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Elits					
Customer Sample ID: LNWsd-045M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 14:15 Sample Matrix.....: Sediment			Laboratory Sample ID: 231657-12 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	42.7			0.10	0.10	1	%	133225		11/04/04 2314	clb
	% Moisture, Solid	57.3			0.10	0.10	1	%	133225		11/04/04 2314	clb
7041	Antimony (GFAA) Antimony, Solid*	3.1		U	0.97	3.1	1	mg/Kg	133945		11/10/04 1651	daj
7841	Thallium (GFAA) Thallium, Solid*	1.3		U	0.42	1.3	1	mg/Kg	134082		11/11/04 0922	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.061			0.010	0.039	1	mg/Kg	134643		11/16/04 1443	gak
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9100			5.1	32	1	mg/Kg	134280		11/13/04 1619	tds
	Barium, Solid*	81			0.34	2.1	1	mg/Kg	134280		11/13/04 1619	tds
	Arsenic, Solid*	12			1.1	3.2	1	mg/Kg	134280		11/13/04 1619	tds
	Beryllium, Solid*	0.66		B	0.093	0.85	1	mg/Kg	134280		11/13/04 1619	tds
	Cadmium, Solid*	0.53		U	0.17	0.53	1	mg/Kg	134280		11/13/04 1619	tds
	Calcium, Solid*	1900			6.6	21	1	mg/Kg	134280		11/13/04 1619	tds
	Chromium, Solid*	12			0.47	2.1	1	mg/Kg	134280		11/13/04 1619	tds
	Cobalt, Solid*	8.5			0.30	1.1	1	mg/Kg	134280		11/13/04 1619	tds
	Copper, Solid*	18			1.9	6.4	1	mg/Kg	134280		11/13/04 1619	tds
	Iron, Solid*	22000			6.4	21	1	mg/Kg	134280		11/13/04 1619	tds
	Magnesium, Solid*	2200			3.6	21	1	mg/Kg	134280		11/13/04 1619	tds
	Manganese, Solid*	710			0.28	2.1	1	mg/Kg	134280		11/13/04 1619	tds
	Nickel, Solid*	18			0.53	2.1	1	mg/Kg	134280		11/13/04 1619	tds
	Lead, Solid*	16			0.91	3.2	1	mg/Kg	134280		11/13/04 1619	tds
	Potassium, Solid*	1200			29	110	1	mg/Kg	134280		11/13/04 1619	tds

* In Description = Dry Wgt.

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Job Number: 231657 LABORATORY TEST RESULTS Date: 11/18/2004

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

Customer Sample ID: LNWsd-045M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-12
 Date Received.....: 11/04/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	3.2		U	0.85	3.2	1	mg/Kg	134280		11/13/04 1619	tds
	Silver, Solid*	2.1		U	0.66	2.1	1	mg/Kg	134280		11/13/04 1619	tds
	Sodium, Solid*	280		B	180	640	1	mg/Kg	134280		11/13/04 1619	tds
	Vanadium, Solid*	17			0.45	2.1	1	mg/Kg	134280		11/13/04 1619	tds
	Zinc, Solid*	89			0.85	4.2	1	mg/Kg	134280		11/13/04 1619	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231657

Date: 11/19/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADS

ATTN: Eric Ellis

Customer Sample ID: 1NWsd-045M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-12
 Date Received.....: 11/04/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	380	U		16	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	380	U		31	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	380	U		35	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	380	U		32	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Benzyl alcohol, 3541 Low Solid*	1500	U		170	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	150	U		24	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	380	U		36	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	150	U		30	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Hexachloroethane, 3541 Low Solid*	380	U		20	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	150	U		27	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2-Chlorophenol, 3541 Low Solid*	380	U		31	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Nitrobenzene, 3541 Low Solid*	75	U		20	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	380	U		31	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Benzoic acid, 3541 Low Solid*	1500	U	*	450	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Isophorone, 3541 Low Solid*	380	U		45	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	750	U		37	750	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Hexachlorobutadiene, 3541 Low Solid*	380	U		21	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Naphthalene, 3541 Low Solid*	75	U		19	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	750	U		35	750	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	4-Chloroaniline, 3541 Low Solid*	1500	U		120	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	380	U		85	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	750	U		100	750	1.00000	ug/Kg	134462		11/16/04 2111	dpk
Hexachlorocyclopentadiene, 3541 Low Solid*	2300	U		700	2300	1.00000	ug/Kg	134462		11/16/04 2111	dpk	
2-Methylnaphthalene, 3541 Low Solid*	75	U		23	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk	
2-Nitroaniline, 3541 Low Solid*	380	U		25	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk	
2-Chloronaphthalene, 3541 Low Solid*	380	U		36	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LNWsd-045M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-12
 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
	4-Chloro-3-methylphenol, 3541 Low Solid*	750	U		79	750	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	75	U		21	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2-Nitrophenol, 3541 Low Solid*	750	U		33	750	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	3-Nitroaniline, 3541 Low Solid*	1500	U		310	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Dimethyl phthalate, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	1500	U		240	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Acenaphthylene, 3541 Low Solid*	75	U		19	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	75	U		24	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Acenaphthene, 3541 Low Solid*	75	U		19	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Dibenzofuran, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	4-Nitrophenol, 3541 Low Solid*	1500	U		480	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Fluorene, 3541 Low Solid*	75	U		21	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	4-Nitroaniline, 3541 Low Solid*	1500	U		100	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	380	U		23	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Hexachlorobenzene, 3541 Low Solid*	75	U		22	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Diethyl phthalate, 3541 Low Solid*	150	U		22	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	380	U		23	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Pentachlorophenol, 3541 Low Solid*	750	U		250	750	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	75	U		24	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	1500	U		390	1500	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Phenanthrene, 3541 Low Solid*	110	U		34	110	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Anthracene, 3541 Low Solid*	75	U		25	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Carbazole, 3541 Low Solid*	380	U		27	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	380	U		26	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Fluoranthene, 3541 Low Solid*	41	J		24	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Pyrene, 3541 Low Solid*	43	J		27	110	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	150	U		23	150	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Benzo(a)anthracene, 3541 Low Solid*	33	J		23	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Chrysene, 3541 Low Solid*	33	J		24	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LNwsd-045M-S0
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-12
 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
	3,3-Dichlorobenzidine, 3541 Low Solid*	380	U		33	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	380	U		73	380	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	750	U		24	750	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	42	J		20	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	75	U		21	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Benzo(a)pyrene, 3541 Low Solid*	31	J		22	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	75	U		23	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	75	U		22	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	75	U		25	75	1.00000	ug/Kg	134462		11/16/04 2111	dpk
Method	% Solids Determination											
	% Solids, Solid	42.7			0.10	0.10	1	%	133225		11/04/04 2314	clb
	% Moisture, Solid	57.3			0.10	0.10	1	%	133225		11/04/04 2314	clb

* 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 ADDS ATTN: Eric ELLis

Customer Sample ID: LNWsd-045M-SD Laboratory Sample ID: 231657-12
 Date Sampled.....: 11/02/2004 Date Received.....: 11/04/2004
 Time Sampled.....: 14:15 Time Received.....: 09:10
 Sample Matrix.....: Sediment

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		11/09/04 1842	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134710		11/09/04 1842	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	134710		11/09/04 1842	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134710		11/09/04 1842	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134710		11/09/04 1842	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	134710		11/09/04 1842	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134710		11/09/04 1842	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134710		11/09/04 1842	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134710		11/09/04 1842	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134710		11/09/04 1842	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134710		11/09/04 1842	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134710		11/09/04 1842	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134710		11/09/04 1842	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134710		11/09/04 1842	san

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/18/2004

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

Customer Sample ID: LNWsd-045M-DUP Laboratory Sample ID: 231657-14
 Date Sampled.....: 11/02/2004 Date Received.....: 11/04/2004
 Time Sampled.....: 14:15 Time Received.....: 09:10
 Sample Matrix.....: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	44.1			0.10	0.10	1	%	133225		11/04/04 2320	clb
	% Moisture, Solid	55.9			0.10	0.10	1	%	133225		11/04/04 2320	clb
7041	Antimony (GFAA) Antimony, Solid*	2.3		U	0.72	2.3	1	mg/Kg	133945		11/10/04 1742	daj
7841	Thallium (GFAA) Thallium, Solid*	0.98		U	0.31	0.98	1	mg/Kg	134375		11/12/04 1438	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.035		B	0.0098	0.037	1	mg/Kg	134643		11/16/04 1448	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9200			5.2	33	1	mg/Kg	134280		11/13/04 1632	tds
	Barium, Solid*	83			0.35	2.2	1	mg/Kg	134280		11/13/04 1632	tds
	Arsenic, Solid*	12			1.1	3.3	1	mg/Kg	134280		11/13/04 1632	tds
	Beryllium, Solid*	0.68		B	0.096	0.87	1	mg/Kg	134280		11/13/04 1632	tds
	Cadmium, Solid*	0.55		U	0.17	0.55	1	mg/Kg	134280		11/13/04 1632	tds
	Calcium, Solid*	2100			6.8	22	1	mg/Kg	134280		11/13/04 1632	tds
	Chromium, Solid*	13			0.48	2.2	1	mg/Kg	134280		11/13/04 1632	tds
	Cobalt, Solid*	8.8			0.31	1.1	1	mg/Kg	134280		11/13/04 1632	tds
	Copper, Solid*	16			2.0	6.5	1	mg/Kg	134280		11/13/04 1632	tds
	Iron, Solid*	22000			6.5	22	1	mg/Kg	134280		11/13/04 1632	tds
	Magnesium, Solid*	2200			3.7	22	1	mg/Kg	134280		11/13/04 1632	tds
	Manganese, Solid*	710			0.28	2.2	1	mg/Kg	134280		11/13/04 1632	tds
	Nickel, Solid*	18			0.55	2.2	1	mg/Kg	134280		11/13/04 1632	tds
	Lead, Solid*	17			0.94	3.3	1	mg/Kg	134280		11/13/04 1632	tds
	Potassium, Solid*	1200			30	110	1	mg/Kg	134280		11/13/04 1632	tds

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS					Date: 11/18/2004					
CUSTOMER: HGM Engineers, Inc.			PROJECT: USACE RVAMP 14 ADDS			ATTN: Eric Ellits						
Customer Sample ID: LNWsd-045M-DUP			Laboratory Sample ID: 231657-14									
Date Sampled.....: 11/02/2004			Date Received.....: 11/04/2004									
Time Sampled.....: 14:15			Time Received.....: 09:10									
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	3.3	U		0.87	3.3	1	mg/Kg	134280		11/13/04 1632	tds
	Silver, Solid*	2.2	U		0.68	2.2	1	mg/Kg	134280		11/13/04 1632	tds
	Sodium, Solid*	300	B		190	650	1	mg/Kg	134280		11/13/04 1632	tds
	Vanadium, Solid*	17			0.46	2.2	1	mg/Kg	134280		11/13/04 1632	tds
	Zinc, Solid*	91			0.87	4.4	1	mg/Kg	134280		11/13/04 1632	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/19/2004

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

Customer Sample ID: LNWsd-045M-DUP
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-14
 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
8270C	Semivolatle Organics											
	Phenol, 3541 Low Solid*	370	U		16	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	370	U		30	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	370	U		34	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	370	U		31	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Benzyl alcohol, 3541 Low Solid*	1500	U		160	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	150	U		23	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	370	U		35	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	150	U		29	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Hexachloroethane, 3541 Low Solid*	370	U		19	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	150	U		26	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2-Chlorophenol, 3541 Low Solid*	370	U		30	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Nitrobenzene, 3541 Low Solid*	73	U		19	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	150	U		19	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	370	U		30	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Benzoic acid, 3541 Low Solid*	1500	U	*	430	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Isophorone, 3541 Low Solid*	370	U		43	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	730	U		36	730	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Hexachlorobutadiene, 3541 Low Solid*	370	U		20	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Naphthalene, 3541 Low Solid*	73	U		19	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	730	U		34	730	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	4-Chloroaniline, 3541 Low Solid*	1500	U		120	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	370	U		83	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	730	U		99	730	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	2200	U		680	2200	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2-Methylnaphthalene, 3541 Low Solid*	73	U		22	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2-Nitroaniline, 3541 Low Solid*	370	U		24	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2-Chloronaphthalene, 3541 Low Solid*	370	U		35	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/19/2004

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

Customer Sample ID: LNWsd-045M-DUP
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-14
 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
	4-Chloro-3-methylphenol, 3541 Low Solid*	730	U		77	730	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	73	U		20	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2-Nitrophenol, 3541 Low Solid*	730	U		33	730	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	3-Nitroaniline, 3541 Low Solid*	1500	U		310	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Dimethyl phthalate, 3541 Low Solid*	150	U		20	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	1500	U		230	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Acenaphthylene, 3541 Low Solid*	73	U		18	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	73	U		23	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Acenaphthene, 3541 Low Solid*	73	U		18	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Dibenzofuran, 3541 Low Solid*	150	U		19	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	4-Nitrophenol, 3541 Low Solid*	1500	U		470	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Fluorene, 3541 Low Solid*	73	U		20	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	4-Nitroaniline, 3541 Low Solid*	1500	U		99	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	370	U		22	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Hexachlorobenzene, 3541 Low Solid*	73	U		21	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Diethyl phthalate, 3541 Low Solid*	150	U		21	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	370	U		22	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Pentachlorophenol, 3541 Low Solid*	730	U		250	730	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	73	U		23	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	1500	U		370	1500	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Phenanthrene, 3541 Low Solid*	110	U		33	110	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Anthracene, 3541 Low Solid*	73	U		24	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Carbazole, 3541 Low Solid*	370	U		26	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	370	U		25	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Fluoranthene, 3541 Low Solid*	34	J		24	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Pyrene, 3541 Low Solid*	37	J		27	110	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	150	U		23	150	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Benzo(a)anthracene, 3541 Low Solid*	29	J		22	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Chrysene, 3541 Low Solid*	30	J		23	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS							Date: 11/19/2004			
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs							ATTN: Eric Ellis			
Customer Sample ID: LNWsd-045M-DUP		Laboratory Sample ID: 231657-14										
Date Sampled.....: 11/02/2004		Date Received.....: 11/04/2004										
Time Sampled.....: 14:15		Time Received.....: 09:10										
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	370	U		33	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	370	U		71	370	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	730	U		23	730	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	73	U		20	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	73	U		21	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Benzo(a)pyrene, 3541 Low Solid*	23	J		21	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	73	U		23	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	73	U		21	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	73	U		24	73	1.00000	ug/Kg	134462		11/16/04 1809	dpk
Method	% Solids Determination	44.1			0.10	0.10	1	%	133225		11/04/04 2320	ctb
	% Solids, Solid											
	% Moisture, Solid	55.9			0.10	0.10	1	%	133225		11/04/04 2320	ctb

* In Description = Dry Wgt.

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Job Number: 231657

LABORATORY TEST RESULTS

Date: 11/18/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RVAAP 14 AQCS

ATTN: Eric Elms

Customer Sample ID: LNwsd-045M-DUP
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-14
 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		11/09/04 2052	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134710		11/09/04 2052	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134710		11/09/04 2052	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134710		11/09/04 2052	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134710		11/09/04 2052	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134710		11/09/04 2052	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134710		11/09/04 2052	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134710		11/09/04 2052	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134710		11/09/04 2052	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134710		11/09/04 2052	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134710		11/09/04 2052	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134710		11/09/04 2052	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134710		11/09/04 2052	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134710		11/09/04 2052	san

* In Description = Dry Wgt.

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

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

Customer Sample ID: LNWsd-046M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 10:53
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231611-27
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	35.8			0.10	0.10	1	%	133222		11/04/04 2025	clb
	% Moisture, Solid	64.2			0.10	0.10	1	%	133222		11/04/04 2025	clb
7041	Antimony (GFAA) Antimony, Solid*	2.3		U	0.73	2.3	1	mg/Kg	133763		11/09/04 1349	daj
7841	Thallium (GFAA) Thallium, Solid*	0.99		U	0.31	0.99	1	mg/Kg	134082		11/10/04 1117	daJ
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.068			0.012	0.046	1	mg/Kg	133831		11/09/04 1511	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			4.6	29	1	mg/Kg	133744		11/09/04 1911	tds
	Barium, Solid*	110			0.31	1.9	1	mg/Kg	133744		11/09/04 1911	tds
	Arsenic, Solid*	7.8			0.98	2.9	1	mg/Kg	133744		11/09/04 1911	tds
	Beryllium, Solid*	0.73		B	0.085	0.77	1	mg/Kg	133744		11/09/04 1911	tds
	Cadmium, Solid*	0.48		U	0.15	0.48	1	mg/Kg	133744		11/09/04 1911	tds
	Calcium, Solid*	1800			6.0	19	1	mg/Kg	133744		11/09/04 1911	tds
	Chromium, Solid*	13			0.42	1.9	1	mg/Kg	133744		11/09/04 1911	tds
	Cobalt, Solid*	7.5			0.27	0.96	1	mg/Kg	133744		11/09/04 1911	tds
	Copper, Solid*	16			1.7	5.8	1	mg/Kg	133744		11/09/04 1911	tds
	Iron, Solid*	19000		H	5.8	19	1	mg/Kg	133744		11/09/04 1911	tds
	Magnesium, Solid*	2200			3.3	19	1	mg/Kg	133744		11/09/04 1911	tds
	Manganese, Solid*	700			0.25	1.9	1	mg/Kg	133744		11/09/04 1911	tds
	Nickel, Solid*	17			0.48	1.9	1	mg/Kg	133744		11/09/04 1911	tds
	Lead, Solid*	19			0.83	2.9	1	mg/Kg	133744		11/09/04 1911	tds
	Potassium, Solid*	810			27	96	1	mg/Kg	133744		11/09/04 1911	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231611								Date: 11/17/2004				
CUSTOMER: MKH Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: LMWsd-046M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 10:53 Sample Matrix.....: Sediment						Laboratory Sample ID: 231611-27 Date Received.....: 11/03/2004 Time Received.....: 09:10						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.9		U	0.77	2.9	1	mg/Kg	133744		11/09/04 1911	tds
	Silver, Solid*	1.9		U	0.60	1.9	1	mg/Kg	133744		11/09/04 1911	tds
	Sodium, Solid*	280		B	170	580	1	mg/Kg	133744		11/09/04 1911	tds
	Vanadium, Solid*	18			0.40	1.9	1	mg/Kg	133744		11/09/04 1911	tds
	Zinc, Solid*	75			0.77	3.8	1	mg/Kg	133744		11/09/04 1911	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LNWsd-046M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 10:53
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231611-27
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	1800	U		77	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	730	U		97	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	1800	U		150	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	1800	U		170	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	1800	U		150	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Benzyl alcohol, 3541 Low Solid*	7300	U		800	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	730	U		110	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2,2-oxybis (1-chloropropane), 3541 Low So*id	1800	U		170	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	730	U		140	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Hexachloroethane, 3541 Low Solid*	1800	U		94	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	730	U		130	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2-Chlorophenol, 3541 Low Solid*	1800	U		150	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Nitrobenzene, 3541 Low Solid*	360	U		94	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	730	U		96	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	1800	U		150	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Benzoic acid, 3541 Low Solid*	7300	U	*	2100	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Isophorone, 3541 Low Solid*	1800	U		210	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	3600	U		180	3600	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Hexachlorobutadiene, 3541 Low Solid*	1800	U		98	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Naphthalene, 3541 Low Solid*	360	U		92	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	3600	U		170	3600	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	4-Chloroaniline, 3541 Low Solid*	7300	U		590	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
2,4,6-Trichlorophenol, 3541 Low Solid*	1800	U		410	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk	
2,4,5-Trichlorophenol, 3541 Low Solid*	3600	U		490	3600	1.00000	ug/Kg	135522		11/25/04 0259	dpk	
Hexachlorocyclopentadiene, 3541 Low Solid*	11000	U		3300	11000	1.00000	ug/Kg	135522		11/25/04 0259	dpk	
2-Methylnaphthalene, 3541 Low Solid*	360	U		110	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk	
2-Nitroaniline, 3541 Low Solid*	1800	U		120	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk	
2-Chloronaphthalene, 3541 Low Solid*	1800	U		170	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LNWsd-046M-S0
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 10:53
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231611-27
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	3600	U		380	3600	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	360	U		100	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2-Nitrophenol, 3541 Low Solid*	3600	U		160	3600	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	3-Nitroaniline, 3541 Low Solid*	7300	U		1500	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Dimethyl phthalate, 3541 Low Solid*	730	U		97	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	7300	U		1100	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Acenaphthylene, 3541 Low Solid*	360	U		91	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	360	U		110	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Acenaphthene, 3541 Low Solid*	360	U		91	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Dibenzofuran, 3541 Low Solid*	730	U		96	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	4-Nitrophenol, 3541 Low Solid*	7300	U		2300	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Fluorene, 3541 Low Solid*	360	U		98	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	4-Nitroaniline, 3541 Low Solid*	7300	U		490	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	1800	U		110	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Hexachlorobenzene, 3541 Low Solid*	360	U		100	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Diethyl phthalate, 3541 Low Solid*	730	U		100	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	1800	U		110	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Pentachlorophenol, 3541 Low Solid*	3600	U		1200	3600	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	360	U		110	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	7300	U		1800	7300	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Phenanthrene, 3541 Low Solid*	550	U		160	550	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Anthracene, 3541 Low Solid*	360	U		120	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Carbazole, 3541 Low Solid*	1800	U		130	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	1800	U		120	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Fluoranthene, 3541 Low Solid*	360	U		120	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Pyrene, 3541 Low Solid*	550	U		130	550	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	730	U		110	730	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Benzo(a)anthracene, 3541 Low Solid*	360	U		110	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Chrysene, 3541 Low Solid*	360	U		110	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCS				ATTN: Eric Ellis					
Customer Sample ID: LNwsd-046M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 10:53 Sample Matrix.....: Sediment			Laboratory Sample ID: 231611-27 Date Received.....: 11/03/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	1800	U		160	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	1800	U		350	1800	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	3600	U		110	3600	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	360	U		97	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	360	U		100	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Benzo(a)pyrene, 3541 Low Solid*	360	U		100	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	360	U		110	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	360	U		100	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	360	U		120	360	1.00000	ug/Kg	135522		11/25/04 0259	dpk
Method	% Solids Determination											
	% Solids, Solid	35.8			0.10	0.10	1	%	133222		11/04/04 2025	clb
	% Moisture, Solid	64.2			0.10	0.10	1	%	133222		11/04/04 2025	clb

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADGS				ATTN: Eric Ellits					
Customer Sample ID: LNWsd-046M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 10:53 Sample Matrix.....: Sediment			Laboratory Sample ID: 231611-27 Date Received.....: 11/03/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	2.0	U		0.55	2.0	10.0000	mg/Kg	134571		11/07/04 1032	san
	RDX, Solid	2.0	U		0.61	2.0	10.0000	mg/Kg	134571		11/07/04 1032	san
	1,3,5-Trinitrobenzene, Solid	0.98	U		0.32	0.98	10.0000	mg/Kg	134571		11/07/04 1032	san
	1,3-Dinitrobenzene, Solid	0.98	U		0.23	0.98	10.0000	mg/Kg	134571		11/07/04 1032	san
	Nitrobenzene, Solid	0.98	U		0.21	0.98	10.0000	mg/Kg	134571		11/07/04 1032	san
	2,4,6-TNT, Solid	0.98	U		0.23	0.98	10.0000	mg/Kg	134571		11/07/04 1032	san
	Tetryl, Solid	3.9	U		1.2	3.9	10.0000	mg/Kg	134571		11/07/04 1032	san
	2,4-Dinitrotoluene, Solid	0.98	U		0.25	0.98	10.0000	mg/Kg	134571		11/07/04 1032	san
	2,6-Dinitrotoluene, Solid	2.0	U		0.48	2.0	10.0000	mg/Kg	134571		11/07/04 1032	san
	2-Amino-4,6-Dinitrotoluene, Solid	2.0	U		0.45	2.0	10.0000	mg/Kg	134571		11/07/04 1032	san
	4-Amino-2,6-Dinitrotoluene, Solid	2.9	U		0.92	2.9	10.0000	mg/Kg	134571		11/07/04 1032	san
	2-Nitrotoluene, Solid	2.0	U		0.47	2.0	10.0000	mg/Kg	134571		11/07/04 1032	san
	4-Nitrotoluene, Solid	2.0	U		0.49	2.0	10.0000	mg/Kg	134571		11/07/04 1032	san
	3-Nitrotoluene, Solid	2.0	U		0.52	2.0	10.0000	mg/Kg	134571		11/07/04 1032	san

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS					Date: 12/15/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACCS			ATTN: Eric Elles						
Customer Sample ID: PIRsd-001M-SD Date Sampled.....: 11/17/2004 Time Sampled.....: 15:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 232119-14 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	57.3			0.10	0.10	1	%	134917		11/19/04 1452	daj
	% Moisture, Solid	42.7			0.10	0.10	1	%	134917		11/19/04 1452	daj
7041	Antimony (GFAA) Antimony, Solid*	2.0		U	0.64	2.0	1	mg/Kg	135231		11/22/04 2109	daj
7841	Thallium (GFAA) Thallium, Solid*	0.87		U	0.28	0.87	1	mg/Kg	135201		11/23/04 0619	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.024		B	0.0075	0.029	1	mg/Kg	135630		11/29/04 1559	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4500			1.9	24	1	mg/Kg	135885		12/01/04 1556	tds
	Barium, Solid*	56			0.19	1.6	1	mg/Kg	135885		12/01/04 1556	tds
	Arsenic, Solid*	9.9			0.68	2.4	1	mg/Kg	135885		12/01/04 1556	tds
	Beryllium, Solid*	0.48		B	0.021	0.65	1	mg/Kg	135885		12/01/04 1556	tds
	Cadmium, Solid*	0.073		B	0.041	0.41	1	mg/Kg	136017		12/02/04 1545	tds
	Calcium, Solid*	4000			1.3	16	1	mg/Kg	135885		12/01/04 1556	tds
	Chromium, Solid*	7.0			0.18	1.6	1	mg/Kg	135885		12/01/04 1556	tds
	Cobalt, Solid*	4.9			0.099	0.81	1	mg/Kg	135885		12/01/04 1556	tds
	Copper, Solid*	7.8			0.52	4.9	1	mg/Kg	135885		12/01/04 1556	tds
	Iron, Solid*	13000			5.3	16	1	mg/Kg	135885		12/01/04 1556	tds
	Magnesium, Solid*	1900			1.8	16	1	mg/Kg	135885		12/01/04 1556	tds
	Manganese, Solid*	590			0.054	1.6	1	mg/Kg	135885		12/01/04 1556	tds
	Nickel, Solid*	10			0.18	1.6	1	mg/Kg	135885		12/01/04 1556	tds
	Lead, Solid*	11			0.34	0.81	1	mg/Kg	135885		12/01/04 1556	tds
	Potassium, Solid*	450			7.3	81	1	mg/Kg	135885		12/01/04 1556	tds

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: PIRsd-001W-SD Date Sampled.....: 11/17/2004 Time Sampled.....: 15:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 232119-14 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	2.9	U		0.27	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	beta-BHC, 3541 Solid*	2.9	U		0.26	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	delta-BHC, 3541 Solid*	2.9	U		0.19	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	gamma-BHC (Lindane), 3541 Solid*	2.9	U		0.39	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Heptachlor, 3541 Solid*	2.9	U	*	0.31	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Aldrin, 3541 Solid*	2.9	U		0.22	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Heptachlor epoxide, 3541 Solid*	2.9	U		0.24	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Endosulfan I, 3541 Solid*	2.9	U		0.46	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Dieldrin, 3541 Solid*	2.9	U		0.58	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	4,4'-DDE, 3541 Solid*	3.4	U		1.1	3.4	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Endrin, 3541 Solid*	2.9	U		0.74	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Endosulfan II, 3541 Solid*	2.9	U		0.48	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	4,4'-DDD, 3541 Solid*	2.9	U		0.62	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Endosulfan sulfate, 3541 Solid*	2.9	U		0.50	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	4,4'-DDT, 3541 Solid*	2.9	U		0.63	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Methoxychlor, 3541 Solid*	14	U		3.9	14	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	alpha-Chlordane, 3541 Solid*	2.9	U		0.21	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	gamma-Chlordane, 3541 Solid*	2.9	U		0.26	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Endrin aldehyde, 3541 Solid*	2.9	U		0.56	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Endrin ketone, 3541 Solid*	2.9	U		0.50	2.9	1.00000	ug/Kg	136522		11/30/04 0516	kdl
	Toxaphene, 3541 Solid*	29	U		7.9	29	1.00000	ug/Kg	136522		11/30/04 0516	kdl
Method	% Solids Determination											
	% Solids, Solid	57.3			0.10	0.10	1	%	134917		11/19/04 1452	daj
	% Moisture, Solid	42.7			0.10	0.10	1	%	134917		11/19/04 1452	daj

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: PIRsd-001N-SD Date Sampled.....: 11/17/2004 Time Sampled.....: 15:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 232119-14 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	56	U		15	56	1.00000	ug/Kg	136118		11/29/04 2319	bjt
	Aroclor 1221, 3541 Solid*	56	U		7.9	56	1.00000	ug/Kg	136118		11/29/04 2319	bjt
	Aroclor 1232, 3541 Solid*	29	U		7.7	29	1.00000	ug/Kg	136118		11/29/04 2319	bjt
	Aroclor 1242, 3541 Solid*	56	U		8.4	56	1.00000	ug/Kg	136118		11/29/04 2319	bjt
	Aroclor 1248, 3541 Solid*	29	U		6.3	29	1.00000	ug/Kg	136118		11/29/04 2319	bjt
	Aroclor 1254, 3541 Solid*	56	U		7.7	56	1.00000	ug/Kg	136118		11/29/04 2319	bjt
	Aroclor 1260, 3541 Solid*	56	U		22	56	1.00000	ug/Kg	136118		11/29/04 2319	bjt
Method	% Solids Determination											
	% Solids, Solid	57.3			0.10	0.10	1	%	134917		11/19/04 1452	daj
	% Moisture, Solid	42.7			0.10	0.10	1	%	134917		11/19/04 1452	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001D-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-6
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Vinyl chloride, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Bromomethane, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Chloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,1-Dichloroethene, Solid*	6.1	U		1.6	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Carbon disulfide, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Acetone, Solid*	18	U		5.6	18	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Methylene chloride, Solid*	12	U		3.5	12	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	trans-1,2-Dichloroethene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,1-Dichloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	cis-1,2-Dichloroethene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	2-Butanone (MEK), Solid*	18	U		4.7	18	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Bromochloromethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Chloroform, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,1,1-Trichloroethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Carbon tetrachloride, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Benzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,2-Dichloroethane, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Trichloroethene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,2-Dichloropropane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Bromodichloromethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	cis-1,3-Dichloropropene, Solid*	6.1	U		1.1	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	12	U		1.2	12	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Toluene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	trans-1,3-Dichloropropene, Solid*	6.1	U		0.96	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,1,2-Trichloroethane, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Tetrachloroethene, Solid*	6.1	U		1.5	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	2-Hexanone, Solid*	12	U		1.3	12	1.00000	ug/Kg	135678		11/29/04 2207	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119 Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RYMAP 14 AQCS ATTN: Eric Ellis

Customer Sample ID: PIRsd-0010-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-6
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.1	U		0.96	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,2-Dibromoethane (EDB), Solid*	6.1	U		1.0	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Chlorobenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Ethylbenzene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	m&p-Xylenes, Solid*	12	U		2.8	12	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	o-Xylene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Styrene, Solid*	6.1	U		1.3	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Bromoform, Solid*	6.1	U		0.91	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.1	U		1.2	6.1	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	1,2-Dichloroethene (total), Solid*	12	U		2.5	12	1.00000	ug/Kg	135678		11/29/04 2207	jdj
	Xylenes (total), Solid*	12	U		4.1	12	1.00000	ug/Kg	135678		11/29/04 2207	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-S0
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-14
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, 3541 Low Solid*	290	U		12	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	290	U		23	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	290	U		27	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	290	U		24	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Benzyl alcohol, 3541 Low Solid*	1200	U		130	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	120	U		18	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Soli*d	290	U		28	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	120	U		23	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Hexachloroethane, 3541 Low Solid*	290	U		15	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	120	U		21	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2-Chlorophenol, 3541 Low Solid*	290	U		23	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Nitrobenzene, 3541 Low Solid*	57	U		15	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	290	U		24	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Benzoic acid, 3541 Low Solid*	1200	U	*	340	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Isophorone, 3541 Low Solid*	290	U		34	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	570	U		28	570	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Hexachlorobutadiene, 3541 Low Solid*	290	U		16	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Naphthalene, 3541 Low Solid*	57	U		15	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	570	U		27	570	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	4-Chloroaniline, 3541 Low Solid*	1200	U		93	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	290	U		65	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	570	U		77	570	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1700	U		530	1700	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2-Methylnaphthalene, 3541 Low Solid*	57	U		17	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2-Nitroaniline, 3541 Low Solid*	290	U		19	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2-Chloronaphthalene, 3541 Low Solid*	290	U		27	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-14
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	570	U		60	570	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2-Nitrophenol, 3541 Low Solid*	570	U		25	570	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	3-Nitroaniline, 3541 Low Solid*	1200	U		240	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Dimethyl phthalate, 3541 Low Solid*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	1200	U	*	180	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Acenaphthylene, 3541 Low Solid*	57	U		14	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	57	U		18	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Acenaphthene, 3541 Low Solid*	57	U		14	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Dibenzofuran, 3541 Low Solid*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	4-Nitrophenol, 3541 Low Solid*	1200	U		370	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Fluorene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	4-Nitroaniline, 3541 Low Solid*	1200	U		78	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	290	U		17	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Hexachlorobenzene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Diethyl phthalate, 3541 Low Solid*	120	U		16	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	290	U		17	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Pentachlorophenol, 3541 Low Solid*	570	U		190	570	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	57	U	*	18	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	1200	U	*	290	1200	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Phenanthrene, 3541 Low Solid*	87	U		26	87	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Anthracene, 3541 Low Solid*	57	U		19	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Carbazole, 3541 Low Solid*	290	U		20	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	290	U		20	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Fluoranthene, 3541 Low Solid*	57	U		19	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Pyrene, 3541 Low Solid*	87	U		21	87	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	120	U		18	120	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Benzo(a)anthracene, 3541 Low Solid*	57	U		17	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk
	Chrysene, 3541 Low Solid*	57	U		18	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 DOCS

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-14
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	3,3-Dichlorobenzidine, 3541 Low Solid*	290	U		25	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	290	U		55	290	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Di-n-octyl phthalate, 3541 Low Solid*	570	U		18	570	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Benzo(b)fluoranthene, 3541 Low Solid*	23	J		15	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Benzo(k)fluoranthene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Benzo(a)pyrene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	57	U		18	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Dibenzo(a,h)anthracene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	Benzo(ghi)perylene, 3541 Low Solid*	57	U		19	57	1.00000	ug/Kg	136423		12/02/04 0208	dpk	
	% Solids Determination												
	% Solids, Solid		57.3			0.10	0.10	1	%	134917		11/19/04 1452	daj
	% Moisture, Solid		42.7			0.10	0.10	1	%	134917		11/19/04 1452	daj

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: PIRsd-001M-5D Date Sampled.....: 11/17/2004 Time Sampled.....: 15:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 232119-14 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	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	136326		11/23/04 1041	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136326		11/23/04 1041	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136326		11/23/04 1041	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136326		11/23/04 1041	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136326		11/23/04 1041	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136326		11/23/04 1041	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136326		11/23/04 1041	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136326		11/23/04 1041	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136326		11/23/04 1041	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/23/04 1041	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136326		11/23/04 1041	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136326		11/23/04 1041	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/23/04 1041	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/23/04 1041	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	136341		12/01/04 2058	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: PIRsd-001M-SD

Trace Level Organic Compounds

Lot-Sample #...: G4K190351-004 Work Order #...: GXF2H1AA Matrix.....: SOLID
Date Sampled...: 11/17/04 15:20 Date Received...: 11/19/04
Prep Date.....: 11/29/04 Analysis Date...: 12/01/04
Prep Batch #...: 4334581
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</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: PIRsd-001M-SD

General Chemistry

Lot-Sample #...: G4K190351-004 Work Order #...: GXF2H Matrix.....: SOLID
Date Sampled...: 11/17/04 15:20 Date Received...: 11/19/04

<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	0.94 B,J	2.0	mg/kg	MCAWW 353.2	11/20-11/24/04	4325110
			Dilution Factor: 1	Initial Wgt/Vol: 10 g		Final Wgt/Vol...: 40 mL
			MDL.....: 0.57			

NOTE(S) :

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

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-13
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	55.2		0.10	0.10	1	%	134917		11/19/04 1450	daj
	% Moisture, Solid	44.8		0.10	0.10	1	%	134917		11/19/04 1450	daj
7041	Antimony (GFAA)										
	Antimony, Solid*	2.4	U	0.74	2.4	1	mg/Kg	135231		11/22/04 2059	daj
7841	Thallium (GFAA)										
	Thallium, Solid*	1.0	U	0.32	1.0	1	mg/Kg	135201		11/23/04 0606	daj
7471A	Mercury (CVAA) Solids										
	Mercury, Solid*	0.017	B	0.0078	0.030	1	mg/Kg	135630		11/29/04 1557	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	4100		1.8	23	1	mg/Kg	135885		12/01/04 1549	tds
	Barium, Solid*	50		0.18	1.5	1	mg/Kg	135885		12/01/04 1549	tds
	Arsenic, Solid*	12		0.65	2.3	1	mg/Kg	135885		12/01/04 1549	tds
	Beryllium, Solid*	0.43	B	0.020	0.62	1	mg/Kg	135885		12/01/04 1549	tds
	Cadmium, Solid*	0.086	B	0.038	0.38	1	mg/Kg	136017		12/02/04 1539	tds
	Calcium, Solid*	1400		1.2	15	1	mg/Kg	135885		12/01/04 1549	tds
	Chromium, Solid*	7.1		0.17	1.5	1	mg/Kg	135885		12/01/04 1549	tds
	Cobalt, Solid*	4.7		0.094	0.77	1	mg/Kg	135885		12/01/04 1549	tds
	Copper, Solid*	8.8		0.49	4.6	1	mg/Kg	135885		12/01/04 1549	tds
	Iron, Solid*	15000		5.0	15	1	mg/Kg	135885		12/01/04 1549	tds
	Magnesium, Solid*	1200		1.7	15	1	mg/Kg	135885		12/01/04 1549	tds
	Manganese, Solid*	550		0.051	1.5	1	mg/Kg	135885		12/01/04 1549	tds
	Nickel, Solid*	11		0.17	1.5	1	mg/Kg	135885		12/01/04 1549	tds
	Lead, Solid*	12		0.32	0.77	1	mg/Kg	135885		12/01/04 1549	tds
	Potassium, Solid*	440		6.9	77	1	mg/Kg	135885		12/01/04 1549	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/06/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-13
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.3	U		0.77	2.3	1	mg/Kg	135885		12/01/04 1549	tds
	Silver, Solid*	1.5	U		0.17	1.5	1	mg/Kg	135885		12/01/04 1549	tds
	Sodium, Solid*	200	B		130	460	1	mg/Kg	135885		12/01/04 1549	tds
	Vanadium, Solid*	9.9			0.14	1.5	1	mg/Kg	135885		12/01/04 1549	tds
	Zinc, Solid*	45			1.2	3.1	1	mg/Kg	135885		12/01/04 1549	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232119								Date: 12/08/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: PIRsd-001M-DUP Date Sampled.....: 11/17/2004 Time Sampled.....: 15:20 Sample Matrix.....: Sediment						Laboratory Sample ID: 232119-13 Date Received.....: 11/19/2004 Time Received.....: 09:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	2.9	U		0.28	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	beta-BHC, 3541 Solid*	2.9	U		0.26	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	delta-BHC, 3541 Solid*	2.9	U		0.19	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	gamma-BHC (Lindane), 3541 Solid*	2.9	U		0.40	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Heptachlor, 3541 Solid*	2.9	U	*	0.31	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Aldrin, 3541 Solid*	2.9	U		0.22	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Heptachlor epoxide, 3541 Solid*	2.9	U		0.24	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Endosulfan I, 3541 Solid*	2.9	U		0.46	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Dieldrin, 3541 Solid*	2.9	U		0.59	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	4,4'-DDE, 3541 Solid*	3.4	U		1.1	3.4	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Endrin, 3541 Solid*	2.9	U		0.74	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Endosulfan II, 3541 Solid*	2.9	U		0.48	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	4,4'-DDD, 3541 Solid*	2.9	U		0.62	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Endosulfan sulfate, 3541 Solid*	2.9	U		0.50	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	4,4'-DDT, 3541 Solid*	2.9	U		0.64	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Methoxychlor, 3541 Solid*	14	U		4.0	14	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	alpha-Chlordane, 3541 Solid*	2.9	U		0.21	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	gamma-Chlordane, 3541 Solid*	2.9	U		0.26	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Endrin aldehyde, 3541 Solid*	2.9	U		0.57	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Endrin ketone, 3541 Solid*	2.9	U		0.50	2.9	1.00000	ug/Kg	136522		11/30/04 0451	kdl
	Toxaphene, 3541 Solid*	29	U		7.9	29	1.00000	ug/Kg	136522		11/30/04 0451	kdl
Method	% Solids Determination											
	% Solids, Solid	55.2			0.10	0.10	1	%	134917		11/19/04 1450	daj
	% Moisture, Solid	44.8			0.10	0.10	1	%	134917		11/19/04 1450	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232119				Date: 12/08/2004								
CUSTOMER: HKM Engineers, Inc.				PROJECT: USACE RVAMP TA AOCs				ATTN: Eric Ellis				
Customer Sample ID: PIRsd-001M-DUP Date Sampled.....: 11/17/2004 Time Sampled.....: 15:20 Sample Matrix.....: Sediment						Laboratory Sample ID: 232119-13 Date Received.....: 11/19/2004 Time Received.....: 09:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	57	U		15	57	1.00000	ug/Kg	136118		11/29/04 2243	bjt
	Aroclor 1221, 3541 Solid*	57	U		7.9	57	1.00000	ug/Kg	136118		11/29/04 2243	bjt
	Aroclor 1232, 3541 Solid*	29	U		7.7	29	1.00000	ug/Kg	136118		11/29/04 2243	bjt
	Aroclor 1242, 3541 Solid*	57	U		8.4	57	1.00000	ug/Kg	136118		11/29/04 2243	bjt
	Aroclor 1248, 3541 Solid*	29	U		6.4	29	1.00000	ug/Kg	136118		11/29/04 2243	bjt
	Aroclor 1254, 3541 Solid*	57	U		7.7	57	1.00000	ug/Kg	136118		11/29/04 2243	bjt
	Aroclor 1260, 3541 Solid*	57	U		22	57	1.00000	ug/Kg	136118		11/29/04 2243	bjt
Method	% Solids Determination											
	% Solids, Solid	55.2			0.10	0.10	1	%	134917		11/19/04 1450	daj
	% Moisture, Solid	44.8			0.10	0.10	1	%	134917		11/19/04 1450	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAF RYAF 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001D-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-7
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Vinyl chloride, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Bromomethane, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Chloroethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,1-Dichloroethene, Solid*	6.2	U		1.6	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Carbon disulfide, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Acetone, Solid*	18	U		5.7	18	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Methylene chloride, Solid*	12	U		3.6	12	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	trans-1,2-Dichloroethene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,1-Dichloroethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	cis-1,2-Dichloroethene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	2-Butanone (MEK), Solid*	18	U		4.8	18	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Bromochloromethane, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Chloroform, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,1,1-Trichloroethane, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Carbon tetrachloride, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Benzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,2-Dichloroethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Trichloroethene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,2-Dichloropropane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Bromodichloromethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	cis-1,3-Dichloropropene, Solid*	6.2	U		1.1	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	12	U		1.2	12	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Toluene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	trans-1,3-Dichloropropene, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,1,2-Trichloroethane, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Tetrachloroethene, Solid*	6.2	U		1.5	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	2-Hexanone, Solid*	12	U		1.4	12	1.00000	ug/Kg	135678		11/29/04 2235	jdj

* In Description = Dry Wgt.

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Job Number: 232119		LABORATORY TEST RESULTS					Date: 12/02/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric ELLIS						
Customer Sample ID: PIRsd-001D-DUP Date Sampled.....: 11/17/2004 Time Sampled.....: 15:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 232119-7 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.2	U		0.97	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,2-Dibromoethane (EDB), Solid*	6.2	U		1.0	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Chlorobenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Ethylbenzene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	m&p-Xylenes, Solid*	12	U		2.8	12	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	o-Xylene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Styrene, Solid*	6.2	U		1.4	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Bromoform, Solid*	6.2	U		0.92	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.2	U		1.2	6.2	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	1,2-Dichloroethene (total), Solid*	12	U		2.6	12	1.00000	ug/Kg	135678		11/29/04 2235	jdj
	Xylenes (total), Solid*	12	U		4.2	12	1.00000	ug/Kg	135678		11/29/04 2235	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-13
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	290	U		12	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	290	U		23	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	290	U		26	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	290	U		24	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Benzyl alcohol, 3541 Low Solid*	1200	U		130	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	120	U		18	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid	290	U		28	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	120	U		23	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Hexachloroethane, 3541 Low Solid*	290	U		15	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid	120	U		21	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2-Chlorophenol, 3541 Low Solid*	290	U		23	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Nitrobenzene, 3541 Low Solid*	57	U		15	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	290	U		24	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Benzoic acid, 3541 Low Solid*	1200	U	*	340	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Isophorone, 3541 Low Solid*	290	U		34	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	570	U		28	570	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Hexachlorobutadiene, 3541 Low Solid*	290	U		16	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Naphthalene, 3541 Low Solid*	57	U		15	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	570	U		27	570	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	4-Chloroaniline, 3541 Low Solid*	1200	U		93	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	290	U		65	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	570	U		77	570	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	1700	U		530	1700	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2-Methylnaphthalene, 3541 Low Solid*	57	U		17	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2-Nitroaniline, 3541 Low Solid*	290	U		19	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2-Chloronaphthalene, 3541 Low Solid*	290	U		27	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-DUP

Date Sampled.....: 11/17/2004

Time Sampled.....: 15:20

Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-13

Date Received.....: 11/19/2004

Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	570	U		60	570	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2-Nitrophenol, 3541 Low Solid*	570	U		25	570	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	3-Nitroaniline, 3541 Low Solid*	1200	U		240	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Dimethyl phthalate, 3541 Low Solid*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	1200	U	*	180	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Acenaphthylene, 3541 Low Solid*	57	U		14	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	57	U		18	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Acenaphthene, 3541 Low Solid*	57	U		14	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Dibenzofuran, 3541 Low Solid*	120	U		15	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	4-Nitrophenol, 3541 Low Solid*	1200	U		370	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Fluorene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	4-Nitroaniline, 3541 Low Solid*	1200	U		78	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	290	U		17	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Hexachlorobenzene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Diethyl phthalate, 3541 Low Solid*	120	U		16	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	290	U		17	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Pentachlorophenol, 3541 Low Solid*	570	U		190	570	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	57	U	*	18	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	1200	U	*	290	1200	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Phenanthrene, 3541 Low Solid*	87	U		26	87	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Anthracene, 3541 Low Solid*	57	U		19	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Carbazole, 3541 Low Solid*	290	U		20	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	290	U		20	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Fluoranthene, 3541 Low Solid*	57	U		19	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Pyrene, 3541 Low Solid*	87	U		21	87	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	120	U		18	120	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Benzo(a)anthracene, 3541 Low Solid*	57	U		17	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Chrysene, 3541 Low Solid*	57	U		18	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/08/2004

CUSTOMER: PKM Engineers, Inc.

PROJECT: USACE RVRAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-13
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	290	U		25	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	290	U		55	290	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	570	U		18	570	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	17	J		15	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Benzo(a)pyrene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	57	U		18	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	57	U		16	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	57	U		19	57	1.00000	ug/Kg	136423		12/02/04 0057	dpk
Method	% Solids Determination											
	% Solids, Solid	55.2			0.10	0.10	1	%	134917		11/19/04 1450	daj
	% Moisture, Solid	44.8			0.10	0.10	1	%	134917		11/19/04 1450	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/07/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: PIRsd-001M-DUP
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 15:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-13
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136326		11/23/04 1009	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136326		11/23/04 1009	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136326		11/23/04 1009	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136326		11/23/04 1009	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136326		11/23/04 1009	san
	2,4,6-TMT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136326		11/23/04 1009	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136326		11/23/04 1009	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136326		11/23/04 1009	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136326		11/23/04 1009	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/23/04 1009	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136326		11/23/04 1009	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136326		11/23/04 1009	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/23/04 1009	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/23/04 1009	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	136341		12/01/04 2023	san

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: PIRsd-001M-DUP

Trace Level Organic Compounds

Lot-Sample #...: G4K190351-003 Work Order #...: GXF2C1AA Matrix.....: SOLID
Date Sampled...: 11/17/04 15:20 Date Received...: 11/19/04
Prep Date.....: 11/29/04 Analysis Date...: 12/01/04
Prep Batch #...: 4334581
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</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: PIRsd-001M-DUP

General Chemistry

Lot-Sample #...: G4K190351-003 Work Order #...: GXF2C Matrix.....: SOLID
Date Sampled...: 11/17/04 15:20 Date Received...: 11/19/04

<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	1.3 B,J	2.0	mg/kg	MCAWW 353.2	11/20-11/24/04	4325110
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 40 mL	
			MDL.....: 0.57			

NOTE(S) :

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

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Job Number: 232119		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: HGM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: PIRsd-002M-SD Date Sampled.....: 11/17/2004 Time Sampled.....: 10:20 Sample Matrix.....: Sediment			Laboratory Sample ID: 232119-12 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	75.6			0.10	0.10	1	%	134917		11/19/04 1446	daj
	% Moisture, Solid	24.4			0.10	0.10	1	%	134917		11/19/04 1446	daj
7041	Antimony (GFAA) Antimony, Solid*	1.8		U	0.56	1.8	1	mg/Kg	135231		11/22/04 2018	daj
7841	Thallium (GFAA) Thallium, Solid*	0.77		U	0.24	0.77	1	mg/Kg	135201		11/23/04 0515	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.016		B	0.0057	0.022	1	mg/Kg	135630		11/29/04 1548	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	2300			1.4	19	1	mg/Kg	135885		12/01/04 1518	tds
	Barium, Solid*	26			0.15	1.2	1	mg/Kg	135885		12/01/04 1518	tds
	Arsenic, Solid*	9.3			0.52	1.9	1	mg/Kg	135885		12/01/04 1518	tds
	Beryllium, Solid*	0.30		B	0.016	0.50	1	mg/Kg	135885		12/01/04 1518	tds
	Cadmium, Solid*	0.31		U	0.031	0.31	1	mg/Kg	136017		12/02/04 1508	tds
	Calcium, Solid*	1500			0.98	12	1	mg/Kg	135885		12/01/04 1518	tds
	Chromium, Solid*	5.7			0.14	1.2	1	mg/Kg	135885		12/01/04 1518	tds
	Cobalt, Solid*	3.6			0.076	0.62	1	mg/Kg	135885		12/01/04 1518	tds
	Copper, Solid*	9.0			0.40	3.7	1	mg/Kg	135885		12/01/04 1518	tds
	Iron, Solid*	13000			4.0	12	1	mg/Kg	135885		12/01/04 1518	tds
	Magnesium, Solid*	950			1.4	12	1	mg/Kg	135885		12/01/04 1518	tds
	Manganese, Solid*	480			0.041	1.2	1	mg/Kg	135885		12/01/04 1518	tds
	Nickel, Solid*	7.2			0.14	1.2	1	mg/Kg	135885		12/01/04 1518	tds
	Lead, Solid*	6.8			0.26	0.62	1	mg/Kg	135885		12/01/04 1518	tds
	Potassium, Solid*	290			5.6	62	1	mg/Kg	135885		12/01/04 1518	tds

* In Description = Dry Wgt.

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

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

Customer Sample ID: PIRsd-002N-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-12
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.9		U	0.62	1.9	1	mg/Kg	135885		12/01/04 1518	tds
	Silver, Solid*	1.2		U	0.14	1.2	1	mg/Kg	135885		12/01/04 1518	tds
	Sodium, Solid*	140		B	110	370	1	mg/Kg	135885		12/01/04 1518	tds
	Vanadium, Solid*	6.0			0.11	1.2	1	mg/Kg	135885		12/01/04 1518	tds
	Zinc, Solid*	39			0.98	2.5	1	mg/Kg	135885		12/01/04 1518	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232119

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Elits

Customer Sample ID: PIRsd-002M-SD
 Date Sampled.....: 11/17/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232119-12
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	136326		11/23/04 0831	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	136326		11/23/04 0831	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	136326		11/23/04 0831	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	136326		11/23/04 0831	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	136326		11/23/04 0831	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	136326		11/23/04 0831	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136326		11/23/04 0831	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	136326		11/23/04 0831	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	136326		11/23/04 0831	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	136326		11/23/04 0831	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	136326		11/23/04 0831	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136326		11/23/04 0831	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136326		11/23/04 0831	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136326		11/23/04 0831	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 01/06/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOC3

ATTN: Eric Ellis

Customer Sample ID: LL5sd-002-SD
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-6
 Date Received.....: 12/11/2004
 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	78.3		0.10	0.10	1	%	136943		12/13/04 2250	clb
	% Moisture, Solid	21.7		0.10	0.10	1	%	136943		12/13/04 2250	clb
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N), Solid*	2.3	U	0.66	2.3	1	mg/Kg	137896		12/22/04 1341	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL5sd-002-SD
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-6
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	78.3			0.10	0.10	1	%	136943		12/13/04 2250	clb
	% Moisture, Solid	21.7			0.10	0.10	1	%	136943		12/13/04 2250	clb
7041	Antimony (GFAA) Antimony, Solid*	1.6		U	0.49	1.6	1	mg/Kg	137113		12/14/04 1933	daj
7841	Thallium (GFAA) Thallium, Solid*	0.67		U	0.21	0.67	1	mg/Kg	137109		12/15/04 0226	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.20			0.0025	0.021	1	mg/Kg	137746		12/20/04 1512	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9900			1.4	18	1	mg/Kg	138142		12/27/04 2253	lmr
	Barium, Solid*	73			0.15	1.2	1	mg/Kg	138142		12/27/04 2253	lmr
	Arsenic, Solid*	14			0.52	1.8	1	mg/Kg	138142		12/27/04 2253	lmr
	Beryllium, Solid*	0.68			0.016	0.49	1	mg/Kg	138142		12/27/04 2253	lmr
	Cadmium, Solid*	1.9			0.031	0.31	1	mg/Kg	138142		12/27/04 2253	lmr
	Calcium, Solid*	5400			0.97	12	1	mg/Kg	138142		12/27/04 2253	lmr
	Chromium, Solid*	20			0.14	1.2	1	mg/Kg	138142		12/27/04 2253	lmr
	Cobalt, Solid*	9.4			0.075	0.62	1	mg/Kg	138142		12/27/04 2253	lmr
	Copper, Solid*	44			0.39	3.7	1	mg/Kg	138142		12/27/04 2253	lmr
	Iron, Solid*	39000			4.0	12	1	mg/Kg	138142		12/27/04 2253	lmr
	Magnesium, Solid*	3200			1.4	12	1	mg/Kg	138142		12/27/04 2253	lmr
	Manganese, Solid*	510			0.041	1.2	1	mg/Kg	138142		12/27/04 2253	lmr
	Nickel, Solid*	24			0.14	1.2	1	mg/Kg	138142		12/27/04 2253	lmr
	Lead, Solid*	35			0.26	1.8	1	mg/Kg	138142		12/27/04 2253	lmr
	Potassium, Solid*	1700			5.5	62	1	mg/Kg	138142		12/27/04 2253	lmr

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL5sd-002-SD Date Sampled.....: 12/10/2004 Time Sampled.....: 15:50 Sample Matrix.....: Sediment			Laboratory Sample ID: 232687-6 Date Received.....: 12/11/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.8	U		0.62	1.8	1	mg/Kg	138142		12/27/04 2253	Lmr
	Silver, Solid*	1.2	U		0.14	1.2	1	mg/Kg	138142		12/27/04 2253	Lmr
	Sodium, Solid*	300	B		110	370	1	mg/Kg	138142		12/27/04 2253	Lmr
	Vanadium, Solid*	32			0.11	1.2	1	mg/Kg	138142		12/27/04 2253	Lmr
	Zinc, Solid*	150			0.97	2.5	1	mg/Kg	138142		12/27/04 2253	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL5sd-002-SD
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-6
 Date Received.....: 12/11/2004
 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	0.99	U		0.28	0.99	5.00000	mg/Kg	138116		12/16/04 2056	san
	RDX, Solid	0.99	U		0.31	0.99	5.00000	mg/Kg	138116		12/16/04 2056	san
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	138116		12/16/04 2056	san
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	138116		12/16/04 2056	san
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	138116		12/16/04 2056	san
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	138116		12/16/04 2056	san
	Tetryl, Solid	2.0	U		0.60	2.0	5.00000	mg/Kg	138116		12/16/04 2056	san
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	138116		12/16/04 2056	san
	2,6-Dinitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	138116		12/16/04 2056	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.99	U		0.23	0.99	5.00000	mg/Kg	138116		12/16/04 2056	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	138116		12/16/04 2056	san
	2-Nitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	138116		12/16/04 2056	san
	4-Nitrotoluene, Solid	0.99	U		0.25	0.99	5.00000	mg/Kg	138116		12/16/04 2056	san
	3-Nitrotoluene, Solid	0.99	U		0.26	0.99	5.00000	mg/Kg	138116		12/16/04 2056	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 01/06/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGGS

ATTN: Eric Ellis

Customer Sample ID: LL5sd-002-DUP
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-7
 Date Received.....: 12/11/2004
 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	79.6			0.10	0.10	1	%	136943		12/13/04 2259	clb
	% Moisture, Solid	20.4			0.10	0.10	1	%	136943		12/13/04 2259	clb
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N), Solid*	2.4		U	0.67	2.4	1	mg/Kg	137896		12/22/04 1344	kd

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS							Date: 12/28/2004			
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Elliot					
Customer Sample ID: LL5sd-002-DUP Date Sampled.....: 12/10/2004 Time Sampled.....: 15:50 Sample Matrix.....: Sediment			Laboratory Sample ID: 232687-7 Date Received.....: 12/11/2004 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	79.6			0.10	0.10	1	%	136943		12/13/04 2259	clb
	% Moisture, Solid	20.4			0.10	0.10	1	%	136943		12/13/04 2259	clb
7041	Antimony (GFAA) Antimony, Solid*	1.5		U	0.48	1.5	1	mg/Kg	137113		12/14/04 2009	daj
7841	Thallium (GFAA) Thallium, Solid*	0.66		U	0.21	0.66	1	mg/Kg	137109		12/15/04 0316	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.29			0.0024	0.021	1	mg/Kg	137746		12/20/04 1519	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9100			1.3	18	1	mg/Kg	138142		12/27/04 2350	lmr
	Barium, Solid*	72			0.14	1.2	1	mg/Kg	138142		12/27/04 2350	lmr
	Arsenic, Solid*	14			0.49	1.8	1	mg/Kg	138142		12/27/04 2350	lmr
	Beryllium, Solid*	0.63			0.015	0.47	1	mg/Kg	138142		12/27/04 2350	lmr
	Cadmium, Solid*	1.6			0.029	0.29	1	mg/Kg	138142		12/27/04 2350	lmr
	Calcium, Solid*	3900			0.92	12	1	mg/Kg	138142		12/27/04 2350	lmr
	Chromium, Solid*	19			0.13	1.2	1	mg/Kg	138142		12/27/04 2350	lmr
	Cobalt, Solid*	9.0			0.071	0.59	1	mg/Kg	138142		12/27/04 2350	lmr
	Copper, Solid*	59			0.57	3.5	1	mg/Kg	138142		12/27/04 2350	lmr
	Iron, Solid*	43000			3.8	12	1	mg/Kg	138142		12/27/04 2350	lmr
	Magnesium, Solid*	2700			1.3	12	1	mg/Kg	138142		12/27/04 2350	lmr
	Manganese, Solid*	530			0.039	1.2	1	mg/Kg	138142		12/27/04 2350	lmr
	Nickel, Solid*	23			0.13	1.2	1	mg/Kg	138142		12/27/04 2350	lmr
	Lead, Solid*	36			0.25	1.8	1	mg/Kg	138142		12/27/04 2350	lmr
	Potassium, Solid*	1500			5.3	59	1	mg/Kg	138142		12/27/04 2350	lmr

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOGS				ATTN: Eric Ellis					
Customer Sample ID: LL5sd-002-DUP Date Sampled.....: 12/10/2004 Time Sampled.....: 15:50 Sample Matrix.....: Sediment			Laboratory Sample ID: 232687-7 Date Received.....: 12/11/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.8	U		0.59	1.8	1	mg/Kg	138142		12/27/04 2350	Lmr
	Silver, Solid*	1.2	U		0.13	1.2	1	mg/Kg	138142		12/27/04 2350	Lmr
	Sodium, Solid*	280	B		100	350	1	mg/Kg	138142		12/27/04 2350	Lmr
	Vanadium, Solid*	29			0.11	1.2	1	mg/Kg	138142		12/27/04 2350	Lmr
	Zinc, Solid*	140			0.92	2.3	1	mg/Kg	138142		12/27/04 2350	Lmr

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: 1L5sd-002-DUP Date Sampled.....: 12/10/2004 Time Sampled.....: 15:50 Sample Matrix.....: Sediment			Laboratory Sample ID: 232687-7 Date Received.....: 12/11/2004 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	1.0	U		0.28	1.0	5.00000	mg/Kg	138116		12/16/04 2233	san
	RDX, Solid	1.0	U		0.31	1.0	5.00000	mg/Kg	138116		12/16/04 2233	san
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	138116		12/16/04 2233	san
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	138116		12/16/04 2233	san
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	138116		12/16/04 2233	san
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	138116		12/16/04 2233	san
	Tetryl, Solid	2.0	U		0.61	2.0	5.00000	mg/Kg	138116		12/16/04 2233	san
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	138116		12/16/04 2233	san
	2,6-Dinitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	138116		12/16/04 2233	san
	2-Amino-4,6-Dinitrotoluene, Solid	1.0	U		0.23	1.0	5.00000	mg/Kg	138116		12/16/04 2233	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	138116		12/16/04 2233	san
	2-Nitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	138116		12/16/04 2233	san
	4-Nitrotoluene, Solid	1.0	U		0.25	1.0	5.00000	mg/Kg	138116		12/16/04 2233	san
	3-Nitrotoluene, Solid	1.0	U		0.27	1.0	5.00000	mg/Kg	138116		12/16/04 2233	san

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP TA AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL5sd-013-SD Date Sampled.....: 11/18/2004 Time Sampled.....: 10:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232120-10 Date Received.....: 11/19/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	27.5			0.10	0.10	1	%	135000		11/21/04 1331	clb
	% Moisture, Solid	72.5			0.10	0.10	1	%	135000		11/21/04 1331	clb
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N), Solid*	4.4		B	2.0	7.1	1	mg/Kg	135715		11/30/04 1206	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232120

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL5sd-013-SD
 Date Sampled.....: 11/18/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232120-10
 Date Received.....: 11/19/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	27.5			0.10	0.10	1	%	135000		11/21/04 1331	clb
	% Moisture, Solid	72.5			0.10	0.10	1	%	135000		11/21/04 1331	clb
7041	Antimony (GFAA) Antimony, Solid*	3.1		B	1.6	4.9	1	mg/Kg	135375		11/23/04 1318	daj
7841	Thallium (GFAA) Thallium, Solid*	2.1		U	0.67	2.1	1	mg/Kg	135426		11/24/04 0038	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	1.9			0.014	0.12	2	mg/Kg	135872		11/30/04 1645	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4600			7.8	49	1	mg/Kg	135750		11/30/04 1801	tds
	Barium, Solid*	220			0.52	3.3	1	mg/Kg	135750		11/30/04 1801	tds
	Arsenic, Solid*	180			1.7	4.9	1	mg/Kg	135750		11/30/04 1801	tds
	Beryllium, Solid*	0.68		B	0.14	1.3	1	mg/Kg	135750		11/30/04 1801	tds
	Cadmium, Solid*	6.4			0.26	0.82	1	mg/Kg	135750		11/30/04 1801	tds
	Calcium, Solid*	14000			10	33	1	mg/Kg	135750		11/30/04 1801	tds
	Chromium, Solid*	130			0.72	3.3	1	mg/Kg	135750		11/30/04 1801	tds
	Cobalt, Solid*	8.1			0.46	1.6	1	mg/Kg	135750		11/30/04 1801	tds
	Copper, Solid*	340			2.9	9.8	1	mg/Kg	135750		11/30/04 1801	tds
	Iron, Solid*	100000			9.8	33	1	mg/Kg	135750		11/30/04 1801	tds
	Magnesium, Solid*	1900			5.6	33	1	mg/Kg	135750		11/30/04 1801	tds
	Manganese, Solid*	1000			0.43	3.3	1	mg/Kg	135750		11/30/04 1801	tds
	Nickel, Solid*	33			0.82	3.3	1	mg/Kg	135750		11/30/04 1801	tds
Lead, Solid*	1500			1.4	4.9	1	mg/Kg	135750		11/30/04 1801	tds	
Potassium, Solid*	1000			45	160	1	mg/Kg	135750		11/30/04 1801	tds	

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/03/2004			
CUSTOMER: HQ Engineers, Inc.			PROJECT: USACE RVAMP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL5sd-013-SD Date Sampled.....: 11/18/2004 Time Sampled.....: 10:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232120-10 Date Received.....: 11/19/2004 Time Received.....: 09:15								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.5	B	1.3	4.9	1	mg/Kg	135750		11/30/04 1801	tds
	Silver, Solid*	3.3	U	1.0	3.3	1	mg/Kg	135750		11/30/04 1801	tds
	Sodium, Solid*	730	B	280	980	1	mg/Kg	135750		11/30/04 1801	tds
	Vanadium, Solid*	16		0.69	3.3	1	mg/Kg	135750		11/30/04 1801	tds
	Zinc, Solid*	1700		1.3	6.5	1	mg/Kg	135750		11/30/04 1801	tds

* In Description = Dry Wgt.

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Job Number: 232120		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL5sd-013-SD Date Sampled: 11/18/2004 Time Sampled: 10:45 Sample Matrix: Sediment			Laboratory Sample ID: 232120-10 Date Received: 11/19/2004 Time Received: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135964		11/29/04 2324	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135964		11/29/04 2324	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	135964		11/29/04 2324	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135964		11/29/04 2324	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135964		11/29/04 2324	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	135964		11/29/04 2324	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135964		11/29/04 2324	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135964		11/29/04 2324	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135964		11/29/04 2324	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135964		11/29/04 2324	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135964		11/29/04 2324	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135964		11/29/04 2324	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135964		11/29/04 2324	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135964		11/29/04 2324	san

* In Description = Dry Wgt.

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Job Number: 231877		LABORATORY TEST RESULTS						Date: 12/02/2004			
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL7sd-012M-S0 Date Sampled.....: 11/10/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment		Laboratory Sample ID: 231877-27 Date Received.....: 11/11/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	76.0		0.10	0.10	1	%	133996		11/11/04 1345	daj
	% Solids, Solid	24.0		0.10	0.10	1	%	133996		11/11/04 1345	daj
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N), Solid*	1.2	B	0.72	2.5	1	mg/Kg	135424		11/23/04 1635	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877 Date: 11/29/2004

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

Customer Sample ID: LL7sd-012M-S0 Laboratory Sample ID: 231877-27
 Date Sampled.....: 11/10/2004 Date Received.....: 11/11/2004
 Time Sampled.....: 13:40 Time Received.....: 10:00
 Sample Matrix.....: Sediment

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	%	133996		11/11/04 1345	daj
	% Moisture, Solid	24.0			0.10	0.10	1	%	133996		11/11/04 1345	daj
7041	Antimony (GFAA) Antimony, Solid*	1.6	U		0.50	1.6	1	mg/Kg	134864		11/18/04 2231	daj
7841	Thallium (GFAA) Thallium, Solid*	0.69	U		0.22	0.69	1	mg/Kg	134716		11/17/04 2231	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.024			0.0057	0.022	1	mg/Kg	135018		11/18/04 1510	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			3.1	19	1	mg/Kg	135366		11/23/04 1716	tds
	Barium, Solid*	160			0.18	1.1	1	mg/Kg	135030		11/20/04 1725	lmr
	Arsenic, Solid*	8.4			0.56	1.6	1	mg/Kg	135030		11/20/04 1725	lmr
	Beryllium, Solid*	2.0			0.048	0.44	1	mg/Kg	135030		11/20/04 1725	lmr
	Cadmium, Solid*	5.5			0.088	0.27	1	mg/Kg	135030		11/20/04 1725	lmr
	Calcium, Solid*	41000			3.4	11	1	mg/Kg	135030		11/20/04 1725	lmr
	Chromium, Solid*	27			0.24	1.1	1	mg/Kg	135030		11/20/04 1725	lmr
	Cobalt, Solid*	5.0			0.15	0.55	1	mg/Kg	135030		11/20/04 1725	lmr
	Copper, Solid*	51			1.2	3.9	1	mg/Kg	135366		11/23/04 1716	tds
	Iron, Solid*	34000			3.3	11	1	mg/Kg	135030		11/20/04 1725	lmr
	Magnesium, Solid*	8300			1.9	11	1	mg/Kg	135030		11/20/04 1725	lmr
	Manganese, Solid*	1200			0.14	1.1	1	mg/Kg	135030		11/20/04 1725	lmr
	Nickel, Solid*	17			0.27	1.1	1	mg/Kg	135030		11/20/04 1725	lmr
	Lead, Solid*	540			0.47	1.6	1	mg/Kg	135030		11/20/04 1725	lmr
	Potassium, Solid*	1200			18	64	1	mg/Kg	135366		11/23/04 1716	tds

* In Description = Dry Wgt.

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Job Number: 231877		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOC5				ATTN: Eric Ellis					
Customer Sample ID: LL7sd-012N-S0 Date Sampled.....: 11/10/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231877-27 Date Received.....: 11/11/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.5	B		0.52	1.9	1	mg/Kg	135366		11/23/04 1716	tds
	Silver, Solid*	1.1	U		0.34	1.1	1	mg/Kg	135030		11/20/04 1725	lmr
	Sodium, Solid*	1400			110	390	1	mg/Kg	135366		11/23/04 1716	tds
	Vanadium, Solid*	12			0.23	1.1	1	mg/Kg	135030		11/20/04 1725	lmr
	Zinc, Solid*	750			0.44	2.2	1	mg/Kg	135030		11/20/04 1725	lmr

* In Description = Dry Wgt.

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Job Number: 231877		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL7sd-012M-SO Date Sampled.....: 11/10/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231877-27 Date Received.....: 11/11/2004 Time Received.....: 10:00									
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	135440		11/18/04 0351	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	2,4,6-TMT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135440		11/18/04 0351	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135440		11/18/04 0351	bdw
3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135440		11/18/04 0351	bdw	
8332M	NG/PETN by 8332M (HPLC) Nitroglycerine, Solid	0.49	U		0.12	0.49	1.00000	mg/Kg	135466		11/19/04 1711	bdw

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: LL7sd-012M-SD

Trace Level Organic Compounds

Lot-Sample #...: G4K110359-010 Work Order #...: GWRWA1AA Matrix.....: SOLID
Date Sampled...: 11/10/04 13:40 Date Received...: 11/11/04
Prep Date.....: 11/19/04 Analysis Date...: 11/20/04
Prep Batch #...: 4322550
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/HPLC per

STL CHICAGO

Client Sample ID: LL7sd-012M-SD

General Chemistry

Lot-Sample #....: G4K110359-010 Work Order #....: GWRWA Matrix.....: SOLID
Date Sampled....: 11/10/04 13:40 Date Received...: 11/11/04

<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	2.2 J	2.0	mg/kg	MCAWW 353.2	11/20-11/24/04	4325110
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 40 mL	
			MDL.....: 0.57			

NOTE(S) :

RL Reporting Limit

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

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TEST METHOD		PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method		% Solids Determination	75.1			0.10	0.10	1	%	133996		11/11/04 1342	daj
		% Solids, Solid	24.9			0.10	0.10	1	%	133996		11/11/04 1342	daj
353.2		Nitrogen, NO2, NO3 (Auto Ed Red.) Nitrate as N (NO3-N), Solid*	2.6	U		0.75	2.6	1	mg/Kg	135424		11/23/04 1634	kd

* In Description = Dry Wgt.

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Job Number: 231877		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RWAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL7sd-012M-DUP Date Sampled.....: 11/10/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231877-26 Date Received.....: 11/11/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	75.1			0.10	0.10	1	%	133996		11/11/04 1342	daj
	% Moisture, Solid	24.9			0.10	0.10	1	%	133996		11/11/04 1342	daj
7041	Antimony (GFAA) Antimony, Solid*	1.6		U	0.52	1.6	1	mg/Kg	134864		11/18/04 2219	daj
7841	Thallium (GFAA) Thallium, Solid*	0.70		U	0.22	0.70	1	mg/Kg	134716		11/17/04 2218	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.023			0.0057	0.022	1	mg/Kg	135018		11/18/04 1508	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	18000			3.0	19	1	mg/Kg	135366		11/23/04 1709	tds
	Barium, Solid*	180			0.18	1.1	1	mg/Kg	135030		11/20/04 1719	lmr
	Arsenic, Solid*	7.5			0.57	1.7	1	mg/Kg	135030		11/20/04 1719	lmr
	Beryllium, Solid*	2.7			0.049	0.45	1	mg/Kg	135030		11/20/04 1719	lmr
	Cadmium, Solid*	4.4			0.089	0.28	1	mg/Kg	135030		11/20/04 1719	lmr
	Calcium, Solid*	69000			3.5	11	1	mg/Kg	135030		11/20/04 1719	lmr
	Chromium, Solid*	21			0.25	1.1	1	mg/Kg	135030		11/20/04 1719	lme
	Cobalt, Solid*	3.7			0.16	0.56	1	mg/Kg	135030		11/20/04 1719	lme
	Copper, Solid*	37			1.1	3.8	1	mg/Kg	135366		11/23/04 1709	tds
	Iron, Solid*	22000			3.5	11	1	mg/Kg	135030		11/20/04 1719	lmr
	Magnesium, Solid*	12000			1.9	11	1	mg/Kg	135030		11/20/04 1719	lmr
	Manganese, Solid*	1900			0.14	1.1	1	mg/Kg	135030		11/20/04 1719	lmr
	Nickel, Solid*	12			0.28	1.1	1	mg/Kg	135030		11/20/04 1719	lmr
	Lead, Solid*	370			0.48	1.7	1	mg/Kg	135030		11/20/04 1719	lmr
	Potassium, Solid*	1300			17	63	1	mg/Kg	135366		11/23/04 1709	tds

* In Description = Dry Wgt.

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Job Number: 231877		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKK Engineers, Inc.			PROJECT: USAGE RYAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL7sd-012M-DUP Date Sampled.....: 11/10/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231877-26 Date Received.....: 11/11/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	Selenium, Solid*	1.4	B	0.50	1.9	1	mg/Kg	135366		11/23/04 1709	tds	
	Silver, Solid*	1.1	U	0.35	1.1	1	mg/Kg	135030		11/20/04 1719	lmr	
	Sodium, Solid*	700		110	380	1	mg/Kg	135366		11/23/04 1709	tds	
	Vanadium, Solid*	10		0.23	1.1	1	mg/Kg	135030		11/20/04 1719	lmr	
	Zinc, Solid*	680		0.45	2.2	1	mg/Kg	135030		11/20/04 1719	lmr	

* In Description = Dry Wgt.

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Job Number: 231877		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL7sd-012M-DUP Date Sampled.....: 11/10/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231877-26 Date Received.....: 11/11/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.055	0.20	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	135440		11/18/04 0318	bdw
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135440		11/18/04 0318	bdw
3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	135440		11/18/04 0318	bdw	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	135466		11/19/04 1636	bdw	

Max
12-6-04

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LL7sd-012M-DUP

Trace Level Organic Compounds

Lot-Sample #....: G4K110359-009 Work Order #....: GWRV91AA
Date Sampled....: 11/10/04 13:40 Date Received...: 11/11/04
Prep Date.....: 11/19/04 Analysis Date...: 11/20/04
Prep Batch #....: 4322550
Dilution Factor: 1 Initial Wgt/Vol: 2 g

Matrix.....: SOLID

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/HPLC per

STL CHICAGO

Client Sample ID: LL7sd-012M-DUP

General Chemistry

Lot-Sample #...: G4K110359-009 Work Order #...: GWRV9 Matrix.....: SOLID
Date Sampled...: 11/10/04 13:40 Date Received...: 11/11/04

<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	2.4 J	2.0	mg/kg	MCAWW 353.2	11/20-11/24/04	4325110
			Dilution Factor: 1	Initial Wgt/Vol: 10 g		Final Wgt/Vol...: 40 mL
			MDL.....: 0.57			

NOTE(S) :

RL Reporting Limit
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: 231877								Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL7sd-029M-SD Date Sampled.....: 11/09/2004 Time Sampled.....: 09:30 Sample Matrix.....: Sediment						Laboratory Sample ID: 231877-13 Date Received.....: 11/11/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	22.3			0.10	0.10	1	%	134212		11/13/04 1143	daj
	% Solids, Solid				0.10	0.10	1	%	134212		11/13/04 1143	daj
	% Moisture, Solid	77.7										
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N), Solid*	9.0		U	2.6	9.0	1	mg/Kg	135424		11/23/04 1630	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877 Date: 11/29/2004

CUSTOMER: NKM Engineers, Inc. PROJECT: USACE RVMAP 14 AQCS ATTN: Eric Ellis

Customer Sample ID: LL7sd-029M-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231877-13
 Date Received.....: 11/11/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	22.3			0.10	0.10	1	%	134212		11/13/04 1143	daj
	% Solids, Solid				0.10	0.10	1	%	134212		11/13/04 1143	daj
	% Moisture, Solid	77.7										
7041	Antimony (GFAA) Antimony, Solid*	5.3		U	1.7	5.3	1	mg/Kg	134864		11/19/04 0349	daj
7841	Thallium (GFAA) Thallium, Solid*	2.3		U	0.72	2.3	1	mg/Kg	134716		11/18/04 0333	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033		B	0.019	0.074	1	mg/Kg	135018		11/18/04 1606	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6800			10	64	1	mg/Kg	135060		11/21/04 2321	tds
	Barium, Solid*	89			0.69	4.3	1	mg/Kg	135030		11/20/04 1424	Lmr
	Arsenic, Solid*	13			2.2	6.4	1	mg/Kg	135030		11/20/04 1424	Lmr
	Beryllium, Solid*	0.86		B	0.19	1.7	1	mg/Kg	135030		11/20/04 1424	Lmr
	Cadmium, Solid*	0.94		B	0.34	1.1	1	mg/Kg	135030		11/20/04 1424	Lmr
	Calcium, Solid*	8200			13	43	1	mg/Kg	135030		11/20/04 1424	Lmr
	Chromium, Solid*	12			0.94	4.3	1	mg/Kg	135030		11/20/04 1424	Lmr
	Cobalt, Solid*	7.3			0.60	2.1	1	mg/Kg	135030		11/20/04 1424	Lmr
	Copper, Solid*	25			3.9	13	1	mg/Kg	135060		11/21/04 2321	tds
	Iron, Solid*	20000			13	43	1	mg/Kg	135030		11/20/04 1424	Lmr
	Magnesium, Solid*	2200			7.3	43	1	mg/Kg	135030		11/20/04 1424	Lmr
	Manganese, Solid*	740			0.56	4.3	1	mg/Kg	135030		11/20/04 1424	Lmr
	Nickel, Solid*	20			1.1	4.3	1	mg/Kg	135030		11/20/04 1424	Lmr
	Lead, Solid*	31			1.8	6.4	1	mg/Kg	135030		11/20/04 1424	Lmr
Potassium, Solid*	1100			59	210	1	mg/Kg	135060		11/21/04 2321	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877 Date: 11/29/2004

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

Customer Sample ID: LL7sd-029M-SD Laboratory Sample ID: 231877-13
 Date Sampled.....: 11/09/2004 Date Received.....: 11/11/2004
 Time Sampled.....: 09:30 Time Received.....: 10:00
 Sample Matrix.....: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QC	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.5		B	1.7	6.4	1	mg/Kg	135030		11/20/04 1424	lmr
	Silver, Solid*	4.3		U	1.3	4.3	1	mg/Kg	135030		11/20/04 1424	lmr
	Sodium, Solid*	1300		U	370	1300	1	mg/Kg	135060		11/21/04 2321	tds
	Vanadium, Solid*	17			0.90	4.3	1	mg/Kg	135030		11/20/04 1424	lmr
	Zinc, Solid*	260			1.7	8.6	1	mg/Kg	135030		11/20/04 1424	lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231877 Date: 11/24/2004

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

Customer Sample ID: LL7sd-029M-SD
 Date Sampled.....: 11/09/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231877-13
 Date Received.....: 11/11/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX, Solid	0.20	U	0.056	0.20	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	RDX, Solid	0.20	U	0.062	0.20	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U	0.033	0.099	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	1,3-Dinitrobenzene, Solid	0.099	U	0.023	0.099	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	Nitrobenzene, Solid	0.099	U	0.021	0.099	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	2,4,6-TNT, Solid	0.099	U	0.024	0.099	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	Tetryl, Solid	0.40	U	0.12	0.40	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	2,4-Dinitrotoluene, Solid	0.099	U	0.025	0.099	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	2,6-Dinitrotoluene, Solid	0.20	U	0.048	0.20	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U	0.045	0.20	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U	0.093	0.30	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	2-Nitrotoluene, Solid	0.20	U	0.047	0.20	1.00000	mg/Kg	135429		11/17/04 1309	bdw
	4-Nitrotoluene, Solid	0.20	U	0.050	0.20	1.00000	mg/Kg	135429		11/17/04 1309	bdw
3-Nitrotoluene, Solid	0.20	U	0.053	0.20	1.00000	mg/Kg	135429		11/17/04 1309	bdw	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-10
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	80.5			0.10	0.10	1	%	136655		12/09/04 1425	daj
	% Moisture, Solid	19.5			0.10	0.10	1	%	136655		12/09/04 1425	daj
7041	Antimony (GFAA) Antimony, Solid*	1.3		U	0.39	1.3	1	mg/Kg	137113		12/14/04 1405	daj
7841	Thallium (GFAA) Thallium, Solid*	0.54		U	0.17	0.54	1	mg/Kg	137109		12/14/04 2358	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.047			0.0024	0.020	1	mg/Kg	137477		12/17/04 1441	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6300			1.3	17	1	mg/Kg	137670		12/21/04 0406	tds
	Barium, Solid*	54			0.14	1.1	1	mg/Kg	137670		12/21/04 0406	tds
	Arsenic, Solid*	15			0.47	1.7	1	mg/Kg	137670		12/21/04 0406	tds
	Beryllium, Solid*	0.89			0.015	0.45	1	mg/Kg	137670		12/21/04 0406	tds
	Cadmium, Solid*	0.28		U	0.028	0.28	1	mg/Kg	137830		12/21/04 1716	tds
	Calcium, Solid*	24000			0.89	11	1	mg/Kg	137670		12/21/04 0406	tds
	Chromium, Solid*	22			0.12	1.1	1	mg/Kg	137670		12/21/04 0406	tds
	Cobalt, Solid*	11			0.069	0.56	1	mg/Kg	137670		12/21/04 0406	tds
	Copper, Solid*	63			0.36	3.4	1	mg/Kg	137670		12/21/04 0406	tds
	Iron, Solid*	41000			3.7	11	1	mg/Kg	137670		12/21/04 0406	tds
	Magnesium, Solid*	3600			1.3	11	1	mg/Kg	137670		12/21/04 0406	tds
	Manganese, Solid*	800			0.037	1.1	1	mg/Kg	137670		12/21/04 0406	tds
	Nickel, Solid*	23			0.12	1.1	1	mg/Kg	137670		12/21/04 0406	tds
	Lead, Solid*	110			0.24	1.7	1	mg/Kg	137670		12/21/04 0406	tds
	Potassium, Solid*	630			5.1	56	1	mg/Kg	137670		12/21/04 0406	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-10
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.7		U	0.56	1.7	1	mg/Kg	137670		12/21/04 0406	tds
	Silver, Solid*	1.1		U	0.12	1.1	1	mg/Kg	137670		12/21/04 0406	tds
	Sodium, Solid*	440			97	340	1	mg/Kg	137670		12/21/04 0406	tds
	Vanadium, Solid*	15			0.10	1.1	1	mg/Kg	137670		12/21/04 0406	tds
	Zinc, Solid*	89			0.89	2.3	1	mg/Kg	137670		12/21/04 0406	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-10
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137892		12/21/04 2232	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	137892		12/21/04 2232	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	137892		12/21/04 2232	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	137892		12/21/04 2232	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	137892		12/21/04 2232	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	137892		12/21/04 2232	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	137892		12/21/04 2232	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	137892		12/21/04 2232	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137892		12/21/04 2232	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137892		12/21/04 2232	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	137892		12/21/04 2232	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	137892		12/21/04 2232	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137892		12/21/04 2232	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137892		12/21/04 2232	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-005-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-11
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	42.6		0.10	0.10	1	%	136655		12/09/04 1428	daj
	% Moisture, Solid	57.4		0.10	0.10	1	%	136655		12/09/04 1428	daj
7041	Antimony (GFAA) Antimony, Solid*	1.1	B	1.0	3.2	1	mg/Kg	137113		12/14/04 1418	daj
7841	Thallium (GFAA) Thallium, Solid*	1.4	U	0.44	1.4	1	mg/Kg	137109		12/15/04 0010	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.60		0.0046	0.039	1	mg/Kg	137477		12/17/04 1443	gek
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	4000		2.4	31	1	mg/Kg	137670		12/21/04 0438	tds
	Barium, Solid*	680		0.25	2.1	1	mg/Kg	137670		12/21/04 0438	tds
	Arsenic, Solid*	56		0.87	3.1	1	mg/Kg	137670		12/21/04 0438	tds
	Beryllium, Solid*	0.63	B	0.027	0.83	1	mg/Kg	137670		12/21/04 0438	tds
	Cadmium, Solid*	0.52	U	0.052	0.52	1	mg/Kg	137830		12/21/04 1722	tds
	Calcium, Solid*	12000		1.6	21	1	mg/Kg	137670		12/21/04 0438	tds
	Chromium, Solid*	18		0.23	2.1	1	mg/Kg	137670		12/21/04 0438	tds
	Cobalt, Solid*	19		0.13	1.0	1	mg/Kg	137670		12/21/04 0438	tds
	Copper, Solid*	52		0.67	6.2	1	mg/Kg	137670		12/21/04 0438	tds
	Iron, Solid*	150000		6.8	21	1	mg/Kg	137670		12/21/04 0438	tds
	Magnesium, Solid*	1400		2.3	21	1	mg/Kg	137670		12/21/04 0438	tds
	Manganese, Solid*	30000		1.7	52	25	mg/Kg	137830		12/21/04 1728	tds
	Nickel, Solid*	26		0.23	2.1	1	mg/Kg	137670		12/21/04 0438	tds
	Lead, Solid*	42		0.44	3.1	1	mg/Kg	137670		12/21/04 0438	tds
	Potassium, Solid*	520		9.4	100	1	mg/Kg	137670		12/21/04 0438	tds

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-005-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 09:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 232603-11 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.1	B		1.0	3.1	1	mg/Kg	137670		12/21/04 0438	tds
	Silver, Solid*	1.1	B		0.23	2.1	1	mg/Kg	137670		12/21/04 0438	tds
	Sodium, Solid*	590	B		180	620	1	mg/Kg	137670		12/21/04 0438	tds
	Vanadium, Solid*	29			0.19	2.1	1	mg/Kg	137670		12/21/04 0438	tds
	Zinc, Solid*	360			1.6	4.2	1	mg/Kg	137670		12/21/04 0438	tds

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-005-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 09:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 232603-11 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137892		12/22/04 1048	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	137892		12/22/04 1048	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	137892		12/22/04 1048	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	137892		12/22/04 1048	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	137892		12/22/04 1048	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	137892		12/22/04 1048	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137892		12/22/04 1048	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	137892		12/22/04 1048	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137892		12/22/04 1048	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.34	U		0.045	0.20	1.00000	mg/Kg	137892		12/22/04 1048	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	137892		12/22/04 1048	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	137892		12/22/04 1048	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137892		12/22/04 1048	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137892		12/22/04 1048	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-007-SD
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-6
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	57.8			0.10	0.10	1	%	136743		12/10/04 1223	daj
	% Moisture, Solid	42.2			0.10	0.10	1	%	136743		12/10/04 1223	daj
7041	Antimony (GFAA)											
	Antimony, Solid*	1.6		U	0.49	1.6	1	mg/Kg	137113		12/14/04 1744	daj
7841	Thallium (GFAA)											
	Thallium, Solid*	0.67		U	0.21	0.67	1	mg/Kg	137109		12/15/04 0034	daj
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.17			0.0034	0.029	1	mg/Kg	137777		12/21/04 1549	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4500			1.3	17	1	mg/Kg	137670		12/21/04 0451	tds
	Barium, Solid*	100			0.14	1.1	1	mg/Kg	137670		12/21/04 0451	tds
	Arsenic, Solid*	13			0.47	1.7	1	mg/Kg	137670		12/21/04 0451	tds
	Beryllium, Solid*	0.48			0.015	0.45	1	mg/Kg	137670		12/21/04 0451	tds
	Cadmium, Solid*	0.28			0.028	0.28	1	mg/Kg	137830		12/21/04 1743	tds
	Calcium, Solid*	1900		U	0.89	11	1	mg/Kg	137670		12/21/04 0451	tds
	Chromium, Solid*	7.9			0.12	1.1	1	mg/Kg	137670		12/21/04 0451	tds
	Cobalt, Solid*	12			0.069	0.56	1	mg/Kg	137670		12/21/04 0451	tds
	Copper, Solid*	12			0.36	3.4	1	mg/Kg	137670		12/21/04 0451	tds
	Iron, Solid*	21000			3.7	11	1	mg/Kg	137670		12/21/04 0451	tds
	Magnesium, Solid*	1100			1.3	11	1	mg/Kg	137670		12/21/04 0451	tds
	Manganese, Solid*	1400			0.037	1.1	1	mg/Kg	137830		12/21/04 1743	tds
	Nickel, Solid*	12			0.12	1.1	1	mg/Kg	137670		12/21/04 0451	tds
	Lead, Solid*	19			0.24	1.7	1	mg/Kg	137670		12/21/04 0451	tds
	Potassium, Solid*	480			5.1	56	1	mg/Kg	137670		12/21/04 0451	tds

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-007-SD Date Sampled.....: 12/09/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232642-6 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.7		U	0.56	1.7	1	mg/Kg	137670		12/21/04 0451	tds
	Silver, Solid*	1.1		U	0.12	1.1	1	mg/Kg	137670		12/21/04 0451	tds
	Sodium, Solid*	190		B	97	340	1	mg/Kg	137670		12/21/04 0451	tds
	Vanadium, Solid*	13			0.10	1.1	1	mg/Kg	137670		12/21/04 0451	tds
	Zinc, Solid*	110			0.89	2.3	1	mg/Kg	137670		12/21/04 0451	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 A0ES

ATTN: Eric Ellis

Customer Sample ID: LL8sd-007-S0
Date Sampled.....: 12/09/2004
Time Sampled.....: 10:30
Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-6
Date Received.....: 12/10/2004
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137976		12/16/04 0354	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	137976		12/16/04 0354	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	137976		12/16/04 0354	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	137976		12/16/04 0354	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	137976		12/16/04 0354	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137976		12/16/04 0354	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137976		12/16/04 0354	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	137976		12/16/04 0354	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	137976		12/16/04 0354	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137976		12/16/04 0354	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	137976		12/16/04 0354	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137976		12/16/04 0354	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137976		12/16/04 0354	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137976		12/16/04 0354	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-007-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-7
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	59.7			0.10	0.10	1	%	136743		12/10/04 1225	daj
	% Moisture, Solid	40.3			0.10	0.10	1	%	136743		12/10/04 1225	daj
7041	Antimony (GFAA)											
	Antimony, Solid*	1.7		U	0.54	1.7	1	mg/Kg	137113		12/14/04 1756	daj
7841	Thallium (GFAA)											
	Thallium, Solid*	0.74		U	0.23	0.74	1	mg/Kg	137109		12/15/04 0059	daj
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.071			0.0033	0.028	1	mg/Kg	137777		12/21/04 1552	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4300			1.4	19	1	mg/Kg	137670		12/21/04 0457	tds
	Barium, Solid*	60			0.15	1.3	1	mg/Kg	137670		12/21/04 0457	tds
	Arsenic, Solid*	8.2			0.53	1.9	1	mg/Kg	137670		12/21/04 0457	tds
	Beryllium, Solid*	0.55			0.016	0.50	1	mg/Kg	137670		12/21/04 0457	tds
	Cadmium, Solid*	0.31		U	0.031	0.31	1	mg/Kg	137830		12/21/04 1815	tds
	Calcium, Solid*	2200			0.99	13	1	mg/Kg	137670		12/21/04 0457	tds
	Chromium, Solid*	8.5			0.14	1.3	1	mg/Kg	137670		12/21/04 0457	tds
	Cobalt, Solid*	9.4			0.077	0.63	1	mg/Kg	137670		12/21/04 0457	tds
	Copper, Solid*	11			0.40	3.8	1	mg/Kg	137670		12/21/04 0457	tds
	Iron, Solid*	27000			4.1	13	1	mg/Kg	137670		12/21/04 0457	tds
	Magnesium, Solid*	1200			1.4	13	1	mg/Kg	137670		12/21/04 0457	tds
	Manganese, Solid*	1200			0.042	1.3	1	mg/Kg	137830		12/21/04 1815	tds
	Nickel, Solid*	13			0.14	1.3	1	mg/Kg	137670		12/21/04 0457	tds
	Lead, Solid*	17			0.26	1.9	1	mg/Kg	137670		12/21/04 0457	tds
	Potassium, Solid*	450			5.7	63	1	mg/Kg	137670		12/21/04 0457	tds

* In Description = Dry Wgt.

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Job Number: 232642 LABORATORY TEST RESULTS Date: 12/28/2004

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

Customer Sample ID: LL8sd-007-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-7
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.9		U	0.63	1.9	1	mg/Kg	137670		12/21/04 0457	tds
	Silver, Solid*	1.3		U	0.14	1.3	1	mg/Kg	137670		12/21/04 0457	tds
	Sodium, Solid*	220		B	110	380	1	mg/Kg	137670		12/21/04 0457	tds
	Vanadium, Solid*	12			0.11	1.3	1	mg/Kg	137670		12/21/04 0457	tds
	Zinc, Solid*	110			0.99	2.5	1	mg/Kg	137670		12/21/04 0457	tds

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AODS			ATTN: Eric Ellis						
Customer Sample ID: LL8sd-007-DUP Date Sampled.....: 12/09/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232642-7 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137976		12/16/04 0426	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	137976		12/16/04 0426	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	137976		12/16/04 0426	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	137976		12/16/04 0426	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	137976		12/16/04 0426	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	137976		12/16/04 0426	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137976		12/16/04 0426	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	137976		12/16/04 0426	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137976		12/16/04 0426	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137976		12/16/04 0426	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	137976		12/16/04 0426	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	137976		12/16/04 0426	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137976		12/16/04 0426	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137976		12/16/04 0426	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 01/05/2005

CUSTOMER: MKI Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-009-SD
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-2
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	49.1			0.10	0.10	1	%	136943		12/13/04 2241	clb
	% Moisture, Solid	50.9			0.10	0.10	1	%	136943		12/13/04 2241	clb
7041	Antimony (GFAA) Antimony, Solid*	2.6		U	0.82	2.6	1	mg/Kg	137113		12/14/04 1850	daj
7841	Thallium (GFAA) Thallium, Solid*	1.1		U	0.35	1.1	1	mg/Kg	137109		12/15/04 0136	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	1.1			0.0079	0.067	2	mg/Kg	138802		01/05/05 1041	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.1	28	1	mg/Kg	138142		12/27/04 2240	Lmr
	Barium, Solid*	280			0.22	1.9	1	mg/Kg	138142		12/27/04 2240	Lmr
	Arsenic, Solid*	19			0.78	2.8	1	mg/Kg	138142		12/27/04 2240	Lmr
	Beryllium, Solid*	0.77			0.024	0.74	1	mg/Kg	138142		12/27/04 2240	Lmr
	Cadmium, Solid*	0.16		B	0.047	0.47	1	mg/Kg	138142		12/27/04 2240	Lmr
	Calcium, Solid*	6900			1.5	19	1	mg/Kg	138142		12/27/04 2240	Lmr
	Chromium, Solid*	21			0.20	1.9	1	mg/Kg	138142		12/27/04 2240	Lmr
	Cobalt, Solid*	17			0.11	0.93	1	mg/Kg	138142		12/27/04 2240	Lmr
	Copper, Solid*	33			0.60	5.6	1	mg/Kg	138142		12/27/04 2240	Lmr
	Iron, Solid*	41000			6.1	19	1	mg/Kg	138142		12/27/04 2240	Lmr
	Magnesium, Solid*	2300			2.1	19	1	mg/Kg	138142		12/27/04 2240	Lmr
	Manganese, Solid*	7200			0.31	9.3	5	mg/Kg	138198		12/28/04 1215	Lmr
	Nickel, Solid*	28			0.20	1.9	1	mg/Kg	138142		12/27/04 2240	Lmr
	Lead, Solid*	44			0.39	2.8	1	mg/Kg	138142		12/27/04 2240	Lmr
	Potassium, Solid*	1500			8.4	93	1	mg/Kg	138142		12/27/04 2240	Lmr

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS						Date: 01/05/2005				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USAGE RYAMP 14 AOCs				ATTN: Eric Elits					
Customer Sample ID: LL8sd-009-SD Date Sampled.....: 12/10/2004 Time Sampled.....: 09:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232687-2 Date Received.....: 12/11/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.6	B		0.93	2.8	1	mg/Kg	138142		12/27/04 2240	Lmr
	Silver, Solid*	0.33	B		0.20	1.9	1	mg/Kg	138142		12/27/04 2240	Lmr
	Sodium, Solid*	410	B		160	560	1	mg/Kg	138142		12/27/04 2240	Lmr
	Vanadium, Solid*	34			0.17	1.9	1	mg/Kg	138142		12/27/04 2240	Lmr
	Zinc, Solid*	340			1.5	3.7	1	mg/Kg	138142		12/27/04 2240	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-009-SD
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-2
 Date Received.....: 12/11/2004
 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	138116		12/16/04 0604	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	138116		12/16/04 0604	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	138116		12/16/04 0604	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	138116		12/16/04 0604	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	138116		12/16/04 0604	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	138116		12/16/04 0604	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	138116		12/16/04 0604	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	138116		12/16/04 0604	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	138116		12/16/04 0604	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	138116		12/16/04 0604	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	138116		12/16/04 0604	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	138116		12/16/04 0604	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	138116		12/16/04 0604	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	138116		12/16/04 0604	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 01/06/2005

CUSTOMER: KIM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: LL8sd-010-S0
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-12
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	49.1			0.10	0.10	1	%	136743		12/10/04 1230	daj
	% Moisture, Solid	50.9			0.10	0.10	1	%	136743		12/10/04 1230	daj
7041	Antimony (GFAA) Antimony, Solid*	2.4		U	0.76	2.4	1	mg/Kg	137113		12/14/04 1838	daj
7841	Thallium (GFAA) Thallium, Solid*	1.0		U	0.33	1.0	1	mg/Kg	137109		12/15/04 0124	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.86			0.0079	0.067	2	mg/Kg	137777		12/21/04 1556	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.0	27	1	mg/Kg	137670		12/21/04 0510	tds
	Barium, Solid*	260			0.21	1.8	1	mg/Kg	137670		12/21/04 0510	tds
	Arsenic, Solid*	18			0.75	2.7	1	mg/Kg	137670		12/21/04 0510	tds
	Beryllium, Solid*	0.84			0.023	0.71	1	mg/Kg	137670		12/21/04 0510	tds
	Cadmium, Solid*	1.3			0.045	0.45	1	mg/Kg	137830		12/21/04 1836	tds
	Calcium, Solid*	6600			1.4	18	1	mg/Kg	137670		12/21/04 0510	tds
	Chromium, Solid*	17			0.20	1.8	1	mg/Kg	137670		12/21/04 0510	tds
	Cobalt, Solid*	19			0.11	0.89	1	mg/Kg	137670		12/21/04 0510	tds
	Copper, Solid*	33			0.57	5.3	1	mg/Kg	137670		12/21/04 0510	tds
	Iron, Solid*	36000			5.8	18	1	mg/Kg	137670		12/21/04 0510	tds
	Magnesium, Solid*	2500			2.0	18	1	mg/Kg	137670		12/21/04 0510	tds
	Manganese, Solid*	8900			1.5	45	25	mg/Kg	137830		12/21/04 1842	tds
	Nickel, Solid*	29			0.20	1.8	1	mg/Kg	137670		12/21/04 0510	tds
	Lead, Solid*	52			0.37	2.7	1	mg/Kg	137670		12/21/04 0510	tds
	Potassium, Solid*	1400			8.0	89	1	mg/Kg	137670		12/21/04 0510	tds

* 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
		Selenium, Solid*	1.3		B	0.89	2.7	1	mg/Kg	137670		12/21/04 0510	tds
		Silver, Solid*	0.32		B	0.20	1.8	1	mg/Kg	137670		12/21/04 0510	tds
		Sodium, Solid*	420		B	150	530	1	mg/Kg	137670		12/21/04 0510	tds
		Vanadium, Solid*	27			0.16	1.8	1	mg/Kg	137670		12/21/04 0510	tds
		Zinc, Solid*	330			1.4	3.6	1	mg/Kg	137670		12/21/04 0510	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 01/06/2005

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elie

Customer Sample ID: LL8sd-010-SD
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-12
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sd-011-SD Date Sampled.....: 12/09/2004 Time Sampled.....: 14:15 Sample Matrix.....: Sediment			Laboratory Sample ID: 232642-10 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137976		12/16/04 0459	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	137976		12/16/04 0459	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-010-SD
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-12
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137976		12/16/04 0531	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	137976		12/16/04 0531	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	137976		12/16/04 0531	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137976		12/16/04 0531	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	137976		12/16/04 0531	san
	2,4,6-TNI, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137976		12/16/04 0531	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137976		12/16/04 0531	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	137976		12/16/04 0531	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	137976		12/16/04 0531	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	137976		12/16/04 0531	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	137976		12/16/04 0531	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137976		12/16/04 0531	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137976		12/16/04 0531	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137976		12/16/04 0531	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADES

ATTN: Eric Ellis

Customer Sample ID: LL8sd-011-SD
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232642-10
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	38.2			0.10	0.10	1	%	136743		12/10/04 1228	daj
	% Moisture, Solid	61.8			0.10	0.10	1	%	136743		12/10/04 1228	daj
7041	Antimony (GFAA) Antimony, Solid*	3.2		U	1.0	3.2	1	mg/Kg	137113		12/14/04 1826	daj
7841	Thallium (GFAA) Thallium, Solid*	1.4		U	0.43	1.4	1	mg/Kg	137109		12/15/04 0112	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	1.6			0.026	0.22	5	mg/Kg	137777		12/21/04 1554	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.7	36	1	mg/Kg	137670		12/21/04 0503	tds
	Barium, Solid*	270			0.29	2.4	1	mg/Kg	137670		12/21/04 0503	tds
	Arsenic, Solid*	20			1	3.6	1	mg/Kg	137670		12/21/04 0503	tds
	Beryllium, Solid*	1.1			0.031	0.95	1	mg/Kg	137670		12/21/04 0503	tds
	Cadmium, Solid*	1.4			0.059	0.59	1	mg/Kg	137830		12/21/04 1821	tds
	Calcium, Solid*	6400			1.9	24	1	mg/Kg	137670		12/21/04 0503	tds
	Chromium, Solid*	17			0.26	2.4	1	mg/Kg	137670		12/21/04 0503	tds
	Cobalt, Solid*	20			0.15	1.2	1	mg/Kg	137670		12/21/04 0503	tds
	Copper, Solid*	30			0.76	7.1	1	mg/Kg	137670		12/21/04 0503	tds
	Iron, Solid*	37000			7.8	24	1	mg/Kg	137670		12/21/04 0503	tds
	Magnesium, Solid*	2400			2.7	24	1	mg/Kg	137670		12/21/04 0503	tds
	Manganese, Solid*	8900			2.0	59	25	mg/Kg	137670		12/21/04 0503	tds
	Nickel, Solid*	32			0.26	2.4	1	mg/Kg	137830		12/21/04 1827	tds
	Lead, Solid*	46			0.50	3.6	1	mg/Kg	137670		12/21/04 0503	tds
	Potassium, Solid*	1300			11	120	1	mg/Kg	137670		12/21/04 0503	tds

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-011-SD			Laboratory Sample ID: 232642-10									
Date Sampled: 12/09/2004			Date Received: 12/10/2004									
Time Sampled: 14:15			Time Received: 10:00									
Sample Matrix: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.0		B	1.2	3.6	1	mg/Kg	137670		12/21/04 0503	tds
	Silver, Solid*	2.4		U	0.26	2.4	1	mg/Kg	137670		12/21/04 0503	tds
	Sodium, Solid*	480		B	200	710	1	mg/Kg	137670		12/21/04 0503	tds
	Vanadium, Solid*	27			0.21	2.4	1	mg/Kg	137670		12/21/04 0503	tds
	Zinc, Solid*	420			1.9	4.8	1	mg/Kg	137670		12/21/04 0503	tds

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sd-011-SD			Laboratory Sample ID: 232642-10			Date Sampled.....: 12/09/2004		Date Received.....: 12/10/2004				
Time Sampled.....: 14:15			Time Received.....: 10:00			Sample Matrix.....: Sediment						
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	137976		12/16/04 0459	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137976		12/16/04 0459	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	137976		12/16/04 0459	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	137976		12/16/04 0459	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137976		12/16/04 0459	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/02/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001M-S0
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 16:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-8
 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	25.3			0.10	0.10	1	%	134211		11/13/04 1039	daj
	% Moisture, Solid	74.7			0.10	0.10	1	%	134211		11/13/04 1039	daj
7041	Antimony (GFAA) Antimony, Solid*	5.0		U	1.6	5.0	1	mg/Kg	134864		11/18/04 1354	daj
7841	Thallium (GFAA) Thallium, Solid*	2.2		U	0.68	2.2	1	mg/Kg	134716		11/17/04 1313	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.10			0.017	0.065	1	mg/Kg	135393		11/23/04 1330	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			8.5	53	1	mg/Kg	135031		11/20/04 2209	Lmr
	Barium, Solid*	130			0.57	3.5	1	mg/Kg	135031		11/20/04 2209	Lmr
	Arsenic, Solid*	5.3		B	1.8	5.3	1	mg/Kg	135031		11/20/04 2209	Lmr
	Beryllium, Solid*	1.3		B	0.16	1.4	1	mg/Kg	135031		11/20/04 2209	Lmr
	Cadmium, Solid*	2.0			0.28	0.88	1	mg/Kg	135031		11/20/04 2209	Lmr
	Calcium, Solid*	7600			11	35	1	mg/Kg	135031		11/20/04 2209	Lmr
	Chromium, Solid*	16			0.78	3.5	1	mg/Kg	135031		11/20/04 2209	Lmr
	Cobalt, Solid*	12			0.49	1.8	1	mg/Kg	135031		11/20/04 2209	Lmr
	Copper, Solid*	23			3.2	11	1	mg/Kg	135031		11/20/04 2209	Lmr
	Iron, Solid*	19000			11	35	1	mg/Kg	135031		11/20/04 2209	Lmr
	Magnesium, Solid*	2000			6.0	35	1	mg/Kg	135031		11/20/04 2209	Lmr
	Manganese, Solid*	550			0.46	3.5	1	mg/Kg	135031		11/20/04 2209	Lmr
	Nickel, Solid*	22			0.88	3.5	1	mg/Kg	135031		11/20/04 2209	Lmr
	Lead, Solid*	38			1.5	5.3	1	mg/Kg	135031		11/20/04 2209	Lmr
	Potassium, Solid*	1300			49	180	1	mg/Kg	135031		11/20/04 2209	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 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-001M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 16:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231832-8 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.3	B		1.4	5.3	1	mg/Kg	135031		11/20/04 2209	Lmr
	Silver, Solid*	3.5	U		1.1	3.5	1	mg/Kg	135031		11/20/04 2209	Lmr
	Sodium, Solid*	1100	U		310	1100	1	mg/Kg	135031		11/20/04 2209	Lmr
	Vanadium, Solid*	22			0.74	3.5	1	mg/Kg	135031		11/20/04 2209	Lmr
	Zinc, Solid*	330			1.4	7.1	1	mg/Kg	135031		11/20/04 2209	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 16:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-8
 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	6.7	U		0.63	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	beta-BHC, 3541 Solid*	6.7	U		0.59	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	delta-BHC, 3541 Solid*	6.7	U		0.43	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	gamma-BHC (Lindane), 3541 Solid*	6.7	U		0.90	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Heptachlor, 3541 Solid*	6.7	U		0.71	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Aldrin, 3541 Solid*	6.7	U		0.51	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Heptachlor epoxide, 3541 Solid*	6.7	U		0.55	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Endosulfan I, 3541 Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Dieldrin, 3541 Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	4,4'-DDE, 3541 Solid*	23	U		2.6	7.9	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Endrin, 3541 Solid*	6.7	U		1.7	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Endosulfan II, 3541 Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	4,4'-DDD, 3541 Solid*	1.5	J	a	1.4	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Endosulfan sulfate, 3541 Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	4,4'-DDT, 3541 Solid*	6.5	J		1.5	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Methoxychlor, 3541 Solid*	33	U		9.0	33	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	alpha-Chlordane, 3541 Solid*	6.7	U		0.47	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	gamma-Chlordane, 3541 Solid*	6.7	U		0.59	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Endrin aldehyde, 3541 Solid*	6.7	U		1.3	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Endrin ketone, 3541 Solid*	6.7	U		1.1	6.7	1.00000	ug/Kg	136076		11/24/04 2134	kdl
	Toxaphene, 3541 Solid*	66	U		18	66	1.00000	ug/Kg	136076		11/24/04 2134	kdl
Method	% Solids Determination											
	% Solids, Solid	25.3			0.10	0.10	1	%	134211		11/13/04 1039	daj
	% Moisture, Solid	74.7			0.10	0.10	1	%	134211		11/13/04 1039	daj

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-001M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 16:25 Sample Matrix.....: Soil			Laboratory Sample ID: 231832-8 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*	130	U		35	130	1.00000	ug/Kg	135781		11/23/04 1825	bjt
	Aroclor 1221, 3541 Solid*	130	U		18	130	1.00000	ug/Kg	135781		11/23/04 1825	bjt
	Aroclor 1232, 3541 Solid*	66	U		18	66	1.00000	ug/Kg	135781		11/23/04 1825	bjt
	Aroclor 1242, 3541 Solid*	130	U		19	130	1.00000	ug/Kg	135781		11/23/04 1825	bjt
	Aroclor 1248, 3541 Solid*	66	U		15	66	1.00000	ug/Kg	135781		11/23/04 1825	bjt
	Aroclor 1254, 3541 Solid*	130	U		18	130	1.00000	ug/Kg	135781		11/23/04 1825	bjt
	Aroclor 1260, 3541 Solid*	130	U		50	130	1.00000	ug/Kg	135781		11/23/04 1825	bjt
Method	% Solids Determination											
	% Solids, Solid	25.3			0.10	0.10	1	%	134211		11/13/04 1039	daj
	% Moisture, Solid	74.7			0.10	0.10	1	%	134211		11/13/04 1039	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231833

Date: 11/20/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001D-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 16:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231833-4
 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	42.7			0.10	0.10	1	%	134159		11/12/04 1613	gok
	% Moisture, Solid	57.3			0.10	0.10	1	%	134159		11/12/04 1613	gok
8260B	Volatile Organics											
	Chloromethane, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Vinyl chloride, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Bromomethane, Solid*	12	U		3.0	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Chloroethane, Solid*	12	U		2.3	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,1-Dichloroethene, Solid*	12	U		3.0	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Carbon disulfide, Solid*	12	U		2.8	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Acetone, Solid*	35	U		11	35	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Methylene chloride, Solid*	23	U		6.8	23	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	trans-1,2-Dichloroethene, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,1-Dichloroethane, Solid*	12	U		2.3	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	cis-1,2-Dichloroethene, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	2-Butanone (MEK), Solid*	35	U		9.1	35	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Bromochloromethane, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Chloroform, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,1,1-Trichloroethane, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Carbon tetrachloride, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Benzene, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,2-Dichloroethane, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Trichloroethene, Solid*	12	U		2.2	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,2-Dichloropropane, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Bromodichloromethane, Solid*	12	U		2.3	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	cis-1,3-Dichloropropene, Solid*	12	U		2.2	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	23	U		2.2	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Toluene, Solid*	12	U		2.3	23	1.00000	ug/Kg	133968		11/10/04 2110	jdj
					2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj

* In Description = Dry Wgt.

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Job Number: 231833		LABORATORY TEST RESULTS						Date: 11/20/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOGS				ATTN: Eric ELLIS					
Customer Sample ID: LL8sd-001D-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 16:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231833-4 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
	trans-1,3-Dichloropropene, Solid*	12	U		1.9	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,1,2-Trichloroethane, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Tetrachloroethene, Solid*	12	U		2.8	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	2-Hexanone, Solid*	23	U		2.6	23	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Dibromochloromethane, Solid*	12	U		1.9	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,2-Dibromoethane (EDB), Solid*	12	U		1.9	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Chlorobenzene, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Ethylbenzene, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	m&p-Xylenes, Solid*	23	U		5.4	23	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	o-Xylene, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Styrene, Solid*	12	U		2.6	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Bromoform, Solid*	12	U		1.8	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,1,2,2-Tetrachloroethane, Solid*	12	U		2.2	12	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	1,2-Dichloroethene (total), Solid*	23	U		4.9	23	1.00000	ug/Kg	133968		11/10/04 2110	jdj
	Xylenes (total), Solid*	23	U		8.0	23	1.00000	ug/Kg	133968		11/10/04 2110	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LLBsd-001M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 16:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-8
 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*	640	U	27	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Phenol, 3541 Low Solid*	630	U	27	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	260	U	34	260	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	250	U	34	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	1,3-Dichlorobenzene, 3541 Low Solid*	640	U	52	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	630	U	51	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	1,4-Dichlorobenzene, 3541 Low Solid*	640	U	59	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	630	U	58	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	1,2-Dichlorobenzene, 3541 Low Solid*	640	U	54	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	630	U	53	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	Benzyl alcohol, 3541 Low Solid*	2600	U	280	2600	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Benzyl alcohol, 3541 Low Solid*	2500	U	280	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	2-Methylphenol (o-cresol), 3541 Low Solid*	260	U	40	260	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	250	U	40	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	2,2-oxybis (1-chloropropane), 3541 Low Soli*d	640	U	61	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2,2-oxybis (1-chloropropane), 3541 Low Soli*d	630	U	60	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	260	U	51	260	1.00000	ug/Kg	135735		11/29/04 0952	glr
	n-Nitroso-di-n-propylamine, 3541 Low Soli*	250	U	50	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	Hexachloroethane, 3541 Low Solid*	640	U	33	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Hexachloroethane, 3541 Low Solid*	630	U	33	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	260	U	46	260	1.00000	ug/Kg	135735		11/29/04 0952	glr
	4-Methylphenol (m/p-cresol), 3541 Low Sol*d	250	U	45	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	2-Chlorophenol, 3541 Low Solid*	640	U	52	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2-Chlorophenol, 3541 Low Solid*	630	U	51	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	Nitrobenzene, 3541 Low Solid*	130	U	33	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Nitrobenzene, 3541 Low Solid*	130	U	33	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	260	U	34	260	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Bis(2-chloroethoxy)methane, 3541 Low Soli*	250	U	33	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 16:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-8
 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
	1,2,4-Trichlorobenzene, 3541 Low Solid*	640	U		52	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	630	U		52	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Benzoic acid, 3541 Low Solid*	2600	U	*	750	2600	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Benzoic acid, 3541 Low Solid*	2500	U	*	740	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Isophorone, 3541 Low Solid*	640	U		75	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Isophorone, 3541 Low Solid*	630	U		74	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	1300	U		62	1300	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2,4-Dimethylphenol, 3541 Low Solid*	1300	U		61	1300	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Hexachlorobutadiene, 3541 Low Solid*	640	U		35	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Hexachlorobutadiene, 3541 Low Solid*	630	U		34	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Naphthalene, 3541 Low Solid*	130	U		32	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Naphthalene, 3541 Low Solid*	130	U		32	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	1300	U		60	1300	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2,4-Dichlorophenol, 3541 Low Solid*	1300	U		59	1300	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	4-Chloroaniline, 3541 Low Solid*	2600	U		210	2600	1.00000	ug/Kg	135735		11/29/04 0952	glr
	4-Chloroaniline, 3541 Low Solid*	2500	U		200	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	640	U		140	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2,4,6-Trichlorophenol, 3541 Low Solid*	630	U		140	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	1300	U		170	1300	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2,4,5-Trichlorophenol, 3541 Low Solid*	1300	U		170	1300	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	3800	U		1200	3800	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Hexachlorocyclopentadiene, 3541 Low Solid*	3800	U		1200	3800	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2-Methylnaphthalene, 3541 Low Solid*	130	U		38	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2-Methylnaphthalene, 3541 Low Solid*	130	U		38	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2-Nitroaniline, 3541 Low Solid*	640	U		42	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2-Nitroaniline, 3541 Low Solid*	630	U		41	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2-Chloronaphthalene, 3541 Low Solid*	640	U		60	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	2-Chloronaphthalene, 3541 Low Solid*	630	U		59	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	4-Chloro-3-methylphenol, 3541 Low Solid*	1300	U		130	1300	1.00000	ug/Kg	135735		11/29/04 0952	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: LL8sd-001M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 16:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231832-8 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*	1300	U		130	1300	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	130	U		35	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	130	U		35	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2-Nitrophenol, 3541 Low Solid*	1300	U		57	1300	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	2-Nitrophenol, 3541 Low Solid*	1300	U		56	1300	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	3-Nitroaniline, 3541 Low Solid*	2600	U		530	2600	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	3-Nitroaniline, 3541 Low Solid*	2500	U		520	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Dimethyl phthalate, 3541 Low Solid*	260	U		34	260	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Dimethyl phthalate, 3541 Low Solid*	250	U		34	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	2600	U	*	400	2600	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	2,4-Dinitrophenol, 3541 Low Solid*	2500	U	*	390	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Acenaphthylene, 3541 Low Solid*	130	U		32	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Acenaphthylene, 3541 Low Solid*	130	U		31	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	130	U		40	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	2,4-Dinitrotoluene, 3541 Low Solid*	130	U		39	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Acenaphthene, 3541 Low Solid*	130	U		32	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Acenaphthene, 3541 Low Solid*	130	U		31	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Dibenzofuran, 3541 Low Solid*	260	U		34	260	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Dibenzofuran, 3541 Low Solid*	250	U		33	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	4-Nitrophenol, 3541 Low Solid*	2600	U		820	2600	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	4-Nitrophenol, 3541 Low Solid*	2500	U		800	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Fluorene, 3541 Low Solid*	130	U		35	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Fluorene, 3541 Low Solid*	130	U		34	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	4-Nitroaniline, 3541 Low Solid*	2600	U		170	2600	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	4-Nitroaniline, 3541 Low Solid*	2500	U		170	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	640	U		38	640	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	4-Bromophenyl phenyl ether, 3541 Low Soli*	630	U		38	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Hexachlorobenzene, 3541 Low Solid*	130	U		37	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Hexachlorobenzene, 3541 Low Solid*	130	U		36	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 12/06/2004

CUSTOMER: MKK Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-001M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 16:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-8
 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
	Diethyl phthalate, 3541 Low Solid*	260	U		37	260	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Diethyl phthalate, 3541 Low Solid*	250	U		36	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	640	U		38	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	630	U		38	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Pentachlorophenol, 3541 Low Solid*	1300	U		430	1300	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Pentachlorophenol, 3541 Low Solid*	1300	U		420	1300	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	130	U		40	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	n-Nitrosodiphenylamine, 3541 Low Solid*	130	U		39	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	2600	U		650	2600	1.00000	ug/Kg	135735		11/29/04 0952	glr
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	2500	U	*	640	2500	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Phenanthrene, 3541 Low Solid*	190	U		58	190	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Phenanthrene, 3541 Low Solid*	59	J		57	190	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Anthracene, 3541 Low Solid*	130	U		42	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Anthracene, 3541 Low Solid*	130	U		41	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Carbazole, 3541 Low Solid*	640	U		45	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Carbazole, 3541 Low Solid*	630	U		45	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	640	U		44	640	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Di-n-butyl phthalate, 3541 Low Solid*	630	U		43	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Fluoranthene, 3541 Low Solid*	110	J		41	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Fluoranthene, 3541 Low Solid*	160	J		41	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Pyrene, 3541 Low Solid*	110	J		46	190	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Pyrene, 3541 Low Solid*	160	J		45	190	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	260	U		40	260	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Butyl benzyl phthalate, 3541 Low Solid*	250	U		39	250	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Benzo(a)anthracene, 3541 Low Solid*	66	J		38	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Benzo(a)anthracene, 3541 Low Solid*	100	J		38	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Chrysene, 3541 Low Solid*	85	J		40	130	1.00000	ug/Kg	135735		11/29/04 0952	glr
	Chrysene, 3541 Low Solid*	110	J		40	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	3,3-Dichlorobenzidine, 3541 Low Solid*	640	U		57	640	1.00000	ug/Kg	135735		11/29/04 0952	glr

* In Description = Dry Wgt.

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Job Number: 231832		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RVAAP 1A AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sd-001M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 16:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231832-8 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	630	U		56	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	640	U		120	640	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	630	U		120	630	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	1300	U		40	1300	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Di-n-octyl phthalate, 3541 Low Solid*	1300	U		39	1300	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	140		H	34	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Benzo(b)fluoranthene, 3541 Low Solid*	180		N	34	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	55	J		36	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Benzo(k)fluoranthene, 3541 Low Solid*	79	J		36	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Benzo(a)pyrene, 3541 Low Solid*	56	J		37	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Benzo(a)pyrene, 3541 Low Solid*	92	J		36	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	130	U		39	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	64	J		39	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	130	U		37	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	130	U		36	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	60	J		42	130	1.00000	ug/Kg	135735	RE	11/29/04 0952	glr
	Benzo(ghi)perylene, 3541 Low Solid*	120	J		42	130	1.00000	ug/Kg	136188	RE	12/03/04 1709	dpk
Method	% Solids Determination											
	% Solids, Solid	25.3			0.10	0.10	1	%	134211		11/13/04 1039	daj
	% Moisture, Solid	74.7			0.10	0.10	1	%	134211		11/13/04 1039	daj

* 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 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-001M-SD Date Sampled: 11/08/2004 Time Sampled: 16:25 Sample Matrix: Sediment			Laboratory Sample ID: 231832-8 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 1303	san
	RDx, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135895		11/19/04 1303	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135895		11/19/04 1303	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135895		11/19/04 1303	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135895		11/19/04 1303	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135895		11/19/04 1303	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135895		11/19/04 1303	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135895		11/19/04 1303	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135895		11/19/04 1303	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135895		11/19/04 1303	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135895		11/19/04 1303	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135895		11/19/04 1303	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135895		11/19/04 1303	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135895		11/19/04 1303	san
8332M	NG/PEYN by 8332M (HPLC)											
Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	135888		11/19/04 0036	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LL8sd-001M-SD

Trace Level Organic Compounds

Lot-Sample #...: G4K100349-002 Work Order #...: GWNGA1AA Matrix.....: SOLID
Date Sampled...: 11/08/04 16:25 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 LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	0.25	mg/kg	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: LL8sd-001M-SD

General Chemistry

Lot-Sample #...: G4K100349-002 Work Order #...: GWNGA Matrix.....: SOLID
Date Sampled...: 11/08/04 16:25 Date Received...: 11/10/04

<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	1.3 B,J	2.0	mg/kg	MCAWW 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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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: LL&sd-002M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 11:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 231793-12 Date Received.....: 11/09/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	23.4			0.10	0.10	1	%	133996		11/11/04 1315	daj
	% Moisture, Solid	76.6			0.10	0.10	1	%	133996		11/11/04 1315	daj
7041	Antimony (GFAA) Antimony, Solid*	2.8		U	0.90	2.8	1	mg/Kg	134864		11/18/04 1216	daj
7841	Thallium (GFAA) Thallium, Solid*	1.2		U	0.39	1.2	1	mg/Kg	134623		11/17/04 1025	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.26			0.018	0.071	1	mg/Kg	134895		11/17/04 1344	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			9.2	58	1	mg/Kg	133930		11/11/04 0445	tds
	Barium, Solid*	140			0.62	3.8	1	mg/Kg	133930		11/11/04 0445	tds
	Arsenic, Solid*	10			2.0	5.8	1	mg/Kg	133930		11/11/04 0445	tds
	Beryllium, Solid*	1.3		B	0.17	1.5	1	mg/Kg	133930		11/11/04 0445	tds
	Cadmium, Solid*	1.7			0.31	0.96	1	mg/Kg	134066		11/11/04 2053	tds
	Calcium, Solid*	5600			12	38	1	mg/Kg	133930		11/11/04 0445	tds
	Chromium, Solid*	18			0.85	3.8	1	mg/Kg	133930		11/11/04 0445	tds
	Cobalt, Solid*	16			0.54	1.9	1	mg/Kg	133930		11/11/04 0445	tds
	Copper, Solid*	27			3.5	12	1	mg/Kg	133930		11/11/04 0445	tds
	Iron, Solid*	27000			12	38	1	mg/Kg	133930		11/11/04 0445	tds
	Magnesium, Solid*	2300			6.5	38	1	mg/Kg	133930		11/11/04 0445	tds
	Manganese, Solid*	870			0.50	3.8	1	mg/Kg	133930		11/11/04 0445	tds
	Nickel, Solid*	24			0.96	3.8	1	mg/Kg	133930		11/11/04 0445	tds
	Lead, Solid*	34			1.7	5.8	1	mg/Kg	133930		11/11/04 0445	tds
	Potassium, Solid*	1500			53	190	1	mg/Kg	133930		11/11/04 0445	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 Elkins				
Customer Sample ID: LL8sd-002M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 11:00 Sample Matrix.....: Sediment						Laboratory Sample ID: 231793-12 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*	1.8	B		1.5	5.8	1	mg/Kg	133930		11/11/04 0445	tds
	Silver, Solid*	3.8	U		1.2	3.8	1	mg/Kg	133930		11/11/04 0445	tds
	Sodium, Solid*	390	B		330	1200	1	mg/Kg	133930		11/11/04 0445	tds
	Vanadium, Solid*	26			0.81	3.8	1	mg/Kg	133930		11/11/04 0445	tds
	Zinc, Solid*	340			1.5	7.7	1	mg/Kg	133930		11/11/04 0445	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-002N-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 11:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 231793-12 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
8330	Explosives by 8330 (NPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135178		11/14/04 0549	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135178		11/14/04 0549	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135178		11/14/04 0549	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135178		11/14/04 0549	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135178		11/14/04 0549	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135178		11/14/04 0549	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135178		11/14/04 0549	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135178		11/14/04 0549	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135178		11/14/04 0549	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135178		11/14/04 0549	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135178		11/14/04 0549	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135178		11/14/04 0549	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135178		11/14/04 0549	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135178		11/14/04 0549	san

* 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 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-002M-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 11:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 231793-13 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	27.6			0.10	0.10	1					
	% Solids, Solid	72.4			0.10	0.10	1	%	133996		11/11/04 1320	daj
	% Moisture, Solid							%	133996		11/11/04 1320	daj
7041	Antimony (GFAA) Antimony, Solid*	2.3	U		0.71	2.3	1	mg/Kg	134574		11/17/04 0440	daj
7841	Thallium (GFAA) Thallium, Solid*	0.97	U		0.31	0.97	1	mg/Kg	134623		11/17/04 0650	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.11			0.016	0.060	1	mg/Kg	134895		11/17/04 1354	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			8.1	50	1	mg/Kg	133930		11/11/04 0540	tds
	Barium, Solid*	140			0.54	3.4	1	mg/Kg	133930		11/11/04 0540	tds
	Arsenic, Solid*	9.8			1.7	5.0	1	mg/Kg	133930		11/11/04 0540	tds
	Beryllium, Solid*	1.2	B		0.15	1.3	1	mg/Kg	133930		11/11/04 0540	tds
	Cadmium, Solid*	1.3			0.27	0.84	1	mg/Kg	134066		11/11/04 2152	tds
	Calcium, Solid*	5200			10	34	1	mg/Kg	133930		11/11/04 0540	tds
	Chromium, Solid*	17			0.74	3.4	1	mg/Kg	133930		11/11/04 0540	tds
	Cobalt, Solid*	15			0.47	1.7	1	mg/Kg	133930		11/11/04 0540	tds
	Copper, Solid*	24			3.0	10	1	mg/Kg	133930		11/11/04 0540	tds
	Iron, Solid*	29000			10	34	1	mg/Kg	133930		11/11/04 0540	tds
	Magnesium, Solid*	2200			5.7	34	1	mg/Kg	133930		11/11/04 0540	tds
	Manganese, Solid*	980			0.44	3.4	1	mg/Kg	133930		11/11/04 0540	tds
	Nickel, Solid*	21			0.84	3.4	1	mg/Kg	133930		11/11/04 0540	tds
	Lead, Solid*	30			1.4	5.0	1	mg/Kg	133930		11/11/04 0540	tds
	Potassium, Solid*	1400			46	170	1	mg/Kg	133930		11/11/04 0540	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: HGM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-002M-DUP			Laboratory Sample ID: 231793-13									
Date Sampled.....: 11/08/2004			Date Received.....: 11/09/2004									
Time Sampled.....: 11:00			Time Received.....: 09:45									
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
	Selenium, Solid*	1.8	B		1.3	5.0	1	mg/Kg	133930		11/11/04 0540	tds
	Silver, Solid*	3.4	U		1.0	3.4	1	mg/Kg	133930		11/11/04 0540	tds
	Sodium, Solid*	310	B		290	1000	1	mg/Kg	133930		11/11/04 0540	tds
	Vanadium, Solid*	24			0.71	3.4	1	mg/Kg	133930		11/11/04 0540	tds
	Zinc, Solid*	310			1.3	6.7	1	mg/Kg	133930		11/11/04 0540	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sd-002M-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 11:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 231793-13 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)											
	BMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	135178		11/14/04 0727	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135178		11/14/04 0727	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135178		11/14/04 0727	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135178		11/14/04 0727	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135178		11/14/04 0727	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135178		11/14/04 0727	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135178		11/14/04 0727	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135178		11/14/04 0727	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135178		11/14/04 0727	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135178		11/14/04 0727	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135178		11/14/04 0727	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135178		11/14/04 0727	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135178		11/14/04 0727	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135178		11/14/04 0727	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231833

Date: 11/23/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-003M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231833-1
 Date Received.....: 11/10/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RC	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	36.7			0.10	0.10	1	%	134159		11/12/04 1604	gok
	% Moisture, Solid	63.3			0.10	0.10	1	%	134159		11/12/04 1604	gok
7041	Antimony (GFAA) Antimony, Solid*	3.6		U	1.1	3.6	1	mg/Kg	134864		11/18/04 2357	daj
7841	Thallium (GFAA) Thallium, Solid*	1.5		U	0.49	1.5	1	mg/Kg	134716		11/17/04 2359	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.064			0.012	0.045	1	mg/Kg	134658		11/17/04 1217	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			6.1	38	1	mg/Kg	135060		11/21/04 2117	tds
	Barium, Solid*	91			0.41	2.5	1	mg/Kg	135030		11/20/04 1219	lmr
	Arsenic, Solid*	5.1			1.3	3.8	1	mg/Kg	135030		11/20/04 1219	lmr
	Beryllium, Solid*	1.1			0.11	1.0	1	mg/Kg	135030		11/20/04 1219	lmr
	Cadmium, Solid*	2.6			0.20	0.63	1	mg/Kg	135030		11/20/04 1219	lmr
	Calcium, Solid*	2100			7.9	25	1	mg/Kg	135030		11/20/04 1219	lmr
	Chromium, Solid*	15			0.56	2.5	1	mg/Kg	135030		11/20/04 1219	lmr
	Cobalt, Solid*	7.6			0.36	1.3	1	mg/Kg	135030		11/20/04 1219	lmr
	Copper, Solid*	19			2.3	7.6	1	mg/Kg	135060		11/21/04 2117	tds
	Iron, Solid*	18000			7.6	25	1	mg/Kg	135030		11/20/04 1219	lmr
	Magnesium, Solid*	1800			4.3	25	1	mg/Kg	135030		11/20/04 1219	lmr
	Manganese, Solid*	250			0.33	2.5	1	mg/Kg	135030		11/20/04 1219	lmr
	Nickel, Solid*	17			0.63	2.5	1	mg/Kg	135030		11/20/04 1219	lmr
	Lead, Solid*	34			1.1	3.8	1	mg/Kg	135030		11/20/04 1219	lmr
	Potassium, Solid*	980			35	130	1	mg/Kg	135060		11/21/04 2117	tds

* In Description = Dry Wgt.

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Job Number: 231833		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-D03M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 14:15 Sample Matrix.....: Sediment			Laboratory Sample ID: 231833-1 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*	1.3		B	1.0	3.8	1	mg/Kg	135030		11/20/04 1219	Lmr
	Silver, Solid*	2.5		U	0.79	2.5	1	mg/Kg	135030		11/20/04 1219	Lmr
	Sodium, Solid*	760		U	220	760	1	mg/Kg	135060		11/21/04 2117	tds
	Vanadium, Solid*	20			0.53	2.5	1	mg/Kg	135030		11/20/04 1219	Lmr
	Zinc, Solid*	430			1.0	5.1	1	mg/Kg	135030		11/20/04 1219	Lmr

* In Description = Dry Wgt.

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Job Number: 231833		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-003M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 14:15 Sample Matrix.....: Sediment			Laboratory Sample ID: 231833-1 Date Received.....: 11/10/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ML	XL	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	135387		11/14/04 0759	bdw
	RDX, Solid	0.99	U		0.31	0.99	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	Tetryl, Solid	2.0	U		0.60	2.0	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	2,6-Dinitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.99	U		0.23	0.99	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	2-Nitrotoluene, Solid	0.99	U		0.24	0.99	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	4-Nitrotoluene, Solid	0.99	U		0.25	0.99	5.00000	mg/Kg	135387		11/14/04 0759	bdw
	3-Nitrotoluene, Solid	0.99	U		0.26	0.99	5.00000	mg/Kg	135387		11/14/04 0759	bdw

* In Description = Dry Wgt.

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Job Number: 231657

LABORATORY TEST RESULTS

Date: 11/18/2004

CUSTOMER: HCN Engineers, Inc. PROJECT: LISACE RVAAP 14 AOCIS ATTN: Eric Ellis

Customer Sample ID: LL8sd-004M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-11
 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	37.7			0.10	0.10	1	%	133225		11/04/04 2311	clb
	% Moisture, Solid	62.3			0.10	0.10	1	%	133225		11/04/04 2311	clb
7041	Antimony (GFAA) Antimony, Solid*	2.9		U	0.92	2.9	1	mg/Kg	133945		11/10/04 1641	daJ
7841	Thallium (GFAA) Thallium, Solid*	1.3		U	0.40	1.3	1	mg/Kg	134082		11/11/04 0909	daJ
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.092			0.011	0.044	1	mg/Kg	134643		11/16/04 1440	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			5.9	37	1	mg/Kg	134280		11/13/04 1613	tds
	Barium, Solid*	98			0.40	2.5	1	mg/Kg	134280		11/13/04 1613	tds
	Arsenic, Solid*	8.5			1.3	3.7	1	mg/Kg	134280		11/13/04 1613	tds
	Beryllium, Solid*	0.78		B	0.11	0.99	1	mg/Kg	134280		11/13/04 1613	tds
	Cadmium, Solid*	0.61		B	0.20	0.62	1	mg/Kg	134280		11/13/04 1613	tds
	Calcium, Solid*	3200			7.7	25	1	mg/Kg	134280		11/13/04 1613	tds
	Chromium, Solid*	16			0.54	2.5	1	mg/Kg	134280		11/13/04 1613	tds
	Cobalt, Solid*	12			0.35	1.2	1	mg/Kg	134280		11/13/04 1613	tds
	Copper, Solid*	21			2.2	7.4	1	mg/Kg	134280		11/13/04 1613	tds
	Iron, Solid*	21000			7.4	25	1	mg/Kg	134280		11/13/04 1613	tds
	Magnesium, Solid*	2000			4.2	25	1	mg/Kg	134280		11/13/04 1613	tds
	Manganese, Solid*	700			0.32	2.5	1	mg/Kg	134280		11/13/04 1613	tds
	Nickel, Solid*	19			0.62	2.5	1	mg/Kg	134280		11/13/04 1613	tds
	Lead, Solid*	34			1.1	3.7	1	mg/Kg	134280		11/13/04 1613	tds
	Potassium, Solid*	1300			34	120	1	mg/Kg	134280		11/13/04 1613	tds

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: HCH Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-004M-SD			Laboratory Sample ID: 231657-11									
Date Sampled.....: 11/02/2004			Date Received.....: 11/04/2004									
Time Sampled.....: 14:30			Time Received.....: 09:10									
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	3.7	U		0.99	3.7	1	mg/Kg	134280		11/13/04 1613	tds
	Silver, Solid*	2.5	U		0.77	2.5	1	mg/Kg	134280		11/13/04 1613	tds
	Sodium, Solid*	300	B		210	740	1	mg/Kg	134280		11/13/04 1613	tds
	Vanadium, Solid*	23			0.52	2.5	1	mg/Kg	134280		11/13/04 1613	tds
	Zinc, Solid*	290			0.99	4.9	1	mg/Kg	134280		11/13/04 1613	tds

* In Description = Dry Mgt.

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Job Number: 231657		LABORATORY TEST RESULTS							Date: 11/28/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8sd-004M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 14:30 Sample Matrix.....: Sediment				Laboratory Sample ID: 231657-11 Date Received.....: 11/04/2004 Time Received.....: 09:10								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	4.2	U		0.40	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	beta-BHC, 3541 Solid*	4.2	U		0.37	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	delta-BHC, 3541 Solid*	4.2	U		0.27	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	gamma-BHC (Lindane), 3541 Solid*	4.2	U		0.57	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Heptachlor, 3541 Solid*	4.2	U		0.45	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Aldrin, 3541 Solid*	4.2	U		0.32	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Heptachlor epoxide, 3541 Solid*	4.2	U		0.35	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Endosulfan I, 3541 Solid*	4.2	U		0.67	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Dieldrin, 3541 Solid*	4.2	U		0.85	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	4,4'-DDE, 3541 Solid*	5.0	U		1.6	5.0	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Endrin, 3541 Solid*	4.2	U		1.1	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Endosulfan II, 3541 Solid*	4.2	U		0.70	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	4,4'-DDD, 3541 Solid*	4.2	U		0.90	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Endosulfan sulfate, 3541 Solid*	4.2	U		0.72	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	4,4'-DDT, 3541 Solid*	4.2	U		0.92	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Methoxychlor, 3541 Solid*	21	U		5.7	21	1.00000	ug/Kg	135505		11/24/04 1349	pij
	alpha-Chlordane, 3541 Solid*	4.2	U		0.30	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	gamma-Chlordane, 3541 Solid*	4.2	U		0.37	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
	Endrin aldehyde, 3541 Solid*	4.2	U		0.82	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij
Endrin ketone, 3541 Solid*	4.2	U		0.72	4.2	1.00000	ug/Kg	135505		11/24/04 1349	pij	
Toxaphene, 3541 Solid*	42	U		11	42	1.00000	ug/Kg	135505		11/24/04 1349	pij	
Method	% Solids Determination											
	% Solids, Solid	37.7			0.10	0.10	1	%	133225		11/04/04 2311	clb
	% Moisture, Solid	62.3			0.10	0.10	1	%	133225		11/04/04 2311	clb

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYMAP 14 AGGS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-004M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 14:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 231657-11 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	82	U		22	82	1.00000	ug/Kg	135460		11/23/04 0824	bjt
	Aroclor 1221, 3541 Solid*	82	U		11	82	1.00000	ug/Kg	135460		11/23/04 0824	bjt
	Aroclor 1232, 3541 Solid*	42	U		11	42	1.00000	ug/Kg	135460		11/23/04 0824	bjt
	Aroclor 1242, 3541 Solid*	82	U		12	82	1.00000	ug/Kg	135460		11/23/04 0824	bjt
	Aroclor 1248, 3541 Solid*	42	U		9.2	42	1.00000	ug/Kg	135460		11/23/04 0824	bjt
	Aroclor 1254, 3541 Solid*	82	U		11	82	1.00000	ug/Kg	135460		11/23/04 0824	bjt
	Aroclor 1260, 3541 Solid*	82	U		32	82	1.00000	ug/Kg	135460		11/23/04 0824	bjt
Method	% Solids Determination											
	% Solids, Solid	37.7			0.10	0.10	1	%	133225		11/04/04 2311	clb
	% Moisture, Solid	62.3			0.10	0.10	1	%	133225		11/04/04 2311	clb

* 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 Elise				
Customer Sample ID: LL8sd-0040-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 14:40 Sample Matrix.....: Sediment						Laboratory Sample ID: 231657-8 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	68.1			0.10	0.10	1	%	133225		11/04/04 2303	clb
	% Moisture, Solid	31.9			0.10	0.10	1	%	133225		11/04/04 2303	clb
8260B	Volatile Organics											
	Chloromethane, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Vinyl chloride, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Bromomethane, Solid*	7.3	U		1.9	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Chloroethane, Solid*	7.3	U		1.5	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,1-Dichloroethene, Solid*	7.3	U		1.9	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Carbon disulfide, Solid*	7.3	U		1.8	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Acetone, Solid*	22	U		6.8	22	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Methylene chloride, Solid*	15	U		4.3	15	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	trans-1,2-Dichloroethene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,1-Dichloroethane, Solid*	7.3	U		1.5	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	cis-1,2-Dichloroethane, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	2-Butanone (MEK), Solid*	22	U		5.7	22	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Bromochloromethane, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Chloroform, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,1,1-Trichloroethane, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Carbon tetrachloride, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Benzene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,2-Dichloroethane, Solid*	7.3	U		1.4	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Trichloroethene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,2-Dichloropropane, Solid*	7.3	U		1.5	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Bromodichloromethane, Solid*	7.3	U		1.4	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	cis-1,3-Dichloropropene, Solid*	7.3	U		1.4	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	15	U		1.5	15	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Toluene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657				Date: 11/18/2004								
CUSTOMER: MKN Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Elies				
Customer Sample ID: LL8sd-004D-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 14:40 Sample Matrix.....: Sediment						Laboratory Sample ID: 231657-8 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*	7.3	U		1.2	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,1,2-Trichloroethane, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Tetrachloroethene, Solid*	7.3	U		1.8	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	2-Hexanone, Solid*	15	U		1.6	15	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Dibromochloromethane, Solid*	7.3	U		1.2	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,2-Dibromoethane (EDB), Solid*	7.3	U		1.2	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Chlorobenzene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Ethylbenzene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	m&p-Xylenes, Solid*	15	U		3.4	15	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	o-Xylene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Styrene, Solid*	7.3	U		1.6	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Bromoform, Solid*	7.3	U		1.1	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,1,2,2-Tetrachloroethane, Solid*	7.3	U		1.4	7.3	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	1,2-Dichloroethene (total), Solid*	15	U		3.1	15	1.00000	ug/Kg	133782		11/09/04 2222	jdj
	Xylenes (total), Solid*	15	U		5.0	15	1.00000	ug/Kg	133782		11/09/04 2222	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RYAN 14 AOCs ATTN: Eric Etkis

Customer Sample ID: LL8sd-004M-SD Laboratory Sample ID: 231657-11
 Date Sampled.....: 11/02/2004 Date Received.....: 11/04/2004
 Time Sampled.....: 14:30 Time Received.....: 09:10
 Sample Matrix.....: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics										
	Phenol, 3541 Low Solid*	440	U	19	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	180	U	23	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	440	U	35	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	440	U	40	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	440	U	37	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Benzyl alcohol, 3541 Low Solid*	1800	U	190	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	180	U	28	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	440	U	42	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	180	U	35	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Hexachloroethane, 3541 Low Solid*	440	U	23	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	180	U	31	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2-Chlorophenol, 3541 Low Solid*	440	U	36	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Nitrobenzene, 3541 Low Solid*	87	U	23	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	180	U	23	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	440	U	36	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Benzoic acid, 3541 Low Solid*	1800	U	520	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Isophorone, 3541 Low Solid*	440	U	52	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	870	U	43	870	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Hexachlorobutadiene, 3541 Low Solid*	440	U	24	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Naphthalene, 3541 Low Solid*	87	U	22	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	870	U	41	870	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	4-Chloroaniline, 3541 Low Solid*	1800	U	140	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	440	U	99	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	870	U	120	870	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	2600	U	800	2600	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2-Methylnaphthalene, 3541 Low Solid*	87	U	26	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2-Nitroaniline, 3541 Low Solid*	440	U	28	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2-Chloronaphthalene, 3541 Low Solid*	440	U	41	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/19/2004

Job Number: 231657

CUSTOMER: MOC Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sd-004M-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231657-11
 Date Received.....: 11/04/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	R	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	870	U		91	870	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	87	U		24	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2-Nitrophenol, 3541 Low Solid*	870	U		39	870	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	3-Nitroaniline, 3541 Low Solid*	1800	U		360	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Dimethyl phthalate, 3541 Low Solid*	180	U		23	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	1800	U		270	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Acenaphthylene, 3541 Low Solid*	87	U		22	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	87	U		27	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Acenaphthene, 3541 Low Solid*	87	U		22	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Dibenzofuran, 3541 Low Solid*	180	U		23	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	4-Nitrophenol, 3541 Low Solid*	1800	U		560	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Fluorene, 3541 Low Solid*	87	U		24	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	4-Nitroaniline, 3541 Low Solid*	1800	U		120	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	4-Bromophenyl phenyl ether, 3541 Low Soli*	440	U		26	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Hexachlorobenzene, 3541 Low Solid*	87	U		25	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Diethyl phthalate, 3541 Low Solid*	180	U		25	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Sol*d	440	U		26	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Pentachlorophenol, 3541 Low Solid*	870	U		290	870	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	87	U		27	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Soli*	1800	U		450	1800	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Phenanthrene, 3541 Low Solid*	130	U		40	130	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Anthracene, 3541 Low Solid*	87	U		29	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Carbazole, 3541 Low Solid*	440	U		31	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	440	U		30	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Fluoranthene, 3541 Low Solid*	44	J		28	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Pyrene, 3541 Low Solid*	130	U		32	130	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	180	U		27	180	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Benzo(a)anthracene, 3541 Low Solid*	87	U		26	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Chrysene, 3541 Low Solid*	87	U		28	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS										Date: 11/19/2004		
Job Number: 231657					PROJECT: USACE RVAAP 1A-ADCS					ATTN: Eric Ellis		
CUSTOMER: HKM Engineers, Inc.												
Customer Sample ID: LL8sd-004M-SD					Laboratory Sample ID: 231657-11							
Date Sampled.....: 11/02/2004					Date Received.....: 11/04/2004							
Time Sampled.....: 14:30					Time Received.....: 09:10							
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	440	U		39	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	440	U		84	440	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	870	U		27	870	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	27	J		23	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	87	U		25	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Benzo(a)pyrene, 3541 Low Solid*	87	U		25	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	87	U		27	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	87	U		25	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	87	U		29	87	1.00000	ug/Kg	134462		11/16/04 1717	dpk
Method	% Solids Determination											
	% Solids, Solid	37.7			0.10	0.10	1	%	133225		11/04/04 2311	ctb
	% Moisture, Solid	62.3			0.10	0.10	1	%	133225		11/04/04 2311	ctb

* 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 AGCS			ATTN: ERIC ELLIS						
Customer Sample ID: LL8sd-004M-S0 Date Sampled.....: 11/02/2004 Time Sampled.....: 14:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 231657-11 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134710		11/09/04 1809	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134710		11/09/04 1809	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134710		11/09/04 1809	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134710		11/09/04 1809	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134710		11/09/04 1809	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134710		11/09/04 1809	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134710		11/09/04 1809	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134710		11/09/04 1809	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134710		11/09/04 1809	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	134710		11/09/04 1809	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134710		11/09/04 1809	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134710		11/09/04 1809	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134710		11/09/04 1809	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134710		11/09/04 1809	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	134715		11/09/04 1939	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LL8sd-004M-SD

Trace Level Organic Compounds

Lot-Sample #...: G4K040343-005 Work Order #...: GV9KJ1AA Matrix.....: SOLID
Date Sampled...: 11/02/04 14:30 Date Received...: 11/04/04
Prep Date.....: 11/08/04 Analysis Date...: 11/11/04
Prep Batch #...: 4313426
Dilution Factor: 1 Initial Wgt/Vol: 2 g Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: LL8sd-004M-SD

General Chemistry

Lot-Sample #...: G4K040343-005 Work Order #...: GV9KJ Matrix.....: SOLID
Date Sampled...: 11/02/04 Date Received...: 11/04/04

<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	1.1 B	2.0	mg/kg	MCAWW 353.2	11/09-11/12/04	4314547
			MDL.....: 0.57			

NOTE(S):

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

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/17/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RYMAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-005N-SD
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:55
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231611-28
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	36.7			0.10	0.10	1	%	133222		11/04/04 2028	clb
	% Moisture, Solid	63.3			0.10	0.10	1	%	133222		11/04/04 2028	clb
7041	Antimony (GFAA) Antimony, Solid*	2.4		U	0.76	2.4	1	mg/Kg	133763		11/09/04 1409	daj
7841	Thallium (GFAA) Thallium, Solid*	1.0		U	0.33	1.0	1	mg/Kg	133645		11/09/04 0311	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.066			0.012	0.045	1	mg/Kg	133831		11/09/04 1518	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9900			4.5	28	1	mg/Kg	133744		11/09/04 1917	tds
	Barium, Solid*	79			0.30	1.9	1	mg/Kg	133744		11/09/04 1917	tds
	Arsenic, Solid*	11			0.95	2.8	1	mg/Kg	133744		11/09/04 1917	tds
	Beryllium, Solid*	0.81			0.082	0.74	1	mg/Kg	133744		11/09/04 1917	tds
	Cadmium, Solid*	0.46		U	0.15	0.46	1	mg/Kg	133744		11/09/04 1917	tds
	Calcium, Solid*	16000			5.8	19	1	mg/Kg	133744		11/09/04 1917	tds
	Chromium, Solid*	16			0.41	1.9	1	mg/Kg	133744		11/09/04 1917	tds
	Cobalt, Solid*	11			0.26	0.93	1	mg/Kg	133744		11/09/04 1917	tds
	Copper, Solid*	26			1.7	5.6	1	mg/Kg	133744		11/09/04 1917	tds
	Iron, Solid*	30000			5.6	19	1	mg/Kg	133744		11/09/04 1917	tds
	Magnesium, Solid*	5500		H	3.2	19	1	mg/Kg	133744		11/09/04 1917	tds
	Manganese, Solid*	910			0.24	1.9	1	mg/Kg	133744		11/09/04 1917	tds
	Nickel, Solid*	25			0.46	1.9	1	mg/Kg	133744		11/09/04 1917	tds
	Lead, Solid*	15			0.80	2.8	1	mg/Kg	133744		11/09/04 1917	tds
	Potassium, Solid*	1700			26	93	1	mg/Kg	133744		11/09/04 1917	tds

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date:11/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-005M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 11:55 Sample Matrix.....: Sediment			Laboratory Sample ID: 231611-28 Date Received.....: 11/03/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.8	U		0.74	2.8	1	mg/Kg	133744		11/09/04 1917	tds
	Silver, Solid*	1.9	U		0.58	1.9	1	mg/Kg	133744		11/09/04 1917	tds
	Sodium, Solid*	290	B		160	560	1	mg/Kg	133744		11/09/04 1917	tds
	Vanadium, Solid*	19			0.39	1.9	1	mg/Kg	133744		11/09/04 1917	tds
	Zinc, Solid*	130			0.74	3.7	1	mg/Kg	133744		11/09/04 1917	tds

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-005M-SD Date Sampled.....: 11/02/2004 Time Sampled.....: 11:55 Sample Matrix.....: Sediment			Laboratory Sample ID: 231611-28 Date Received.....: 11/03/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HNX, Solid	2.0	U		0.56	2.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	RDX, Solid	2.0	U		0.62	2.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	1,3,5-Trinitrobenzene, Solid	0.99	U		0.33	0.99	10.0000	mg/Kg	134571		11/07/04 1105	san
	1,3-Dinitrobenzene, Solid	0.99	U		0.23	0.99	10.0000	mg/Kg	134571		11/07/04 1105	san
	Nitrobenzene, Solid	0.99	U		0.21	0.99	10.0000	mg/Kg	134571		11/07/04 1105	san
	2,4,6-TNT, Solid	0.99	U		0.24	0.99	10.0000	mg/Kg	134571		11/07/04 1105	san
	Tetryl, Solid	4.0	U		1.2	4.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	2,4-Dinitrotoluene, Solid	0.99	U		0.25	0.99	10.0000	mg/Kg	134571		11/07/04 1105	san
	2,6-Dinitrotoluene, Solid	2.0	U		0.48	2.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	2-Amino-4,6-Dinitrotoluene, Solid	2.0	U		0.45	2.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	4-Amino-2,6-Dinitrotoluene, Solid	3.0	U		0.93	3.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	2-Nitrotoluene, Solid	2.0	U		0.47	2.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	4-Nitrotoluene, Solid	2.0	U		0.50	2.0	10.0000	mg/Kg	134571		11/07/04 1105	san
	3-Nitrotoluene, Solid	2.0	U		0.53	2.0	10.0000	mg/Kg	134571		11/07/04 1105	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231832

Date: 11/29/2004

CUSTOMER: MKR Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sd-006M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-11
 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	47.9			0.10	0.10	1	%	134211		11/13/04 1045	daj
	% Moisture, Solid	52.1			0.10	0.10	1	%	134211		11/13/04 1045	daj
7041	Antimony (GFAA) Antimony, Solid*	2.7		U	0.85	2.7	1	mg/Kg	134864		11/18/04 1431	daj
7841	Thallium (GFAA) Thallium, Solid*	1.2		U	0.37	1.2	1	mg/Kg	134716		11/17/04 1403	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.042			0.0090	0.034	1	mg/Kg	135393		11/23/04 1342	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			4.2	26	1	mg/Kg	135031		11/20/04 2228	lmr
	Barium, Solid*	65			0.28	1.7	1	mg/Kg	135031		11/20/04 2228	lmr
	Arsenic, Solid*	2.3		B	0.89	2.6	1	mg/Kg	135031		11/20/04 2228	lmr
	Beryllium, Solid*	0.59		B	0.077	0.70	1	mg/Kg	135031		11/20/04 2228	lmr
	Cadmium, Solid*	0.44		U	0.14	0.44	1	mg/Kg	135031		11/20/04 2228	lmr
	Calcium, Solid*	1700			5.4	17	1	mg/Kg	135031		11/20/04 2228	lmr
	Chromium, Solid*	13			0.38	1.7	1	mg/Kg	135031		11/20/04 2228	lmr
	Cobalt, Solid*	5.2			0.24	0.87	1	mg/Kg	135031		11/20/04 2228	lmr
	Copper, Solid*	17			1.6	5.2	1	mg/Kg	135031		11/20/04 2228	lmr
	Iron, Solid*	14000			5.2	17	1	mg/Kg	135031		11/20/04 2228	lmr
	Magnesium, Solid*	1500			3.0	17	1	mg/Kg	135031		11/20/04 2228	lmr
	Manganese, Solid*	150			0.23	1.7	1	mg/Kg	135031		11/20/04 2228	lmr
	Nickel, Solid*	11			0.44	1.7	1	mg/Kg	135031		11/20/04 2228	lmr
	Lead, Solid*	16			0.75	2.6	1	mg/Kg	135031		11/20/04 2228	lmr
	Potassium, Solid*	810			24	87	1	mg/Kg	135031		11/20/04 2228	lmr

* 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 Ellis

Customer Sample ID: LL8sd-006M-SD
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231832-11
 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*	2.6	U		0.70	2.6	1	mg/Kg	135031		11/20/04 2228	Lmr
	Silver, Solid*	1.7	U		0.54	1.7	1	mg/Kg	135031		11/20/04 2228	Lmr
	Sodium, Solid*	210	B		150	520	1	mg/Kg	135031		11/20/04 2228	Lmr
	Vanadium, Solid*	18			0.37	1.7	1	mg/Kg	135031		11/20/04 2228	Lmr
	Zinc, Solid*	140			0.70	3.5	1	mg/Kg	135031		11/20/04 2228	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 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sd-006M-SD Date Sampled.....: 11/08/2004 Time Sampled.....: 15:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 231832-11 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 1441	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	135895		11/19/04 1441	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	135895		11/19/04 1441	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	135895		11/19/04 1441	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	135895		11/19/04 1441	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	135895		11/19/04 1441	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	135895		11/19/04 1441	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	135895		11/19/04 1441	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	135895		11/19/04 1441	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	135895		11/19/04 1441	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	135895		11/19/04 1441	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	135895		11/19/04 1441	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	135895		11/19/04 1441	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	135895		11/19/04 1441	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination										
	% Solids, Solid	77.1		0.10	0.10	1	%	137160		12/15/04 2156	cLb
	% Moisture, Solid	22.9		0.10	0.10	1	%	137160		12/15/04 2156	cLb
7041	Antimony (GFAA) Antimony, Solid*	1.9		0.52	1.7	1	mg/Kg	137839		12/21/04 1239	daJ
7841	Thallium (GFAA) Thallium, Solid*	0.71	U	0.22	0.71	1	mg/Kg	137972		12/22/04 1504	daJ
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.13		0.0025	0.021	1	mg/Kg	137746		12/20/04 1531	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	5500		1.5	19	1	mg/Kg	138142		12/28/04 0002	Lmr
	Barium, Solid*	46		0.15	1.3	1	mg/Kg	138142		12/28/04 0002	Lmr
	Arsenic, Solid*	12		0.53	1.9	1	mg/Kg	138142		12/28/04 0002	Lmr
	Beryllium, Solid*	0.44	B	0.016	0.50	1	mg/Kg	138142		12/28/04 0002	Lmr
	Cadmium, Solid*	0.32	U	0.032	0.32	1	mg/Kg	138142		12/28/04 0002	Lmr
	Calcium, Solid*	4200		1	13	1	mg/Kg	138142		12/28/04 0002	Lmr
	Chromium, Solid*	13		0.14	1.3	1	mg/Kg	138142		12/28/04 0002	Lmr
	Cobalt, Solid*	8.8		0.077	0.63	1	mg/Kg	138142		12/28/04 0002	Lmr
	Copper, Solid*	23		0.40	3.8	1	mg/Kg	138142		12/28/04 0002	Lmr
	Iron, Solid*	20000		4.1	13	1	mg/Kg	138142		12/28/04 0002	Lmr
	Magnesium, Solid*	1800		1.4	13	1	mg/Kg	138142		12/28/04 0002	Lmr
	Manganese, Solid*	520		0.042	1.3	1	mg/Kg	138142		12/28/04 0002	Lmr
	Nickel, Solid*	17		0.14	1.3	1	mg/Kg	138142		12/28/04 0002	Lmr
	Lead, Solid*	640		0.26	1.9	1	mg/Kg	138142		12/28/04 0002	Lmr
	Potassium, Solid*	760		5.7	63	1	mg/Kg	138142		12/28/04 0002	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AGCS

ATTN: ERIC ELLIS

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.9		U	0.63	1.9	1	mg/Kg	138142		12/28/04 0002	lmr
	Silver, Solid*	1.3		U	0.14	1.3	1	mg/Kg	138142		12/28/04 0002	lmr
	Sodium, Solid*	200		B	110	380	1	mg/Kg	138142		12/28/04 0002	lmr
	Vanadium, Solid*	15			0.11	1.3	1	mg/Kg	138142		12/28/04 0002	lmr
	Zinc, Solid*	99			1	2.5	1	mg/Kg	138142		12/28/04 0002	lmr

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 01/10/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sd-D04-SD Date Sampled.....: 12/14/2004 Time Sampled.....: 14:15 Sample Matrix.....: Sediment			Laboratory Sample ID: 232789-7 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC, 3541 Solid*	2.2	U		0.21	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	beta-BHC, 3541 Solid*	2.2	U		0.19	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	delta-BHC, 3541 Solid*	2.2	U		0.14	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	gamma-BHC (Lindane), 3541 Solid*	2.2	U		0.30	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Heptachlor, 3541 Solid*	2.2	U		0.23	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Aldrin, 3541 Solid*	2.2	U		0.17	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Heptachlor epoxide, 3541 Solid*	2.2	U		0.18	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Endosulfan I, 3541 Solid*	1.1	J	a*	0.35	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Dieldrin, 3541 Solid*	1.6	J	a	0.44	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	4,4'-DDE, 3541 Solid*	45	J		0.84	2.6	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Endrin, 3541 Solid*	2.2	U		0.56	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Endosulfan II, 3541 Solid*	2.2	U	*	0.36	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	4,4'-DDD, 3541 Solid*	17	J		0.47	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Endosulfan sulfate, 3541 Solid*	2.2	U		0.37	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	4,4'-DDT, 3541 Solid*	55	J	*	0.48	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Methoxychlor, 3541 Solid*	11	U		3.0	11	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	alpha-Chlordane, 3541 Solid*	1.8	J	a	0.16	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	gamma-Chlordane, 3541 Solid*	5.3	J		0.19	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
	Endrin aldehyde, 3541 Solid*	2.2	U		0.43	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl
Endrin ketone, 3541 Solid*	2.2	U		0.37	2.2	1.00000	ug/Kg	138896		12/30/04 1400	kdl	
Toxaphene, 3541 Solid*	22	U	B	5.9	22	1.00000	ug/Kg	138896		12/30/04 1400	kdl	
Toxaphene, 3541 Solid*	21	U		5.7	21	1.00000	ug/Kg	138898	RE	01/05/05 1835	kdl	
Method	% Solids Determination											
	% Solids, Solid	77.1			0.10	0.10	1	%	137160		12/15/04 2156	cib
	% Moisture, Solid	22.9			0.10	0.10	1	%	137160		12/15/04 2156	cib

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: L10sd-004-SD Date Sampled.....: 12/14/2004 Time Sampled.....: 14:15 Sample Matrix.....: Sediment			Laboratory Sample ID: 232789-7 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	43	U		11	43	1.00000	ug/Kg	138343		12/29/04 1129	bjt
	Aroclor 1221, 3541 Solid*	43	U		5.9	43	1.00000	ug/Kg	138343		12/29/04 1129	bjt
	Aroclor 1232, 3541 Solid*	22	U		5.8	22	1.00000	ug/Kg	138343		12/29/04 1129	bjt
	Aroclor 1242, 3541 Solid*	43	U		6.3	43	1.00000	ug/Kg	138343		12/29/04 1129	bjt
	Aroclor 1248, 3541 Solid*	22	U		4.8	22	1.00000	ug/Kg	138343		12/29/04 1129	bjt
	Aroclor 1254, 3541 Solid*	43	U		5.8	43	1.00000	ug/Kg	138343		12/29/04 1129	bjt
	Aroclor 1260, 3541 Solid*	43	U		15	43	1.00000	ug/Kg	138343		12/29/04 1129	bjt
Method	% Solids Determination											
	% Solids, Solid	77.1			0.10	0.10	1	%	137160		12/15/04 2156	clb
	% Moisture, Solid	22.9			0.10	0.10	1	%	137160		12/15/04 2156	clb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Vinyl chloride, Solid*	6.5	U	*	1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Bromomethane, Solid*	6.5	U		1.7	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Chloroethane, Solid*	6.5	U		1.3	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,1-Dichloroethene, Solid*	6.5	U		1.7	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Carbon disulfide, Solid*	6.5	U		1.6	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Acetone, Solid*	19	U	*	6.0	19	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Methylene chloride, Solid*	13	U		3.8	13	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	trans-1,2-Dichloroethene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,1-Dichloroethane, Solid*	6.5	U		1.3	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	cis-1,2-Dichloroethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	2-Butanone (MEK), Solid*	19	U		5.1	19	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Bromochloromethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Chloroform, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,1,1-Trichloroethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Carbon tetrachloride, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Benzene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,2-Dichloroethane, Solid*	6.5	U		1.2	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Trichloroethene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,2-Dichloropropane, Solid*	6.5	U		1.3	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Bromodichloromethane, Solid*	6.5	U		1.2	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	cis-1,3-Dichloropropene, Solid*	6.5	U		1.2	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	13	U		1.3	13	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Toluene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	trans-1,3-Dichloropropene, Solid*	6.5	U		1.0	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,1,2-Trichloroethane, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Tetrachloroethene, Solid*	6.5	U	*	1.6	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	2-Hexanone, Solid*	13	U		1.4	13	1.00000	ug/Kg	137578		12/18/04 1903	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	6.5	U		1.0	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,2-Dibromoethane (EDB), Solid*	6.5	U		1.1	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Chlorobenzene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Ethylbenzene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	m&p-Xylenes, Solid*	13	U		3.0	13	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	o-Xylene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Styrene, Solid*	6.5	U		1.4	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Bromoform, Solid*	6.5	U		0.97	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,1,2,2-Tetrachloroethane, Solid*	6.5	U		1.2	6.5	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	1,2-Dichloroethene (total), Solid*	13	U		2.7	13	1.00000	ug/Kg	137578		12/18/04 1903	jdj
	Xylenes (total), Solid*	13	U		4.4	13	1.00000	ug/Kg	137578		12/18/04 1903	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: OSAGE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, 3541 Low Solid*	210	U		8.8	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Bis(2-chloroethyl)ether, 3541 Low Solid*	83	U		11	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	1,3-Dichlorobenzene, 3541 Low Solid*	210	U		17	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	1,4-Dichlorobenzene, 3541 Low Solid*	210	U		19	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	1,2-Dichlorobenzene, 3541 Low Solid*	210	U		17	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Benzyl alcohol, 3541 Low Solid*	830	U		91	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2-Methylphenol (o-cresol), 3541 Low Solid*	83	U		13	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	210	U		20	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	83	U		16	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Hexachloroethane, 3541 Low Solid*	210	U		11	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	83	U		15	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2-Chlorophenol, 3541 Low Solid*	210	U		17	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Nitrobenzene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	83	U		11	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	1,2,4-Trichlorobenzene, 3541 Low Solid*	210	U		17	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Benzoic acid, 3541 Low Solid*	830	U	*	240	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Isophorone, 3541 Low Solid*	210	U		24	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2,4-Dimethylphenol, 3541 Low Solid*	410	U		20	410	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Hexachlorobutadiene, 3541 Low Solid*	210	U		11	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Naphthalene, 3541 Low Solid*	41	U		10	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2,4-Dichlorophenol, 3541 Low Solid*	410	U		19	410	1.00000	ug/Kg	138784		12/29/04 1851	glr
	4-Chloroaniline, 3541 Low Solid*	830	U		66	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
2,4,6-Trichlorophenol, 3541 Low Solid*	210	U		46	210	1.00000	ug/Kg	138784		12/29/04 1851	glr	
2,4,5-Trichlorophenol, 3541 Low Solid*	410	U		55	410	1.00000	ug/Kg	138784		12/29/04 1851	glr	
Hexachlorocyclopentadiene, 3541 Low Solid*	1200	U		380	1200	1.00000	ug/Kg	138784		12/29/04 1851	glr	
2-Methylnaphthalene, 3541 Low Solid*	41	U		12	41	1.00000	ug/Kg	138784		12/29/04 1851	glr	
2-Nitroaniline, 3541 Low Solid*	210	U		13	210	1.00000	ug/Kg	138784		12/29/04 1851	glr	
2-Chloronaphthalene, 3541 Low Solid*	210	U		19	210	1.00000	ug/Kg	138784		12/29/04 1851	glr	

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 01/05/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADGS			ATTN: Eric Ellis						
Customer Sample ID: L10sd-004-SD Date Sampled.....: 12/14/2004 Time Sampled.....: 14:15 Sample Matrix.....: Sediment			Laboratory Sample ID: 232789-7 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, 3541 Low Solid*	410	U		43	410	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2,6-Dinitrotoluene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2-Nitrophenol, 3541 Low Solid*	410	U		18	410	1.00000	ug/Kg	138784		12/29/04 1851	glr
	3-Nitroaniline, 3541 Low Solid*	830	U		170	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Dimethyl phthalate, 3541 Low Solid*	83	U		11	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2,4-Dinitrophenol, 3541 Low Solid*	830	U	*	130	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Acenaphthylene, 3541 Low Solid*	41	U		10	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	2,4-Dinitrotoluene, 3541 Low Solid*	41	U		13	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Acenaphthene, 3541 Low Solid*	41	U		10	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Dibenzofuran, 3541 Low Solid*	83	U		11	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	4-Nitrophenol, 3541 Low Solid*	830	U		260	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Fluorene, 3541 Low Solid*	41	U		11	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	4-Nitroaniline, 3541 Low Solid*	830	U		55	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
	4-Bromophenyl phenyl ether, 3541 Low Solid*	210	U		12	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Hexachlorobenzene, 3541 Low Solid*	41	U		12	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Diethyl phthalate, 3541 Low Solid*	83	U		12	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	210	U		12	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Pentachlorophenol, 3541 Low Solid*	410	U		140	410	1.00000	ug/Kg	138784		12/29/04 1851	glr
	n-Nitrosodiphenylamine, 3541 Low Solid*	41	U		13	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	830	U		210	830	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Phenanthrene, 3541 Low Solid*	62	U		19	62	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Anthracene, 3541 Low Solid*	41	U		13	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Carbazole, 3541 Low Solid*	210	U		15	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Di-n-butyl phthalate, 3541 Low Solid*	210	U		14	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Fluoranthene, 3541 Low Solid*	45	U		13	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Pyrene, 3541 Low Solid*	27	U		15	62	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Butyl benzyl phthalate, 3541 Low Solid*	83	J	a	13	83	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Benzo(a)anthracene, 3541 Low Solid*	31	J	a	12	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Chrysene, 3541 Low Solid*	42	J		13	41	1.00000	ug/Kg	138784		12/29/04 1851	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, 3541 Low Solid*	210	U		18	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	210	U		40	210	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Di-n-octyl phthalate, 3541 Low Solid*	410	U		13	410	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Benzo(b)fluoranthene, 3541 Low Solid*	91		H	11	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Benzo(k)fluoranthene, 3541 Low Solid*	40	J	a	12	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Benzo(a)pyrene, 3541 Low Solid*	48			12	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	54			13	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	41	U		12	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
	Benzo(ghi)perylene, 3541 Low Solid*	68			14	41	1.00000	ug/Kg	138784		12/29/04 1851	glr
Method	% Solids Determination											
	% Solids, Solid	77.1			0.10	0.10	1	%	137160		12/15/04 2156	clb
	% Moisture, Solid	22.9			0.10	0.10	1	%	137160		12/15/04 2156	clb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/10/2005

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	139076		12/30/04 0422	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	139076		12/30/04 0422	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	139076		12/30/04 0422	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	139076		12/30/04 0422	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	139076		12/30/04 0422	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	139076		12/30/04 0422	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	139076		12/30/04 0422	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	139076		12/30/04 0422	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	139076		12/30/04 0422	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	139076		12/30/04 0422	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	139076		12/30/04 0422	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	139076		12/30/04 0422	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	139076		12/30/04 0422	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	139076		12/30/04 0422	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine, Solid	0.50	U		0.12	0.50	1.00000	mg/Kg	138440		12/30/04 0013	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L10sd-004-SD

Trace Level Organic Compounds

Lot-Sample #...: G4L150216-002 Work Order #...: G04TE1AA Matrix.....: SD
Date Sampled...: 12/14/04 14:15 Date Received...: 12/15/04
Eprep Date.....: 12/27/04 Analysis Date...: 12/30/04
Eprep Batch #...: 4362274
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	0.056 J	0.25	mg/kg	NONE UV/HPLC per

NOTE(S):

J Estimated result. Result is less than the reporting limit.

STL CHICAGO

Client Sample ID: L10sd-004-SD

General Chemistry

Lot-Sample #...: G4L150216-002 Work Order #...: G04TE Matrix.....: SD
Date Sampled...: 12/14/04 14:15 Date Received...: 12/15/04

<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	1.1 B,J	2.0	mg/kg	MCAWW 353.2	12/20-12/22/04	4355351
			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.
- I Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/10/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-004-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-7
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	77.1			0.10	0.10	1	%	137160		12/15/04 2156	clb
	% Solids, Solid	22.9			0.10	0.10	1	%	137160		12/15/04 2156	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric)	0.83		U	0.26	0.83	1	mg/Kg	137796		12/20/04 1613	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: L10sd-005-SD
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-4
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	57.5			0.10	0.10	1	%	137160		12/15/04 2153	clb
	% Moisture, Solid	42.5			0.10	0.10	1	%	137160		12/15/04 2153	clb
7041	Antimony (GFAA) Antimony, Solid*	2.2		U	0.68	2.2	1	mg/Kg	137839		12/21/04 1227	daj
7841	Thallium (GFAA) Thallium, Solid*	4.6		U	1.5	4.6	5	mg/Kg	138332		12/29/04 1214	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.074			0.0034	0.029	1	mg/Kg	137746		12/20/04 1529	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6300			1.9	25	1	mg/Kg	138142		12/27/04 2356	lmr
	Barium, Solid*	71			0.20	1.7	1	mg/Kg	138142		12/27/04 2356	lmr
	Arsenic, Solid*	20			0.70	2.5	1	mg/Kg	138142		12/27/04 2356	lmr
	Beryllium, Solid*	0.55		B	0.022	0.66	1	mg/Kg	138142		12/27/04 2356	lmr
	Cadmium, Solid*	0.83		U	0.083	0.83	2	mg/Kg	138198		12/28/04 1221	lmr
	Calcium, Solid*	3000			1.3	17	1	mg/Kg	138142		12/27/04 2356	lmr
	Chromium, Solid*	28			0.18	1.7	1	mg/Kg	138142		12/27/04 2356	lmr
	Cobalt, Solid*	10			0.10	0.83	1	mg/Kg	138142		12/27/04 2356	lmr
	Copper, Solid*	94			0.53	5.0	1	mg/Kg	138142		12/27/04 2356	lmr
	Iron, Solid*	71000			5.4	17	1	mg/Kg	138142		12/27/04 2356	lmr
	Magnesium, Solid*	1600			1.9	17	1	mg/Kg	138142		12/27/04 2356	lmr
	Manganese, Solid*	970			0.055	1.7	1	mg/Kg	138142		12/27/04 2356	lmr
	Nickel, Solid*	24			0.18	1.7	1	mg/Kg	138142		12/27/04 2356	lmr
	Lead, Solid*	350			0.35	2.5	1	mg/Kg	138142		12/27/04 2356	lmr
	Potassium, Solid*	930			7.5	83	1	mg/Kg	138142		12/27/04 2356	lmr

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS					Date: 01/07/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sd-005-SD Date Sampled.....: 12/14/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 232789-4 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.5	U		0.83	2.5	1	mg/Kg	138142		12/27/04 2356	lmr
	Silver, Solid*	1.7	U		0.18	1.7	1	mg/Kg	138142		12/27/04 2356	lmr
	Sodium, Solid*	340	B		140	500	1	mg/Kg	138142		12/27/04 2356	lmr
	Vanadium, Solid*	28			0.15	1.7	1	mg/Kg	138142		12/27/04 2356	lmr
	Zinc, Solid*	230			1.3	3.3	1	mg/Kg	138142		12/27/04 2356	lmr

* In Description = Dry Wgt.

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Job Number: 232789 LABORATORY TEST RESULTS Date: 01/10/2005

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

Customer Sample ID: L10sd-005-S0
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232789-4
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX, Solid	2.0		U	0.56	2.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	RDX, Solid	2.0		U	0.63	2.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	1,3,5-Trinitrobenzene, Solid	1.0		U	0.33	1.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	1,3-Dinitrobenzene, Solid	1.0		U	0.24	1.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	Nitrobenzene, Solid	1.0		U	0.21	1.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	2,4,6-TNT, Solid	1.0		U	0.24	1.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	Tetryl, Solid	4.0		U	1.2	4.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	2,4-Dinitrotoluene, Solid	1.0		U	0.26	1.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	2,6-Dinitrotoluene, Solid	2.0		U	0.49	2.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	2-Amino-4,6-Dinitrotoluene, Solid	2.0		U	0.46	2.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	4-Amino-2,6-Dinitrotoluene, Solid	3.0		U	0.94	3.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	2-Nitrotoluene, Solid	2.0		U	0.48	2.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	4-Nitrotoluene, Solid	2.0		U	0.50	2.0	10.0000	mg/Kg	139076		12/30/04 0317	san
	3-Nitrotoluene, Solid	2.0		U	0.53	2.0	10.0000	mg/Kg	139076		12/30/04 0317	san

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 01/10/2005				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sd-005-SD Date Sampled.....: 12/14/2004 Time Sampled.....: 13:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 232789-4 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	57.5			0.10	0.10	1	%	137160		12/15/04 2153	clb
	% Solids, Solid	42.5			0.10	0.10	1	%	137160		12/15/04 2153	clb
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	0.65		U	0.20	0.65	1	ng/Kg	137796		12/20/04 1612	mtb

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10sd-006-SD Date Sampled.....: 12/15/2004 Time Sampled.....: 12:17 Sample Matrix.....: Sediment			Laboratory Sample ID: 232829-4 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	77.4			0.10	0.10	1	%	137627		12/20/04 2303	clb
	% Moisture, Solid	22.6			0.10	0.10	1	%	137627		12/20/04 2303	clb
7041	Antimony (GFAA) Antimony, Solid*	1.6		U	0.51	1.6	1	mg/Kg	137839		12/21/04 1304	daj
7841	Thallium (GFAA) Thallium, Solid*	0.70		U	0.22	0.70	1	mg/Kg	137972		12/22/04 1516	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.049			0.0025	0.021	1	mg/Kg	137477		12/17/04 1448	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6100			1.3	17	1	mg/Kg	138142		12/28/04 0009	Lmr
	Barium, Solid*	50			0.14	1.2	1	mg/Kg	138142		12/28/04 0009	Lmr
	Arsenic, Solid*	18			0.49	1.7	1	mg/Kg	138142		12/28/04 0009	Lmr
	Beryllium, Solid*	0.49			0.015	0.46	1	mg/Kg	138142		12/28/04 0009	Lmr
	Cadmium, Solid*	0.29		U	0.029	0.29	1	mg/Kg	138142		12/28/04 0009	Lmr
	Calcium, Solid*	2300			0.92	12	1	mg/Kg	138142		12/28/04 0009	Lmr
	Chromium, Solid*	54			0.13	1.2	1	mg/Kg	138142		12/28/04 0009	Lmr
	Cobalt, Solid*	8.3			0.071	0.58	1	mg/Kg	138142		12/28/04 0009	Lmr
	Copper, Solid*	130			0.37	3.5	1	mg/Kg	138142		12/28/04 0009	Lmr
	Iron, Solid*	31000			3.8	12	1	mg/Kg	138142		12/28/04 0009	Lmr
	Magnesium, Solid*	1700			1.3	12	1	mg/Kg	138142		12/28/04 0009	Lmr
	Manganese, Solid*	520			0.038	1.2	1	mg/Kg	138142		12/28/04 0009	Lmr
	Nickel, Solid*	20			0.13	1.2	1	mg/Kg	138142		12/28/04 0009	Lmr
	Lead, Solid*	310			0.24	1.7	1	mg/Kg	138142		12/28/04 0009	Lmr
	Potassium, Solid*	850			5.2	58	1	mg/Kg	138142		12/28/04 0009	Lmr

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS					Date: 01/03/2005					
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sd-006-SD			Laboratory Sample ID: 232829-4									
Date Sampled.....: 12/15/2004			Date Received.....: 12/16/2004									
Time Sampled.....: 12:17			Time Received.....: 09:00									
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	1.7	U		0.58	1.7	1					
	Silver, Solid*	1.2	U		0.13	1.2	1	mg/Kg	138142		12/28/04 0009	Lmr
	Sodium, Solid*	230	B		99	350	1	mg/Kg	138142		12/28/04 0009	Lmr
	Vanadium, Solid*	20			0.10	1.2	1	mg/Kg	138142		12/28/04 0009	Lmr
	Zinc, Solid*	160			0.92	2.3	1	mg/Kg	138142		12/28/04 0009	Lmr

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS							Date: 12/30/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sd-006-SD Date Sampled.....: 12/15/2004 Time Sampled.....: 12:17 Sample Matrix.....: Sediment			Laboratory Sample ID: 232829-4 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.98	U		0.28	0.98	5.00000	mg/Kg	138519		12/23/04 0903	san
	RDX, Solid	0.98	U		0.31	0.98	5.00000	mg/Kg	138519		12/23/04 0903	san
	1,3,5-Trinitrobenzene, Solid	0.49	U		0.16	0.49	5.00000	mg/Kg	138519		12/23/04 0903	san
	1,3-Dinitrobenzene, Solid	0.49	U		0.12	0.49	5.00000	mg/Kg	138519		12/23/04 0903	san
	Nitrobenzene, Solid	0.49	U		0.10	0.49	5.00000	mg/Kg	138519		12/23/04 0903	san
	2,4,6-TNT, Solid	0.49	U		0.12	0.49	5.00000	mg/Kg	138519		12/23/04 0903	san
	Tetryl, Solid	0.87	J	a	0.60	2.0	5.00000	mg/Kg	138519		12/23/04 0903	san
	2,4-Dinitrotoluene, Solid	0.49	U		0.13	0.49	5.00000	mg/Kg	138519		12/23/04 0903	san
	2,6-Dinitrotoluene, Solid	4.7	U		0.24	0.98	5.00000	mg/Kg	138519		12/23/04 0903	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.98	U		0.22	0.98	5.00000	mg/Kg	138519		12/23/04 0903	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.46	1.5	5.00000	mg/Kg	138519		12/23/04 0903	san
	2-Nitrotoluene, Solid	0.98	U		0.23	0.98	5.00000	mg/Kg	138519		12/23/04 0903	san
	4-Nitrotoluene, Solid	0.98	U		0.25	0.98	5.00000	mg/Kg	138519		12/23/04 0903	san
	3-Nitrotoluene, Solid	0.98	U		0.26	0.98	5.00000	mg/Kg	138519		12/23/04 0903	san

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:01/10/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sc-006-SD Date Sampled.....: 12/15/2004 Time Sampled.....: 12:17 Sample Matrix.....: Sediment			Laboratory Sample ID: 232829-4 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	77.4			0.10	0.10	1	%	137627		12/20/04 2303	clb
	% Solids, Solid	22.6			0.10	0.10	1	%	137627		12/20/04 2303	clb
9014/90108	Cyanide (Colorimetric)	0.65	U		0.20	0.65	1	mg/Kg	137796		12/20/04 1617	mtb
	Cyanide, Total, Solid*											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date:12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-012-SD
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232251-10
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	12.9			0.10	0.10	1	%	135552		11/29/04 1118	daj
	% Moisture, Solid	87.1			0.10	0.10	1	%	135552		11/29/04 1118	daj
7041	Antimony (GFAA) Antimony, Solid*	300			40	130	20	mg/Kg	136351		12/06/04 1615	daj
7841	Thallium (GFAA) Thallium, Solid*	2.7		U	0.85	2.7	1	mg/Kg	136346		12/06/04 2208	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	1.2			0.015	0.13	1	mg/Kg	135976		12/02/04 1454	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			1.8	23	1	mg/Kg	136189		12/03/04 2251	tds
	Barium, Solid*	4600			0.18	1.5	1	mg/Kg	136189		12/03/04 2251	tds
	Arsenic, Solid*	180			0.65	2.3	1	mg/Kg	136189		12/03/04 2251	tds
	Beryllium, Solid*	1.8			0.020	0.62	1	mg/Kg	136189		12/03/04 2251	tds
	Cadmium, Solid*	7.1			0.038	0.38	1	mg/Kg	136189		12/03/04 2251	tds
	Calcium, Solid*	90000			1.2	15	1	mg/Kg	136189		12/03/04 2251	tds
	Chromium, Solid*	210			0.17	1.5	1	mg/Kg	136189		12/03/04 2251	tds
	Cobalt, Solid*	9.6			0.094	0.77	1	mg/Kg	136189		12/03/04 2251	tds
	Copper, Solid*	470			0.49	4.6	1	mg/Kg	136189		12/03/04 2251	tds
	Iron, Solid*	35000			5.0	15	1	mg/Kg	136189		12/03/04 2251	tds
	Magnesium, Solid*	6500			1.7	15	1	mg/Kg	136189		12/03/04 2251	tds
	Manganese, Solid*	370			0.051	1.5	1	mg/Kg	136189		12/03/04 2251	tds
	Nickel, Solid*	41			0.17	1.5	1	mg/Kg	136189		12/03/04 2251	tds
	Lead, Solid*	23000			0.32	2.3	1	mg/Kg	136189		12/03/04 2251	tds
	Potassium, Solid*	1700			6.9	77	1	mg/Kg	136189		12/03/04 2251	tds

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sd-012-SD Date Sampled.....: 11/23/2004 Time Sampled.....: 10:40 Sample Matrix.....: Sediment			Laboratory Sample ID: 232251-10 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	3.4			0.77	2.3	1	mg/Kg	136189		12/03/04 2251	tds
	Silver, Solid*	1.2	B		0.17	1.5	1	mg/Kg	136189		12/03/04 2251	tds
	Sodium, Solid*	1300			130	460	1	mg/Kg	136189		12/03/04 2251	tds
	Vanadium, Solid*	32			0.14	1.5	1	mg/Kg	136189		12/03/04 2251	tds
	Zinc, Solid*	2000			6.1	15	5	mg/Kg	136318		12/06/04 1715	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADS

ATTN: Eric Ellis

Customer Sample ID: L10sd-012-SD
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232251-10
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

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	136462		12/03/04 1017	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	136462		12/03/04 1017	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	136462		12/03/04 1017	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	136462		12/03/04 1017	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	136462		12/03/04 1017	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	136462		12/03/04 1017	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	136462		12/03/04 1017	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	136462		12/03/04 1017	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	136462		12/03/04 1017	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.054	J	a	0.045	0.20	1.00000	mg/Kg	136462		12/03/04 1017	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	136462		12/03/04 1017	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	136462		12/03/04 1017	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	136462		12/03/04 1017	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	136462		12/03/04 1017	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-012-SD
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232251-10
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	12.9			0.10	0.10	1	%	135552		11/29/04 1118	daj
	% Solids, Solid	87.1			0.10	0.10	1	%	135552		11/29/04 1118	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	4.6		U	1.5	4.6	1	mg/Kg	137310		11/30/04 1353	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOPS

ATTN: Eric Ellis

Customer Sample ID: L10sd-D22-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 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	13.3			0.10	0.10	1	%	135929		12/02/04 1315	daj
	% Solids, Solid	86.7			0.10	0.10	1	%	135929		12/02/04 1315	daj
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	7.3	U		2.3	7.3	1	mg/Kg	136351		12/06/04 1627	daj
7841	Thallium (GFAA) Thallium, Solid*	3.1	U		0.99	3.1	1	mg/Kg	136346		12/06/04 2311	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.34			0.015	0.12	1	mg/Kg	137273		12/15/04 1334	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	19000			8.2	110	1	mg/Kg	137184		12/15/04 1407	tds
	Barium, Solid*	190			0.86	7.2	1	mg/Kg	137184		12/15/04 1407	tds
	Arsenic, Solid*	270			3.0	11	1	mg/Kg	137184		12/15/04 1407	tds
	Beryllium, Solid*	1.5	B		0.093	2.9	1	mg/Kg	137184		12/15/04 1407	tds
	Cadmium, Solid*	4.7			0.18	1.8	1	mg/Kg	137184		12/15/04 1407	tds
	Calcium, Solid*	12000			5.7	72	1	mg/Kg	137184		12/15/04 1407	tds
	Chromium, Solid*	270			0.79	7.2	1	mg/Kg	137184		12/15/04 1407	tds
	Cobalt, Solid*	8.4			0.44	3.6	1	mg/Kg	137184		12/15/04 1407	tds
	Copper, Solid*	980			2.3	21	1	mg/Kg	137184		12/15/04 1407	tds
	Iron, Solid*	49000			23	72	1	mg/Kg	137184		12/15/04 1407	tds
	Magnesium, Solid*	5900			8.1	72	1	mg/Kg	137184		12/15/04 1407	tds
	Manganese, Solid*	330			0.24	7.2	1	mg/Kg	137184		12/15/04 1407	tds
	Nickel, Solid*	33			0.79	7.2	1	mg/Kg	137184		12/15/04 1407	tds
	Lead, Solid*	39000			1.5	11	1	mg/Kg	137184		12/15/04 1407	tds
	Potassium, Solid*	2600			32	360	1	mg/Kg	137184		12/15/04 1407	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ROCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	6.6	B		3.6	11	1	mg/Kg	137184		12/15/04 1407	tds
	Silver, Solid*	1.1	B		0.79	7.2	1	mg/Kg	137184		12/15/04 1407	tds
	Sodium, Solid*	2100	U		610	2100	1	mg/Kg	137184		12/15/04 1407	tds
	Vanadium, Solid*	34			0.64	7.2	1	mg/Kg	137184		12/15/04 1407	tds
	Zinc, Solid*	1600			5.7	14	1	mg/Kg	137184		12/15/04 1407	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: HQE Engineers, Inc.

PROJECT: USACE RVAAP 14 ACCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Vinyl chloride, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Bromomethane, Solid*	380	U		98	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Chloroethane, Solid*	380	U		75	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,1-Dichloroethene, Solid*	380	U		98	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Carbon disulfide, Solid*	380	U		90	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Acetone, Solid*	1100	U		350	1100	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Methylene chloride, Solid*	750	U		220	750	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	trans-1,2-Dichloroethene, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,1-Dichloroethane, Solid*	380	U		75	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	cis-1,2-Dichloroethene, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	2-Butanone (MEK), Solid*	1100	U		290	1100	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Bromochloromethane, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Chloroform, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,1,1-Trichloroethane, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Carbon tetrachloride, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Benzene, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,2-Dichloroethane, Solid*	380	U		71	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Trichloroethene, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,2-Dichloropropane, Solid*	380	U		75	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Bromodichloromethane, Solid*	380	U		72	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	cis-1,3-Dichloropropene, Solid*	380	U		70	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	750	U		75	750	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Toluene, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	trans-1,3-Dichloropropane, Solid*	380	U		59	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,1,2-Trichloroethane, Solid*	380	U		83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Tetrachloroethene, Solid*	380	U		90	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	2-Hexanone, Solid*	750	U		83	750	10.0000	ug/Kg	136236		12/03/04 1444	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane, Solid*	380		U	59	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,2-Dibromoethane (EDB), Solid*	380		U	62	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Chlorobenzene, Solid*	380		U	83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Ethylbenzene, Solid*	380		U	83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	m&p-Xylenes, Solid*	750		U	170	750	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	o-Xylene, Solid*	380		U	83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Styrene, Solid*	380		U	83	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Bromoform, Solid*	380		U	56	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,1,2,2-Tetrachloroethane, Solid*	380		U	72	380	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	1,2-Dichloroethene (total), Solid*	750		U	160	750	10.0000	ug/Kg	136236		12/03/04 1444	jdj
	Xylenes (total), Solid*	750		U	260	750	10.0000	ug/Kg	136236		12/03/04 1444	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 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*	1200	U		53	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	500	U		66	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	1200	U		100	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	1200	U		110	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	1200	U		110	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Benzyl alcohol, 3541 Low Solid*	5000	U		550	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	500	U		78	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	1200	U		120	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	500	U		98	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Hexachloroethane, 3541 Low Solid*	1200	U		64	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	500	U		89	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2-Chlorophenol, 3541 Low Solid*	1200	U		100	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Nitrobenzene, 3541 Low Solid*	250	U		64	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	500	U		66	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	1200	U		100	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Benzoic acid, 3541 Low Solid*	5000	U	*	1500	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Isophorone, 3541 Low Solid*	1200	U		150	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	2500	U		120	2500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Hexachlorobutadiene, 3541 Low Solid*	1200	U		67	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Naphthalene, 3541 Low Solid*	18000	U		63	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	2500	U		120	2500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	4-Chloroaniline, 3541 Low Solid*	5000	U		400	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	1200	U		280	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	2500	U		330	2500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	7500	U		2300	7500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2-Methylnaphthalene, 3541 Low Solid*	28000	U		370	1200	5.00000	ug/Kg	137369	01	12/16/04 1955	dpk
	2-Nitroaniline, 3541 Low Solid*	1200	U	*	80	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2-Chloronaphthalene, 3541 Low Solid*	1200	U		120	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 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*	2500	U		260	2500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	250	U		69	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2-Nitrophenol, 3541 Low Solid*	2500	U		110	2500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	3-Nitroaniline, 3541 Low Solid*	5000	U		1000	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Dimethyl phthalate, 3541 Low Solid*	500	U		66	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	5000	U	*	770	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Acenaphthylene, 3541 Low Solid*	740	U	H	62	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	250	U		77	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Acenaphthene, 3541 Low Solid*	39000	U		310	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	Dibenzofuran, 3541 Low Solid*	37000	U		330	2500	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	4-Nitrophenol, 3541 Low Solid*	5000	U		1600	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Fluorene, 3541 Low Solid*	44000	U		340	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	4-Nitroaniline, 3541 Low Solid*	5000	U	*	330	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	1200	U		75	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Hexachlorobenzene, 3541 Low Solid*	250	U		71	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Diethyl phthalate, 3541 Low Solid*	500	U		71	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	1200	U		74	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Pentachlorophenol, 3541 Low Solid*	2500	U		830	2500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	250	U		77	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	5000	U	*	1300	5000	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Phenanthrene, 3541 Low Solid*	130000	U		1100	3700	10.00000	ug/Kg	137369	D2	12/17/04 1321	dpk
	Anthracene, 3541 Low Solid*	27000	U		410	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	Carbazole, 3541 Low Solid*	9600	U		88	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	1200	U		85	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Fluoranthene, 3541 Low Solid*	74000	U		400	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	Pyrene, 3541 Low Solid*	51000	U		450	1900	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	500	U		77	500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Benzo(a)anthracene, 3541 Low Solid*	25000	U		370	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	Chrysene, 3541 Low Solid*	24000	U		390	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 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*	1200		U	110	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Bis(2-ethylhexyl)phthalate, 3541 Low Soli*	1200		U	240	1200	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Di-n-octyl phthalate, 3541 Low Solid*	2500		U	77	2500	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Benzo(b)fluoranthene, 3541 Low Solid*	18000		M	330	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	Benzo(k)fluoranthene, 3541 Low Solid*	11000		M	350	1200	5.00000	ug/Kg	137369	D1	12/16/04 1955	dpk
	Benzo(a)pyrene, 3541 Low Solid*	11000			71	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	4900			76	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Dibenzo(a,h)anthracene, 3541 Low Solid*	2400			71	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
	Benzo(ghi)perylene, 3541 Low Solid*	4200			82	250	1.00000	ug/Kg	137369		12/16/04 1911	dpk
Method	% Solids Determination											
	% Solids, Solid	13.3			0.10	0.10	1	%	135929		12/02/04 1315	daj
	% Moisture, Solid	86.7			0.10	0.10	1	%	135929		12/02/04 1315	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364 Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AOCs

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 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	0.39	U	0.11	0.39	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	RDX, Solid	0.39	U	0.12	0.39	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	1,3,5-Trinitrobenzene, Solid	0.20	U	0.065	0.20	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	1,3-Dinitrobenzene, Solid	0.20	U	0.046	0.20	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	Nitrobenzene, Solid	0.20	U	0.042	0.20	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	2,4,6-TNT, Solid	0.20	U	0.047	0.20	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	Tetryl, Solid	0.79	U	0.24	0.79	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	2,4-Dinitrotoluene, Solid	0.20	U	0.051	0.20	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	2,6-Dinitrotoluene, Solid	11		0.096	0.39	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	1.7		0.090	0.39	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.86		0.19	0.59	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	2-Nitrotoluene, Solid	0.39	U	0.094	0.39	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	4-Nitrotoluene, Solid	0.39	U	0.099	0.39	2.00000	mg/Kg	137337		12/16/04 1912	bdw
	3-Nitrotoluene, Solid	0.39	U	0.11	0.39	2.00000	mg/Kg	137337		12/16/04 1912	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sd-022-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:35
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-7
 Date Received.....: 12/02/2004
 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	13.3			0.10	0.10	1	%	135929		12/02/04 1315	daj
	% Solids, Solid	86.7			0.10	0.10	1	%	135929		12/02/04 1315	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	4.3		U	1.4	4.3	1	mg/Kg	136387		12/07/04 1156	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP TA AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-024-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:55
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-6
 Date Received.....: 12/02/2004
 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	47.0			0.10	0.10	1	%	135929		12/02/04 1313	daj
	% Solids, Solid	53.0			0.10	0.10	1	%	135929		12/02/04 1313	daj
	% Moisture, Solid											
7041	Antimony (GFAA) Antimony, Solid*	1.8		U	0.56	1.8	1	mg/Kg	136351		12/06/04 1509	daj
7841	Thallium (GFAA) Thallium, Solid*	0.76		U	0.24	0.76	1	mg/Kg	136346		12/06/04 2221	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.024		B	0.0041	0.035	1	mg/Kg	137273		12/15/04 1332	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	7800			2.2	29	1	mg/Kg	137184		12/15/04 1337	tds
	Barium, Solid*	47			0.23	1.9	1	mg/Kg	137184		12/15/04 1337	tds
	Arsenic, Solid*	35			0.80	2.9	1	mg/Kg	137184		12/15/04 1337	tds
	Beryllium, Solid*	0.58		B	0.025	0.76	1	mg/Kg	137184		12/15/04 1337	tds
	Cadmium, Solid*	0.48		U	0.048	0.48	1	mg/Kg	137184		12/15/04 1337	tds
	Calcium, Solid*	1700			1.5	19	1	mg/Kg	137184		12/15/04 1337	tds
	Chromium, Solid*	19			0.21	1.9	1	mg/Kg	137184		12/15/04 1337	tds
	Cobalt, Solid*	8.5			0.12	0.96	1	mg/Kg	137184		12/15/04 1337	tds
	Copper, Solid*	35			0.61	5.7	1	mg/Kg	137184		12/15/04 1337	tds
	Iron, Solid*	21000			6.2	19	1	mg/Kg	137184		12/15/04 1337	tds
	Magnesium, Solid*	2200			2.2	19	1	mg/Kg	137184		12/15/04 1337	tds
	Manganese, Solid*	240			0.063	1.9	1	mg/Kg	137184		12/15/04 1337	tds
	Nickel, Solid*	19			0.21	1.9	1	mg/Kg	137184		12/15/04 1337	tds
	Lead, Solid*	77			0.40	2.9	1	mg/Kg	137184		12/15/04 1337	tds
	Potassium, Solid*	1300			8.6	96	1	mg/Kg	137184		12/15/04 1337	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

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

Customer Sample ID: L10sd-024-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:55
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-6
 Date Received.....: 12/02/2004
 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	0.96	2.9	1	mg/Kg	137184		12/15/04 1337	tds
	Silver, Solid*	1.9		U	0.21	1.9	1	mg/Kg	137184		12/15/04 1337	tds
	Sodium, Solid*	330		B	160	570	1	mg/Kg	137184		12/15/04 1337	tds
	Vanadium, Solid*	16			0.17	1.9	1	mg/Kg	137184		12/15/04 1337	tds
	Zinc, Solid*	150			1.5	3.8	1	mg/Kg	137184		12/15/04 1337	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364 Date: 12/17/2004

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

Customer Sample ID: L10sd-024-SD Laboratory Sample ID: 232364-6
 Date Sampled.....: 11/30/2004 Date Received.....: 12/02/2004
 Time Sampled.....: 15:55 Time Received.....: 09:45
 Sample Matrix.....: Sediment

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	137337		12/08/04 1347	bdw
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137337		12/08/04 1347	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137337		12/08/04 1347	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sd-024-SD
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:55
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232364-6
 Date Received.....: 12/02/2004
 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	47.0			0.10	0.10	1	%	135929		12/02/04 1313	daj
	% Solids, Solid	53.0			0.10	0.10	1	%	135929		12/02/04 1313	daj
	% Moisture, Solid											
9014/9010B	Cyanide (Colorimetric) Cyanide, Total, Solid*	1.0	U		0.33	1.0	1	mg/Kg	136387		12/07/04 1156	mtb

* 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 AQCS

ATTN: Eric Ellis

Customer Sample ID: F16sd-001M-SD
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231715-11
 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	75.5			0.10	0.10	1	%	133522		11/08/04 1219	daj
	% Moisture, Solid	24.5			0.10	0.10	1	%	133522		11/08/04 1219	daj
7041	Antimony (GFAA) Antimony, Solid*	1.6		U	0.50	1.6	1	mg/Kg	134362		11/13/04 1647	daj
7641	Thallium (GFAA) Thallium, Solid*	0.68		U	0.21	0.68	1	mg/Kg	134377		11/14/04 0856	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.032			0.0057	0.022	1	mg/Kg	134643		11/16/04 1622	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			3.1	19	1	mg/Kg	134454		11/15/04 1436	tds
	Barium, Solid*	71			0.21	1.3	1	mg/Kg	134454		11/15/04 1436	tds
	Arsenic, Solid*	12			0.65	1.9	1	mg/Kg	134454		11/15/04 1436	tds
	Beryllium, Solid*	0.70			0.056	0.51	1	mg/Kg	134454		11/15/04 1436	tds
	Cadmium, Solid*	0.32		U	0.10	0.32	1	mg/Kg	134454		11/15/04 1436	tds
	Calcium, Solid*	2300			4.0	13	1	mg/Kg	134454		11/15/04 1436	tds
	Chromium, Solid*	20			0.28	1.3	1	mg/Kg	134454		11/15/04 1436	tds
	Cobalt, Solid*	8.0			0.18	0.64	1	mg/Kg	134454		11/15/04 1436	tds
	Copper, Solid*	19			1.2	3.9	1	mg/Kg	134454		11/15/04 1436	tds
	Iron, Solid*	25000			3.9	13	1	mg/Kg	134454		11/15/04 1436	tds
	Magnesium, Solid*	2700			2.2	13	1	mg/Kg	134454		11/15/04 1436	tds
	Manganese, Solid*	410			0.17	1.3	1	mg/Kg	134454		11/15/04 1436	tds
	Nickel, Solid*	20			0.32	1.3	1	mg/Kg	134454		11/15/04 1436	tds
	Lead, Solid*	29			0.55	1.9	1	mg/Kg	134454		11/15/04 1436	tds
	Potassium, Solid*	1400			18	64	1	mg/Kg	134454		11/15/04 1436	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 ADCS				ATTN: Eric Ellis					
Customer Sample ID: F16sd-001M-SD Date Sampled.....: 11/03/2004 Time Sampled.....: 15:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231715-11 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*	1.9	U		0.51	1.9	1	mg/Kg	134454		11/15/04 1436	tds
	Silver, Solid*	1.3	U		0.40	1.3	1	mg/Kg	134454		11/15/04 1436	tds
	Sodium, Solid*	320	B		110	390	1	mg/Kg	134454		11/15/04 1436	tds
	Vanadium, Solid*	22			0.27	1.3	1	mg/Kg	134454		11/15/04 1436	tds
	Zinc, Solid*	87			0.51	2.6	1	mg/Kg	134454		11/15/04 1436	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS					Date: 11/18/2004					
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AGES			ATTN: Eric EIKTs						
Customer Sample ID: F16sd-001M-SD Date Sampled.....: 11/03/2004 Time Sampled.....: 15:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231715-11 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
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134769		11/11/04 0313	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134769		11/11/04 0313	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.032	0.099	1.00000	mg/Kg	134769		11/11/04 0313	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134769		11/11/04 0313	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	134769		11/11/04 0313	san
	2,4,6-TNT, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	134769		11/11/04 0313	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134769		11/11/04 0313	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	134769		11/11/04 0313	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0313	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0313	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	134769		11/11/04 0313	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134769		11/11/04 0313	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0313	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0313	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 RYAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sd-001M-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231715-10
 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	72.1			0.10	0.10	1	%	133522		11/08/04 1217	daj
	% Moisture, Solid	27.9			0.10	0.10	1	%	133522		11/08/04 1217	daj
7041	Antimony (GFAA) Antimony, Solid*	1.9		U	0.59	1.9	1	mg/Kg	134362		11/13/04 1637	daj
7841	Thallium (GFAA) Thallium, Solid*	0.80		U	0.25	0.80	1	mg/Kg	134377		11/14/04 0843	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.033			0.0060	0.023	1	mg/Kg	134643		11/16/04 1620	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			3.1	19	1	mg/Kg	134454		11/15/04 1430	tds
	Barium, Solid*	65			0.20	1.3	1	mg/Kg	134454		11/15/04 1430	tds
	Arsenic, Solid*	11			0.65	1.9	1	mg/Kg	134454		11/15/04 1430	tds
	Beryllium, Solid*	0.72			0.056	0.51	1	mg/Kg	134454		11/15/04 1430	tds
	Cadmium, Solid*	0.18		B	0.10	0.32	1	mg/Kg	134454		11/15/04 1430	tds
	Calcium, Solid*	2700			3.9	13	1	mg/Kg	134454		11/15/04 1430	tds
	Chromium, Solid*	17			0.28	1.3	1	mg/Kg	134454		11/15/04 1430	tds
	Cobalt, Solid*	8.8			0.18	0.64	1	mg/Kg	134454		11/15/04 1430	tds
	Copper, Solid*	19			1.1	3.8	1	mg/Kg	134454		11/15/04 1430	tds
	Iron, Solid*	22000			3.8	13	1	mg/Kg	134454		11/15/04 1430	tds
	Magnesium, Solid*	2600			2.2	13	1	mg/Kg	134454		11/15/04 1430	tds
	Manganese, Solid*	410			0.17	1.3	1	mg/Kg	134454		11/15/04 1430	tds
	Nickel, Solid*	20			0.32	1.3	1	mg/Kg	134454		11/15/04 1430	tds
	Lead, Solid*	28			0.55	1.9	1	mg/Kg	134454		11/15/04 1430	tds
	Potassium, Solid*	1400			18	64	1	mg/Kg	134454		11/15/04 1430	tds

* In Description = Dry Wgt.

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Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004					
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: F16sd-001M-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 15:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 231715-10 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*	1.9	U		0.51	1.9	1	mg/Kg	134454		11/15/04 1430	tds	
	Silver, Solid*	1.3	U		0.39	1.3	1	mg/Kg	134454		11/15/04 1430	tds	
	Sodium, Solid*	330	B		110	380	1	mg/Kg	134454		11/15/04 1430	tds	
	Vanadium, Solid*	21			0.27	1.3	1	mg/Kg	134454		11/15/04 1430	tds	
	Zinc, Solid*	120			0.51	2.5	1	mg/Kg	134454		11/15/04 1430	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 RVRAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sd-001M-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231715-10
 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		11/11/04 0241	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	134769		11/11/04 0241	san
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	134769		11/11/04 0241	san
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134769		11/11/04 0241	san
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	134769		11/11/04 0241	san
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	134769		11/11/04 0241	san
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	134769		11/11/04 0241	san
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	134769		11/11/04 0241	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0241	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0241	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	134769		11/11/04 0241	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	134769		11/11/04 0241	san
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0241	san
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	134769		11/11/04 0241	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: F16sd-002M-SD
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Sediment

Laboratory Sample ID: 231715-9
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	33.8			0.10	0.10	1	%	133522		11/08/04 1215	daj
	% Moisture, Solid	66.2			0.10	0.10	1	%	133522		11/08/04 1215	daj
7041	Antimony (GFAA) Antimony, Solid*	4.1		U	1.3	4.1	1	mg/Kg	134362		11/13/04 1627	daj
7841	Thallium (GFAA) Thallium, Solid*	1.7		U	0.55	1.7	1	mg/Kg	134377		11/14/04 0804	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.036		B	0.013	0.049	1	mg/Kg	134643		11/16/04 1618	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			6.6	41	1	mg/Kg	134454		11/15/04 1423	tds
	Barium, Solid*	93			0.44	2.7	1	mg/Kg	134454		11/15/04 1423	tds
	Arsenic, Solid*	8.0			1.4	4.1	1	mg/Kg	134454		11/15/04 1423	tds
	Beryllium, Solid*	0.91		B	0.12	1.1	1	mg/Kg	134454		11/15/04 1423	tds
	Cadmium, Solid*	0.24		B	0.22	0.68	1	mg/Kg	134454		11/15/04 1423	tds
	Calcium, Solid*	17000			8.5	27	1	mg/Kg	134454		11/15/04 1423	tds
	Chromium, Solid*	18			0.60	2.7	1	mg/Kg	134454		11/15/04 1423	tds
	Cobalt, Solid*	11			0.38	1.4	1	mg/Kg	134454		11/15/04 1423	tds
	Copper, Solid*	19			2.5	8.2	1	mg/Kg	134454		11/15/04 1423	tds
	Iron, Solid*	24000			8.2	27	1	mg/Kg	134454		11/15/04 1423	tds
	Magnesium, Solid*	4700			4.7	27	1	mg/Kg	134454		11/15/04 1423	tds
	Manganese, Solid*	460			0.36	2.7	1	mg/Kg	134454		11/15/04 1423	tds
	Nickel, Solid*	25			0.68	2.7	1	mg/Kg	134454		11/15/04 1423	tds
	Lead, Solid*	17			1.2	4.1	1	mg/Kg	134454		11/15/04 1423	tds
	Potassium, Solid*	2000			38	140	1	mg/Kg	134454		11/15/04 1423	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 ADCS			ATTN: Eric Ellis						
Customer Sample ID: F16sd-002M-SD			Laboratory Sample ID: 231715-9									
Date Sampled.....: 11/03/2004			Date Received.....: 11/05/2004									
Time Sampled.....: 15:50			Time Received.....: 09:30									
Sample Matrix.....: Sediment												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	4.1	U		1.1	4.1	1	mg/Kg	134454		11/15/04 1423	tds
	Silver, Solid*	2.7	U		0.85	2.7	1	mg/Kg	134454		11/15/04 1423	tds
	Sodium, Solid*	420	B		240	820	1	mg/Kg	134454		11/15/04 1423	tds
	Vanadium, Solid*	23			0.57	2.7	1	mg/Kg	134454		11/15/04 1423	tds
	Zinc, Solid*	100			1.1	5.5	1	mg/Kg	134454		11/15/04 1423	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 ACSS				ATTN: Eric Ellis					
Customer Sample ID: F16sd-002M-SD Date Sampled.....: 11/03/2004 Time Sampled.....: 15:50 Sample Matrix.....: Sediment			Laboratory Sample ID: 231715-9 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)											
	HNX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	134769		11/11/04 0208	san
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	134769		11/11/04 0208	san
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	134769		11/11/04 0208	san
	1,3-Dinitrobenzene, Solid	0.10	U		0.023	0.10	1.00000	mg/Kg	134769		11/11/04 0208	san
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	134769		11/11/04 0208	san
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	134769		11/11/04 0208	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	134769		11/11/04 0208	san
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	134769		11/11/04 0208	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	134769		11/11/04 0208	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	134769		11/11/04 0208	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	134769		11/11/04 0208	san
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	134769		11/11/04 0208	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	134769		11/11/04 0208	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	134769		11/11/04 0208	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232540

Date: 01/03/2005

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-001-SD
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232540-12
 Date Received.....: 12/08/2004
 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	54.6		0.10	0.10	1	%	136535		12/08/04 1438	daj
	% Moisture, Solid	45.4		0.10	0.10	1	%	136535		12/08/04 1438	daj
7041	Antimony (GFAA) Antimony, Solid*	0.84	B	0.71	2.3	1	mg/Kg	137113		12/14/04 1215	daj
7841	Thallium (GFAA) Thallium, Solid*	0.97	U	0.31	0.97	1	mg/Kg	137109		12/14/04 2213	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	5.2		0.089	0.76	25	mg/Kg	137147		12/15/04 1629	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	8300		1.7	22	?	mg/Kg	137670		12/21/04 0329	tds
	Barium, Solid*	150		0.17	1.4	?	mg/Kg	137670		12/21/04 0329	tds
	Arsenic, Solid*	17		0.61	2.2	1	mg/Kg	137670		12/21/04 0329	tds
	Beryllium, Solid*	0.62		0.019	0.58	1	mg/Kg	137670		12/21/04 0329	tds
	Cadmium, Solid*	0.92		0.036	0.36	1	mg/Kg	137830		12/21/04 1604	tds
	Calcium, Solid*	10000		1.1	14	1	mg/Kg	137670		12/21/04 0329	tds
	Chromium, Solid*	30		0.16	1.4	1	mg/Kg	137670		12/21/04 0329	tds
	Cobalt, Solid*	9.2		0.088	0.72	1	mg/Kg	137670		12/21/04 0329	tds
	Copper, Solid*	61		0.46	4.3	1	mg/Kg	137670		12/21/04 0329	tds
	Iron, Solid*	36000		4.7	14	1	mg/Kg	137670		12/21/04 0329	tds
	Magnesium, Solid*	3200		1.6	14	1	mg/Kg	137670		12/21/04 0329	tds
	Manganese, Solid*	580		0.048	1.4	1	mg/Kg	137830		12/21/04 1604	tds
	Nickel, Solid*	29		0.16	1.4	1	mg/Kg	137670		12/21/04 0329	tds
	Lead, Solid*	170		0.30	2.2	1	mg/Kg	137670		12/21/04 0329	tds
	Potassium, Solid*	1100		6.5	72	1	mg/Kg	137670		12/21/04 0329	tds

* In Description = Dry Wgt.

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Job Number: 232540		LABORATORY TEST RESULTS						Date:01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-001-SD Date Sampled.....: 12/07/2004 Time Sampled.....: 10:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232540-12 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.2	U		0.72	2.2	1	mg/Kg	137670		12/21/04 0329	tds
	Silver, Solid*	0.18	B		0.16	1.4	1	mg/Kg	137670		12/21/04 0329	tds
	Sodium, Solid*	380	B		120	430	1	mg/Kg	137670		12/21/04 0329	tds
	Vanadium, Solid*	36			0.13	1.4	1	mg/Kg	137670		12/21/04 0329	tds
	Zinc, Solid*	210			1.1	2.9	1	mg/Kg	137670		12/21/04 0329	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: ERIC ELLIS

Customer Sample ID: ASYsd-001-SD
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232540-12
 Date Received.....: 12/08/2004
 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	137761		12/16/04 1702	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	1,3,5-Trinitrobenzene, Solid	0.098	U		0.032	0.098	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	1,3-Dinitrobenzene, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	Nitrobenzene, Solid	0.098	U		0.021	0.098	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	2,4,6-TNT, Solid	0.098	U		0.023	0.098	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	Tetryl, Solid	0.39	U		0.12	0.39	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	2,4-Dinitrotoluene, Solid	0.098	U		0.025	0.098	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.29	U		0.093	0.29	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	4-Nitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	137761		12/16/04 1702	bdw
	3-Nitrotoluene, Solid	0.20	U		0.052	0.20	1.00000	mg/Kg	137761		12/16/04 1702	bdw

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232540

Date: 01/03/2005

CUSTOMER: HDI Engineers, Inc.

PROJECT: USACE RAMP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-001-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232540-13
 Date Received.....: 12/08/2004
 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	61.7			0.10	0.10	1	%	136535		12/08/04 1440	daj
	% Moisture, Solid	38.3			0.10	0.10	1	%	136535		12/08/04 1440	daj
7041	Antimony (GFAA) Antimony, Solid*	0.78		B	0.68	2.2	1	mg/Kg	137113		12/14/04 1252	daj
7841	Thallium (GFAA) Thallium, Solid*	0.93		U	0.29	0.93	1	mg/Kg	137109		12/14/04 2225	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	1.6			0.016	0.13	5	mg/Kg	137147		12/15/04 1621	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	7000			1.7	23	1	mg/Kg	137670		12/21/04 0335	tds
	Barium, Solid*	110			0.18	1.5	1	mg/Kg	137670		12/21/04 0335	tds
	Arsenic, Solid*	17			0.64	2.3	1	mg/Kg	137670		12/21/04 0335	tds
	Beryllium, Solid*	0.53		B	0.020	0.61	1	mg/Kg	137670		12/21/04 0335	tds
	Cadmium, Solid*	0.34		B	0.038	0.38	1	mg/Kg	137830		12/21/04 1610	tds
	Calcium, Solid*	7900			1.2	15	1	mg/Kg	137670		12/21/04 0335	tds
	Chromium, Solid*	28			0.17	1.5	1	mg/Kg	137670		12/21/04 0335	tds
	Cobalt, Solid*	9.2			0.092	0.76	1	mg/Kg	137670		12/21/04 0335	tds
	Copper, Solid*	57			0.48	4.5	1	mg/Kg	137670		12/21/04 0335	tds
	Iron, Solid*	42000			4.9	15	1	mg/Kg	137670		12/21/04 0335	tds
	Magnesium, Solid*	2700			1.7	15	1	mg/Kg	137670		12/21/04 0335	tds
	Manganese, Solid*	540			0.050	1.5	1	mg/Kg	137830		12/21/04 1610	tds
	Nickel, Solid*	32			0.17	1.5	1	mg/Kg	137670		12/21/04 0335	tds
	Lead, Solid*	85			0.32	2.3	1	mg/Kg	137670		12/21/04 0335	tds
	Potassium, Solid*	910			6.8	76	1	mg/Kg	137670		12/21/04 0335	tds

* In Description = Dry Wgt.

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Job Number: 232540 LABORATORY TEST RESULTS Date: 01/03/2005

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

Customer Sample ID: ASYsd-001-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232540-13
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.3		U	0.76	2.3	1	mg/Kg	137670		12/21/04 0335	tds
	Silver, Solid*	1.5		U	0.17	1.5	1	mg/Kg	137670		12/21/04 0335	tds
	Sodium, Solid*	340		B	130	450	1	mg/Kg	137670		12/21/04 0335	tds
	Vanadium, Solid*	33			0.14	1.5	1	mg/Kg	137670		12/21/04 0335	tds
	Zinc, Solid*	170			1.2	3.0	1	mg/Kg	137670		12/21/04 0335	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232540 Date: 12/21/2004

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

Customer Sample ID: ASYsd-001-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232540-13
 Date Received.....: 12/08/2004
 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	137761		12/16/04 1734	bdw
	RDX, Solid	0.20	U		0.063	0.20	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	1,3,5-Trinitrobenzene, Solid	0.10	U		0.033	0.10	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	1,3-Dinitrobenzene, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	Nitrobenzene, Solid	0.10	U		0.021	0.10	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	2,4,6-TNT, Solid	0.10	U		0.024	0.10	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	2,4-Dinitrotoluene, Solid	0.10	U		0.026	0.10	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.049	0.20	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.046	0.20	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.094	0.30	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	2-Nitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137761		12/16/04 1734	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137761		12/16/04 1734	bdw

* In Description = Dry Wgt.

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Job Number: 232540		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: KKH Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-002-SD Date Sampled.....: 12/07/2004 Time Sampled.....: 11:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232540-11 Date Received.....: 12/08/2004 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	68.7			0.10	0.10	1	%	136535		12/08/04 1436	daj
	% Moisture, Solid	31.3			0.10	0.10	1	%	136535		12/08/04 1436	daj
704f	Antimony (GFAA) Antimony, Solid*	1.7		U	0.55	1.7	1	mg/Kg	137113		12/14/04 1138	daj
7841	Thallium (GFAA) Thallium, Solid*	0.29		S	0.24	0.75	1	mg/Kg	137109		12/14/04 1402	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.78			0.014	0.12	5	mg/Kg	136906		12/10/04 1359	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	5100			1.2	15	1	mg/Kg	137670		12/21/04 0234	tds
	Barium, Solid*	110			0.12	1.0	1	mg/Kg	137670		12/21/04 0234	tds
	Arsenic, Solid*	13			0.43	1.5	1	mg/Kg	137670		12/21/04 0234	tds
	Beryllium, Solid*	0.47			0.013	0.41	1	mg/Kg	137670		12/21/04 0234	tds
	Cadmium, Solid*	0.25		U	0.025	0.25	1	mg/Kg	137830		12/21/04 1533	tds
	Calcium, Solid*	3100			0.80	10	1	mg/Kg	137670		12/21/04 0234	tds
	Chromium, Solid*	18			0.11	1.0	1	mg/Kg	137670		12/21/04 0234	tds
	Cobalt, Solid*	6.8			0.062	0.51	1	mg/Kg	137670		12/21/04 0234	tds
	Copper, Solid*	42			0.33	3.1	1	mg/Kg	137670		12/21/04 0234	tds
	Iron, Solid*	47000			3.3	10	1	mg/Kg	137670		12/21/04 0234	tds
	Magnesium, Solid*	1600			1.2	10	1	mg/Kg	137670		12/21/04 0234	tds
	Manganese, Solid*	440			0.034	1.0	1	mg/Kg	137830		12/21/04 1533	tds
	Nickel, Solid*	18			0.11	1.0	1	mg/Kg	137670		12/21/04 0234	tds
	Lead, Solid*	160			0.21	1.5	1	mg/Kg	137670		12/21/04 0234	tds
	Potassium, Solid*	550			4.6	51	1	mg/Kg	137670		12/21/04 0234	tds

* In Description = Dry Wgt.

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Job Number: 232540		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-002-SD Date Sampled.....: 12/07/2004 Time Sampled.....: 11:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232540-11 Date Received.....: 12/08/2004 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	0.51	1.5	1	mg/Kg	137670		12/21/04 0234	tds	
	Silver, Solid*	1.0	U	0.11	1.0	1	mg/Kg	137670		12/21/04 0234	tds	
	Sodium, Solid*	330		87	310	1	mg/Kg	137670		12/21/04 0234	tds	
	Vanadium, Solid*	28		0.092	1.0	1	mg/Kg	137670		12/21/04 0234	tds	
	Zinc, Solid*	270		0.80	2.0	1	mg/Kg	137670		12/21/04 0234	tds	

* In Description = Dry Wgt.

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Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: H&M Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-002-SD Date Sampled.....: 12/07/2004 Time Sampled.....: 11:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232540-11 Date Received.....: 12/08/2004 Time Received.....: 09:30									
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	137761		12/16/04 1524	bdw
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	2-Amino-4,6-Dinitrotoluene, Solid	0.12	J	a	0.045	0.20	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137761		12/16/04 1524	bdw
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137761		12/16/04 1524	bdw

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: H&M Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-008-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 14:50 Sample Matrix.....: Sediment			Laboratory Sample ID: 232603-14 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	32.1			0.10	0.10	1	%	136655		12/09/04 1430	daj
	% Moisture, Solid	67.9			0.10	0.10	1	%	136655		12/09/04 1430	daj
7041	Antimony (GFAA) Antimony, Solid*	3.7		U	1.2	3.7	1	mg/Kg	137113		12/14/04 1731	daj
7841	Thallium (GFAA) Thallium, Solid*	1.6		U	0.50	1.6	1	mg/Kg	137109		12/15/04 0022	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.12			0.0061	0.051	1	mg/Kg	137477		12/17/04 1446	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.7	36	1	mg/Kg	137670		12/21/04 0445	tds
	Barium, Solid*	150			0.28	2.4	1	mg/Kg	137670		12/21/04 0445	tds
	Arsenic, Solid*	9.9			0.99	3.6	1	mg/Kg	137670		12/21/04 0445	tds
	Beryllium, Solid*	2.0			0.031	0.95	1	mg/Kg	137670		12/21/04 0445	tds
	Cadmium, Solid*	0.49		B	0.059	0.59	1	mg/Kg	137830		12/21/04 1737	tds
	Calcium, Solid*	42000			1.9	24	1	mg/Kg	137670		12/21/04 0445	tds
	Chromium, Solid*	20			0.26	2.4	1	mg/Kg	137670		12/21/04 0445	tds
	Cobalt, Solid*	7.8			0.14	1.2	1	mg/Kg	137670		12/21/04 0445	tds
	Copper, Solid*	23			0.76	7.1	1	mg/Kg	137670		12/21/04 0445	tds
	Iron, Solid*	19000			7.7	24	1	mg/Kg	137670		12/21/04 0445	tds
	Magnesium, Solid*	7200			2.7	24	1	mg/Kg	137670		12/21/04 0445	tds
	Manganese, Solid*	1000			0.078	2.4	1	mg/Kg	137830		12/21/04 1737	tds
	Nickel, Solid*	19			0.26	2.4	1	mg/Kg	137670		12/21/04 0445	tds
	Lead, Solid*	48			0.50	3.6	1	mg/Kg	137670		12/21/04 0445	tds
	Potassium, Solid*	1700			11	120	1	mg/Kg	137670		12/21/04 0445	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-008-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-14
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	NMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	137892		12/22/04 0247	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	137892		12/22/04 0247	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	137892		12/22/04 0247	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	137892		12/22/04 0247	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	137892		12/22/04 0247	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	137892		12/22/04 0247	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	137892		12/22/04 0247	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	137892		12/22/04 0247	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	137892		12/22/04 0247	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	137892		12/22/04 0247	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	137892		12/22/04 0247	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	137892		12/22/04 0247	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	137892		12/22/04 0247	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	137892		12/22/04 0247	san

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKH Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-010-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 09:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232603-1 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	8.6			0.10	0.10	1	%	136655		12/09/04 1423	daj
	% Moisture, Solid	91.4			0.10	0.10	1	%	136655		12/09/04 1423	daj
7041	Antimony (GFAA) Antimony, Solid*	14		U	4.5	14	1	mg/Kg	137113		12/14/04 1353	daj
7841	Thallium (GFAA) Thallium, Solid*	6.1		U	1.9	6.1	1	mg/Kg	137109		12/14/04 2333	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.20			0.023	0.19	1	mg/Kg	137477		12/17/04 1439	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9800			7.8	100	1	mg/Kg	137670		12/21/04 0400	tds
	Barium, Solid*	110			0.82	6.8	1	mg/Kg	137670		12/21/04 0400	tds
	Arsenic, Solid*	8.0		B	2.9	10	1	mg/Kg	137670		12/21/04 0400	tds
	Beryllium, Solid*	0.80		B	0.089	2.7	1	mg/Kg	137670		12/21/04 0400	tds
	Cadmium, Solid*	2.0			0.17	1.7	1	mg/Kg	137830		12/21/04 1709	tds
	Calcium, Solid*	9000			5.4	68	1	mg/Kg	137670		12/21/04 0400	tds
	Chromium, Solid*	26			0.75	6.8	1	mg/Kg	137670		12/21/04 0400	tds
	Cobalt, Solid*	6.9			0.42	3.4	1	mg/Kg	137670		12/21/04 0400	tds
	Copper, Solid*	51			2.2	20	1	mg/Kg	137670		12/21/04 0400	tds
	Iron, Solid*	11000			22	68	1	mg/Kg	137670		12/21/04 0400	tds
	Magnesium, Solid*	1900			7.7	68	1	mg/Kg	137670		12/21/04 0400	tds
	Manganese, Solid*	170			0.23	6.8	1	mg/Kg	137830		12/21/04 1709	tds
	Nickel, Solid*	25			0.75	6.8	1	mg/Kg	137670		12/21/04 0400	tds
	Lead, Solid*	66			1.4	10	1	mg/Kg	137670		12/21/04 0400	tds
	Potassium, Solid*	1400			31	340	1	mg/Kg	137670		12/21/04 0400	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-010-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	14			3.4	.10	1	mg/Kg	137670		12/21/04 0400	tds
	Silver, Solid*	6.8	U		0.75	6.8	1	mg/Kg	137670		12/21/04 0400	tds
	Sodium, Solid*	2000	U		580	2000	1	mg/Kg	137670		12/21/04 0400	tds
	Vanadium, Solid*	56			0.61	6.8	1	mg/Kg	137670		12/21/04 0400	tds
	Zinc, Solid*	520			5.4	14	1	mg/Kg	137670		12/21/04 0400	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232603				Date: 12/22/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsd-010-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 09:45 Sample Matrix.....: Sediment						Laboratory Sample ID: 232603-1 Date Received.....: 12/09/2004 Time Received.....: 10:00						
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*	390	U		37	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	beta-BHC, 3541 Solid*	390	U		34	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	delta-BHC, 3541 Solid*	390	U		25	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	gamma-BHC (Lindane), 3541 Solid*	390	U		52	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Heptachlor, 3541 Solid*	390	U		41	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Aldrin, 3541 Solid*	390	U		30	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Heptachlor epoxide, 3541 Solid*	390	U		32	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Endosulfan I, 3541 Solid*	390	U	*	62	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Dieldrin, 3541 Solid*	390	U		78	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	4,4'-DDE, 3541 Solid*	460	U		150	460	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Endrin, 3541 Solid*	390	U		98	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Endosulfan II, 3541 Solid*	390	U		64	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	4,4'-DDD, 3541 Solid*	390	U		82	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Endosulfan sulfate, 3541 Solid*	390	U		66	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	4,4'-DDT, 3541 Solid*	390	U		84	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Methoxychlor, 3541 Solid*	1900	U		520	1900	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	alpha-Chlordane, 3541 Solid*	390	U		27	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	gamma-Chlordane, 3541 Solid*	390	U		34	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Endrin aldehyde, 3541 Solid*	390	U		75	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Endrin ketone, 3541 Solid*	390	U		66	390	20.0000	ug/Kg	137886		12/14/04 1739	kdl
	Toxaphene, 3541 Solid*	3800	U		1000	3800	20.0000	ug/Kg	137886		12/14/04 1739	kdl
Method	% Solids Determination											
	% Solids, Solid	8.6			0.10	0.10	1	%	136655		12/09/04 1423	daj
	% Moisture, Solid	91.4			0.10	0.10	1	%	136655		12/09/04 1423	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsd-010-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

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*	380	U		100	380	1.00000	ug/Kg	137904		12/13/04 1814	pjg
	Aroclor 1221, 3541 Solid*	380	U		52	380	1.00000	ug/Kg	137904		12/13/04 1814	pjg
	Aroclor 1232, 3541 Solid*	190	U		51	190	1.00000	ug/Kg	137904		12/13/04 1814	pjg
	Aroclor 1242, 3541 Solid*	380	U		56	380	1.00000	ug/Kg	137904		12/13/04 1814	pjg
	Aroclor 1248, 3541 Solid*	190	U		42	190	1.00000	ug/Kg	137904		12/13/04 1814	pjg
	Aroclor 1254, 3541 Solid*	380	U		51	380	1.00000	ug/Kg	137904		12/13/04 1814	pjg
	Aroclor 1260, 3541 Solid*	380	U		140	380	1.00000	ug/Kg	137904		12/13/04 1814	pjg
Method	% Solids Determination											
	% Solids, Solid	8.6			0.10	0.10	1	%	136655		12/09/04 1423	daj
	% Moisture, Solid	91.4			0.10	0.10	1	%	136655		12/09/04 1423	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/03/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsd-010-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	8.6			0.10	0.10	1	%	136655		12/09/04 1423	daj
	% Solids, Solid											
	% Moisture, Solid	91.4			0.10	0.10	1	%	136655		12/09/04 1423	daj
8260B	Volatile Organics											
	Chloromethane, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Vinyl chloride, Solid*	580	U	*	130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Bromomethane, Solid*	580	U		150	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Chloroethane, Solid*	580	U		120	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,1-Dichloroethene, Solid*	580	U		150	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Carbon disulfide, Solid*	580	U		140	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Acetone, Solid*	710	U	*	530	1700	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Methylene chloride, Solid*	1200	U		340	1200	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	trans-1,2-Dichloroethene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,1-Dichloroethane, Solid*	580	U		120	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	cis-1,2-Dichloroethene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	2-Butanone (MEK), Solid*	1700	U		450	1700	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Bromochloromethane, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Chloroform, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,1,1-Trichloroethane, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Carbon tetrachloride, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Benzene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,2-Dichloroethane, Solid*	580	U		110	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Trichloroethene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,2-Dichloropropane, Solid*	580	U		120	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Bromodichloromethane, Solid*	580	U		110	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	cis-1,3-Dichloropropene, Solid*	580	U		110	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	4-Methyl-2-pentanone (MIBK), Solid*	1200	U		120	1200	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Toluene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/03/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP T4 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsd-010-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	580	U		92	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,1,2-Trichloroethane, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Tetrachloroethene, Solid*	580	U	*	140	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	2-Hexanone, Solid*	1200	U		130	1200	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Dibromochloromethane, Solid*	580	U		92	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,2-Dibromoethane (EDB), Solid*	580	U		95	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Chlorobenzene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Ethylbenzene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	m&p-Xylenes, Solid*	1200	U		270	1200	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	o-Xylene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Styrene, Solid*	580	U		130	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Bromoform, Solid*	580	U		87	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,1,2,2-Tetrachloroethane, Solid*	580	U		110	580	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	1,2-Dichloroethene (total), Solid*	1200	U		240	1200	10.0000	ug/Kg	137578		12/18/04 1931	jdj
	Xylenes (total), Solid*	1200	U		400	1200	10.0000	ug/Kg	137578		12/18/04 1931	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACCS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-010-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, 3541 Low Solid*	75000	U		3200	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Bis(2-chloroethyl)ether, 3541 Low Solid*	30000	U		4000	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	1,3-Dichlorobenzene, 3541 Low Solid*	75000	U		6000	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	1,4-Dichlorobenzene, 3541 Low Solid*	75000	U		6900	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	1,2-Dichlorobenzene, 3541 Low Solid*	75000	U		6400	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Benzyl alcohol, 3541 Low Solid*	300000	U		33000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2-Methylphenol (o-cresol), 3541 Low Solid*	30000	U		4700	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,2-oxybis (1-chloropropane), 3541 Low Solid*	75000	U		7200	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	n-Nitroso-di-n-propylamine, 3541 Low Solid*	30000	U		6000	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Hexachloroethane, 3541 Low Solid*	75000	U		3900	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	4-Methylphenol (m/p-cresol), 3541 Low Solid*	30000	U		5400	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2-Chlorophenol, 3541 Low Solid*	75000	U		6100	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Nitrobenzene, 3541 Low Solid*	15000	U		3900	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Bis(2-chloroethoxy)methane, 3541 Low Solid*	30000	U		4000	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	1,2,4-Trichlorobenzene, 3541 Low Solid*	75000	U		6100	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Benzoic acid, 3541 Low Solid*	300000	U		88000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Isophorone, 3541 Low Solid*	75000	U		8800	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,4-Dimethylphenol, 3541 Low Solid*	150000	U		7300	150000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Hexachlorobutadiene, 3541 Low Solid*	75000	U		4100	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Naphthalene, 3541 Low Solid*	15000	U		3800	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,4-Dichlorophenol, 3541 Low Solid*	150000	U		7000	150000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	4-Chloroaniline, 3541 Low Solid*	300000	U		24000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,4,6-Trichlorophenol, 3541 Low Solid*	75000	U		17000	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,4,5-Trichlorophenol, 3541 Low Solid*	150000	U		20000	150000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Hexachlorocyclopentadiene, 3541 Low Solid*	450000	U		140000	450000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2-Methylnaphthalene, 3541 Low Solid*	15000	U		4500	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2-Nitroaniline, 3541 Low Solid*	75000	U		4900	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2-Chloronaphthalene, 3541 Low Solid*	75000	U		7000	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 ROCKS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-010-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

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*	150000	U		16000	150000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,6-Dinitrotoluene, 3541 Low Solid*	15000	U		4100	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2-Nitrophenol, 3541 Low Solid*	150000	U		6600	150000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	3-Nitroaniline, 3541 Low Solid*	300000	U		62000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Dimethyl phthalate, 3541 Low Solid*	30000	U		4000	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,4-Dinitrophenol, 3541 Low Solid*	300000	U	*	47000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Acenaphthylene, 3541 Low Solid*	15000	U		3700	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	2,4-Dinitrotoluene, 3541 Low Solid*	15000	U		4700	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Acenaphthene, 3541 Low Solid*	15000	U		3700	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Dibenzofuran, 3541 Low Solid*	30000	U		4000	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	4-Nitrophenol, 3541 Low Solid*	300000	U		96000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Fluorene, 3541 Low Solid*	15000	U		4100	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	4-Nitroaniline, 3541 Low Solid*	300000	U		20000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	4-Bromophenyl phenyl ether, 3541 Low Solid*	75000	U		4500	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Hexachlorobenzene, 3541 Low Solid*	15000	U		4300	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Diethyl phthalate, 3541 Low Solid*	30000	U		4300	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	4-Chlorophenyl phenyl ether, 3541 Low Solid*	75000	U		4500	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Pentachlorophenol, 3541 Low Solid*	150000	U		50000	150000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	n-Nitrosodiphenylamine, 3541 Low Solid*	15000	U		4700	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	4,6-Dinitro-2-methylphenol, 3541 Low Solid*	300000	U		76000	300000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Phenanthrene, 3541 Low Solid*	23000	U		6800	23000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Anthracene, 3541 Low Solid*	15000	U		4900	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Carbazole, 3541 Low Solid*	75000	U		5300	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Di-n-butyl phthalate, 3541 Low Solid*	75000	U		5100	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Fluoranthene, 3541 Low Solid*	15000	U		4800	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Pyrene, 3541 Low Solid*	62000	U		5400	23000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Butyl benzyl phthalate, 3541 Low Solid*	30000	U		4600	30000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Benzo(a)anthracene, 3541 Low Solid*	10000	U		4500	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk
	Chrysene, 3541 Low Solid*	16000	U	M	4700	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: ASYsd-D10-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 09:45 Sample Matrix.....: Sediment			Laboratory Sample ID: 232603-1 Date Received.....: 12/09/2004 Time Received.....: 10:00										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
Method	3,3-Dichlorobenzidine, 3541 Low Solid*	75000	U		6600	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Bis(2-ethylhexyl)phthalate, 3541 Low Solid*	75000	U		14000	75000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Di-n-octyl phthalate, 3541 Low Solid*	150000	U		4700	150000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Benzo(b)fluoranthene, 3541 Low Solid*	15000	U		4000	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Benzo(k)fluoranthene, 3541 Low Solid*	15000	U		4200	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Benzo(a)pyrene, 3541 Low Solid*	15000	U		4300	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	15000	U		4600	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Dibenzo(a,h)anthracene, 3541 Low Solid*	15000	U		4300	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	Benzo(ghi)perylene, 3541 Low Solid*	15000	U		5000	15000	10.00000	ug/Kg	137369		12/16/04 1934	dpk	
	% Solids Determination												
	% Solids, Solid		8.6			0.10	0.10	1	%	136655		12/09/04 1423	daj
	% Moisture, Solid		91.4			0.10	0.10	1	%	136655		12/09/04 1423	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsd-010-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232603-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	2.0	U		0.55	2.0	10.0000	mg/Kg	137892		12/22/04 1015	san
	RDX, Solid	2.0	U		0.62	2.0	10.0000	mg/Kg	137892		12/22/04 1015	san
	1,3,5-Trinitrobenzene, Solid	0.98	U		0.32	0.98	10.0000	mg/Kg	137892		12/22/04 1015	san
	1,3-Dinitrobenzene, Solid	0.98	U		0.23	0.98	10.0000	mg/Kg	137892		12/22/04 1015	san
	Nitrobenzene, Solid	0.98	U		0.21	0.98	10.0000	mg/Kg	137892		12/22/04 1015	san
	2,4,6-TNT, Solid	0.98	U		0.23	0.98	10.0000	mg/Kg	137892		12/22/04 1015	san
	Tetryl, Solid	3.9	U		1.2	3.9	10.0000	mg/Kg	137892		12/22/04 1015	san
	2,4-Dinitrotoluene, Solid	0.98	U		0.25	0.98	10.0000	mg/Kg	137892		12/22/04 1015	san
	2,6-Dinitrotoluene, Solid	2.0	U		0.48	2.0	10.0000	mg/Kg	137892		12/22/04 1015	san
	2-Amino-4,6-Dinitrotoluene, Solid	2.0	U		0.45	2.0	10.0000	mg/Kg	137892		12/22/04 1015	san
	4-Amino-2,6-Dinitrotoluene, Solid	2.9	U		0.93	2.9	10.0000	mg/Kg	137892		12/22/04 1015	san
	2-Nitrotoluene, Solid	2.0	U		0.47	2.0	10.0000	mg/Kg	137892		12/22/04 1015	san
	4-Nitrotoluene, Solid	2.0	U		0.49	2.0	10.0000	mg/Kg	137892		12/22/04 1015	san
	3-Nitrotoluene, Solid	2.0	U		0.52	2.0	10.0000	mg/Kg	137892		12/22/04 1015	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine, Solid	4.9	U		1.2	4.9	10.0000	mg/Kg	137822		12/22/04 0123	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsd-010-SD

Trace Level Organic Compounds

Lot-Sample #...: G4L090396-006 Work Order #...: G0NTQ1AA
Date Sampled...: 12/08/04 09:45 Date Received...: 12/09/04
Prep Date.....: 12/20/04 Analysis Date...: 12/27/04
Prep Batch #...: 4355716
Dilution Factor: 1 Initial Wgt/Vol: 5 g

Matrix.....: SD

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/HPLC per

STL CHICAGO

Client Sample ID: ASYsd-010-SD

General Chemistry

Lot-Sample #...: G4L090396-006 Work Order #...: GONTQ Matrix.....: SD
Date Sampled...: 12/08/04 Date Received...: 12/09/04

<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	1.4 B,J	2.0	mg/kg	MCAWW 353.2	12/20-12/22/04	4355351
		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: 232602

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsd-011-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232602-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	25.2			0.10	0.10	1	%	136655		12/09/04 1419	daj
	% Moisture, Solid	74.8			0.10	0.10	1	%	136655		12/09/04 1419	daj
7041	Antimony (GFAA) Antimony, Solid*	5.1		U	1.6	5.1	1	mg/Kg	137113		12/14/04 1316	daj
7841	Thallium (GFAA) Thallium, Solid*	2.2		U	0.69	2.2	1	mg/Kg	137109		12/14/04 2308	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.16			0.0077	0.065	1	mg/Kg	137477		12/17/04 1435	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9100			2.9	37	1	mg/Kg	137670		12/21/04 0347	tds
	Barium, Solid*	570			0.30	2.5	1	mg/Kg	137670		12/21/04 0347	tds
	Arsenic, Solid*	29			1.0	3.7	1	mg/Kg	137670		12/21/04 0347	tds
	Beryllium, Solid*	1.1			0.032	0.99	1	mg/Kg	137670		12/21/04 0347	tds
	Cadmium, Solid*	0.79			0.062	0.62	1	mg/Kg	137830		12/21/04 1657	tds
	Calcium, Solid*	15000			2.0	25	1	mg/Kg	137670		12/21/04 0347	tds
	Chromium, Solid*	17			0.27	2.5	1	mg/Kg	137670		12/21/04 0347	tds
	Cobalt, Solid*	79			0.15	1.2	1	mg/Kg	137670		12/21/04 0347	tds
	Copper, Solid*	31			0.79	7.4	1	mg/Kg	137670		12/21/04 0347	tds
	Iron, Solid*	51000			8.1	25	1	mg/Kg	137670		12/21/04 0347	tds
	Magnesium, Solid*	2400			2.8	25	1	mg/Kg	137670		12/21/04 0347	tds
	Manganese, Solid*	34000			2.0	62	25	mg/Kg	137992		12/22/04 2058	lmr
	Nickel, Solid*	48			0.27	2.5	1	mg/Kg	137670		12/21/04 0347	tds
	Lead, Solid*	77			0.52	3.7	1	mg/Kg	137670		12/21/04 0347	tds
	Potassium, Solid*	1000			11	120	1	mg/Kg	137670		12/21/04 0347	tds

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS					Date: 12/27/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 ACQS			ATTN: Eric Ellis						
Customer Sample ID: ASYsd-011-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 12:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-2 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	10			1.2	3.7	1	mg/Kg	137670		12/21/04 0347	tds
	Silver, Solid*	1.3	B		0.27	2.5	1	mg/Kg	137670		12/21/04 0347	tds
	Sodium, Solid*	500	B		210	740	1	mg/Kg	137670		12/21/04 0347	tds
	Vanadium, Solid*	32			0.22	2.5	1	mg/Kg	137670		12/21/04 0347	tds
	Zinc, Solid*	460			2.0	5.0	1	mg/Kg	137670		12/21/04 0347	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232602

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Blits

Customer Sample ID: ASYsd-011-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 12:00
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232602-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	RMX, Solid	1.0	U		0.28	1.0	5.00000	mg/Kg	137806		12/17/04 1134	san
	RDX, Solid	1.0	U		0.31	1.0	5.00000	mg/Kg	137806		12/17/04 1134	san
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	137806		12/17/04 1134	san
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	137806		12/17/04 1134	san
	Nitrobenzene, Solid	0.50	U		0.11	0.50	5.00000	mg/Kg	137806		12/17/04 1134	san
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	137806		12/17/04 1134	san
	Tetryl, Solid	2.0	U		0.61	2.0	5.00000	mg/Kg	137806		12/17/04 1134	san
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	137806		12/17/04 1134	san
	2,6-Dinitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	137806		12/17/04 1134	san
	2-Amino-4,6-Dinitrotoluene, Solid	1.0	U		0.23	1.0	5.00000	mg/Kg	137806		12/17/04 1134	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	137806		12/17/04 1134	san
	2-Nitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	137806		12/17/04 1134	san
	4-Nitrotoluene, Solid	1.0	U		0.25	1.0	5.00000	mg/Kg	137806		12/17/04 1134	san
	3-Nitrotoluene, Solid	1.0	U		0.27	1.0	5.00000	mg/Kg	137806		12/17/04 1134	san

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE R/VAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-011-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 12:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-2 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	HDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	28000			970	1600	100.000	mg/Kg	137767		12/17/04 1548	pjg
Method	% Solids Determination				0.10	0.10	1	%	136655		12/09/04 1419	daj
	% Solids, Solid	25.2			0.10	0.10	1	%	136655		12/09/04 1419	daj
	% Moisture, Solid	74.8										

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 01/11/2005					
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis							
Customer Sample ID: ASYsd-011-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 12:00 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-2 Date Received.....: 12/09/2004 Time Received.....: 10:00										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Ned L*vel	9900		U	3100	9900	1.0000	ug/Kg	137790		12/15/04 0636	wre	
Method	% Solids Determination												
	% Solids, Solid	25.2			0.10	0.10	1	%	136655		12/09/04 1419	daj	
	% Moisture, Solid	74.8			0.10	0.10	1	%	136655		12/09/04 1419	daj	
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	1900		M	21	200	1.00000	ug/Kg	139027	RA	12/16/04 0414	wre	

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-012-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-1 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	25.8			0.10	0.10	1	%	136655		12/09/04 1416	daj
	% Moisture, Solid	74.2			0.10	0.10	1	%	136655		12/09/04 1416	daj
7041	Antimony (GFAA) Antimony, Solid*	5.3		U	1.7	5.3	1	mg/Kg	137113		12/14/04 1304	daj
7841	Thallium (GFAA) Thallium, Solid*	2.3		U	0.72	2.3	1	mg/Kg	137109		12/14/04 2256	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.23			0.0076	0.064	1	mg/Kg	137477		12/17/04 1432	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			3.6	47	1	mg/Kg	137670		12/21/04 0341	tds
	Barium, Solid*	160			0.38	3.2	1	mg/Kg	137670		12/21/04 0341	tds
	Arsenic, Solid*	11			1.3	4.7	1	mg/Kg	137670		12/21/04 0341	tds
	Beryllium, Solid*	1.6			0.041	1.3	1	mg/Kg	137670		12/21/04 0341	tds
	Cadmium, Solid*	0.62		B	0.079	0.79	1	mg/Kg	137830		12/21/04 1642	tds
	Calcium, Solid*	13000			2.5	32	1	mg/Kg	137670		12/21/04 0341	tds
	Chromium, Solid*	21			0.35	3.2	1	mg/Kg	137670		12/21/04 0341	tds
	Cobalt, Solid*	9.2			0.19	1.6	1	mg/Kg	137670		12/21/04 0341	tds
	Copper, Solid*	31			1.0	9.5	1	mg/Kg	137670		12/21/04 0341	tds
	Iron, Solid*	24000			10	32	1	mg/Kg	137670		12/21/04 0341	tds
	Magnesium, Solid*	3900			3.6	32	1	mg/Kg	137670		12/21/04 0341	tds
	Manganese, Solid*	840			0.10	3.2	1	mg/Kg	137830		12/21/04 1642	tds
	Nickel, Solid*	30			0.35	3.2	1	mg/Kg	137670		12/21/04 0341	tds
	Lead, Solid*	66			0.66	4.7	1	mg/Kg	137670		12/21/04 0341	tds
	Potassium, Solid*	1800			14	160	1	mg/Kg	137670		12/21/04 0341	tds

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/27/2004			
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsd-012-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-1 Date Received.....: 12/09/2004 Time Received.....: 10:00								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	6.8		1.6	4.7	1	mg/Kg	137670		12/21/04 0341	tds
	Silver, Solid*	3.2	U	0.35	3.2	1	mg/Kg	137670		12/21/04 0341	tds
	Sodium, Solid*	550	B	270	950	1	mg/Kg	137670		12/21/04 0341	tds
	Vanadium, Solid*	31		0.28	3.2	1	mg/Kg	137670		12/21/04 0341	tds
	Zinc, Solid*	330		2.5	6.3	1	mg/Kg	137670		12/21/04 0341	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232602

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-012-SD
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232602-1
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	1.0	U		0.28	1.0	5.00000	mg/Kg	137806		12/17/04 1102	san
	RDX, Solid	1.0	U		0.31	1.0	5.00000	mg/Kg	137806		12/17/04 1102	san
	1,3,5-Trinitrobenzene, Solid	0.50	U		0.16	0.50	5.00000	mg/Kg	137806		12/17/04 1102	san
	1,3-Dinitrobenzene, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	137806		12/17/04 1102	san
	Nitrobenzene, Solid	0.50	U		0.10	0.50	5.00000	mg/Kg	137806		12/17/04 1102	san
	2,4,6-TNT, Solid	0.50	U		0.12	0.50	5.00000	mg/Kg	137806		12/17/04 1102	san
	Tetryl, Solid	2.0	U		0.61	2.0	5.00000	mg/Kg	137806		12/17/04 1102	san
	2,4-Dinitrotoluene, Solid	0.50	U		0.13	0.50	5.00000	mg/Kg	137806		12/17/04 1102	san
	2,6-Dinitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	137806		12/17/04 1102	san
	2-Amino-4,6-Dinitrotoluene, Solid	1.0	U		0.23	1.0	5.00000	mg/Kg	137806		12/17/04 1102	san
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U		0.47	1.5	5.00000	mg/Kg	137806		12/17/04 1102	san
	2-Nitrotoluene, Solid	1.0	U		0.24	1.0	5.00000	mg/Kg	137806		12/17/04 1102	san
	4-Nitrotoluene, Solid	1.0	U		0.25	1.0	5.00000	mg/Kg	137806		12/17/04 1102	san
	3-Nitrotoluene, Solid	1.0	U		0.27	1.0	5.00000	mg/Kg	137806		12/17/04 1102	san

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVARP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsd-012-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-1 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	98000		5000	8100	500.000	mg/Kg	137767		12/19/04 0444	pjs	
Method	% Solids Determination											
	% Solids, Solid	25.8		0.10	0.10	1	%	136655		12/09/04 1416	daj	
	% Moisture, Solid	74.2		0.10	0.10	1	%	136655		12/09/04 1416	daj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232602								Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis				
Customer Sample ID: ASYsd-012-SD Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment						Laboratory Sample ID: 232602-1 Date Received.....: 12/09/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	IPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Med L*vel	16000			3000	9700	1.0000	ug/Kg	137790		12/15/04 0443	wre
Method	% Solids Determination											
	% Solids, Solid	25.8			0.10	0.10	1	%	136655		12/09/04 1416	daj
	% Moisture, Solid	74.2			0.10	0.10	1	%	136655		12/09/04 1416	daj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232602

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-012-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232602-3
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	25.7			0.10	0.10	1	%	136655		12/09/04 1421	da]
	% Moisture, Solid	74.3			0.10	0.10	1	%	136655		12/09/04 1421	da]
7041	Antimony (GFAA) Antimony, Solid*	5.0		U	1.6	5.0	1	mg/Kg	137113		12/14/04 1329	da]
7841	Thallium (GFAA) Thallium, Solid*	2.1		U	0.68	2.1	1	mg/Kg	137109		12/14/04 2320	da]
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.22			0.0076	0.064	1	mg/Kg	137477		12/17/04 1437	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.6	34	1	mg/Kg	137670		12/21/04 0354	tds
	Barium, Solid*	160			0.28	2.3	1	mg/Kg	137670		12/21/04 0354	tds
	Arsenic, Solid*	13			0.96	3.4	1	mg/Kg	137670		12/21/04 0354	tds
	Beryllium, Solid*	1.5			0.030	0.92	1	mg/Kg	137670		12/21/04 0354	tds
	Cadmium, Solid*	0.68			0.057	0.57	1	mg/Kg	137830		12/21/04 1703	tds
	Calcium, Solid*	11000			1.8	23	1	mg/Kg	137670		12/21/04 0354	tds
	Chromium, Solid*	20			0.25	2.3	1	mg/Kg	137670		12/21/04 0354	tds
	Cobalt, Solid*	9.0			0.14	1.1	1	mg/Kg	137670		12/21/04 0354	tds
	Copper, Solid*	31			0.74	6.9	1	mg/Kg	137670		12/21/04 0354	tds
	Iron, Solid*	24000			7.5	23	1	mg/Kg	137670		12/21/04 0354	tds
	Magnesium, Solid*	3800			2.6	23	1	mg/Kg	137670		12/21/04 0354	tds
	Manganese, Solid*	800			0.076	2.3	1	mg/Kg	137830		12/21/04 1703	tds
	Nickel, Solid*	29			0.25	2.3	1	mg/Kg	137670		12/21/04 0354	tds
	Lead, Solid*	65			0.48	3.4	1	mg/Kg	137670		12/21/04 0354	tds
	Potassium, Solid*	1700			10	110	1	mg/Kg	137670		12/21/04 0354	tds

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsd-012-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-3 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	7.2			1.1	3.4	1	mg/Kg	137670		12/21/04 0354	tds
	Silver, Solid*	2.3		U	0.25	2.3	1	mg/Kg	137670		12/21/04 0354	tds
	Sodium, Solid*	530		B	200	690	1	mg/Kg	137670		12/21/04 0354	tds
	Vanadium, Solid*	29			0.21	2.3	1	mg/Kg	137670		12/21/04 0354	tds
	Zinc, Solid*	310			1.8	4.6	1	mg/Kg	137670		12/21/04 0354	tds

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/22/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOGS				ATTN: Eric Ellis						
Customer Sample ID: ASYsd-012-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-3 Date Received.....: 12/09/2004 Time Received.....: 10:00										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH		
8330	Explosives by 8330 (HPLC)												
	HMX, Solid	1.0	U	0.28	1.0	5.00000	mg/Kg	137806		12/17/04 1207	san		
	RDX, Solid	1.0	U	0.31	1.0	5.00000	mg/Kg	137806		12/17/04 1207	san		
	1,3,5-Trinitrobenzene, Solid	0.50	U	0.16	0.50	5.00000	mg/Kg	137806		12/17/04 1207	san		
	1,3-Dinitrobenzene, Solid	0.50	U	0.12	0.50	5.00000	mg/Kg	137806		12/17/04 1207	san		
	Nitrobenzene, Solid	0.50	U	0.10	0.50	5.00000	mg/Kg	137806		12/17/04 1207	san		
	2,4,6-TNT, Solid	0.50	U	0.12	0.50	5.00000	mg/Kg	137806		12/17/04 1207	san		
	Tetryl, Solid	2.0	U	0.61	2.0	5.00000	mg/Kg	137806		12/17/04 1207	san		
	2,4-Dinitrotoluene, Solid	0.50	U	0.13	0.50	5.00000	mg/Kg	137806		12/17/04 1207	san		
	2,6-Dinitrotoluene, Solid	1.0	U	0.24	1.0	5.00000	mg/Kg	137806		12/17/04 1207	san		
	2-Amino-4,6-Dinitrotoluene, Solid	1.0	U	0.23	1.0	5.00000	mg/Kg	137806		12/17/04 1207	san		
	4-Amino-2,6-Dinitrotoluene, Solid	1.5	U	0.47	1.5	5.00000	mg/Kg	137806		12/17/04 1207	san		
	2-Nitrotoluene, Solid	1.0	U	0.24	1.0	5.00000	mg/Kg	137806		12/17/04 1207	san		
	4-Nitrotoluene, Solid	1.0	U	0.25	1.0	5.00000	mg/Kg	137806		12/17/04 1207	san		
	3-Nitrotoluene, Solid	1.0	U	0.27	1.0	5.00000	mg/Kg	137806		12/17/04 1207	san		

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/21/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOC5				ATTN: Eric Ellis						
Customer Sample ID: ASYsd-012-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-3 Date Received.....: 12/09/2004 Time Received.....: 10:00										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8015B NDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	80000			1900	3100	200.000	mg/Kg	137767		12/19/04 0521	pjg	
Method	% Solids Determination												
	% Solids, Solid	25.7			0.10	0.10	1	%	136655		12/09/04 1421	daj	
	% Moisture, Solid	74.3			0.10	0.10	1	%	136655		12/09/04 1421	daj	

* In Description = Dry Wgt.

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Job Number: 232602		LABORATORY TEST RESULTS						Date: 12/22/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis							
Customer Sample ID: ASYsd-012-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 10:30 Sample Matrix.....: Sediment			Laboratory Sample ID: 232602-3 Date Received.....: 12/09/2004 Time Received.....: 10:00										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH	
8015B NGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Med L*vel	25000			3000	9700	1.0000	ug/Kg	137790		12/15/04 0713	wre	
Method	% Solids Determination												
	% Solids, Solid	25.7			0.10	0.10	1	%	136655		12/09/04 1421	daj	
	% Moisture, Solid	74.3			0.10	0.10	1	%	136655		12/09/04 1421	daj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: NKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsd-017-SD
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-4
 Date Received.....: 12/11/2004
 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	65.0		0.10	0.10	1	%	136943		12/13/04 2245	cLb
	% Moisture, Solid	35.0		0.10	0.10	1	%	136943		12/13/04 2245	cLb
7041	Antimony (GFAA) Antimony, Solid*	1.6	U	0.51	1.6	1	mg/Kg	137113		12/14/04 1902	daj
7841	Thallium (GFAA) Thallium, Solid*	0.70	U	0.22	0.70	1	mg/Kg	137109		12/15/04 0214	daj
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.046		0.0030	0.025	1	mg/Kg	137746		12/20/04 1510	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	9200		1.6	21	1	mg/Kg	138142		12/27/04 2247	Lmr
	Barium, Solid*	84		0.17	1.4	1	mg/Kg	138142		12/27/04 2247	Lmr
	Arsenic, Solid*	12		0.58	2.1	1	mg/Kg	138142		12/27/04 2247	Lmr
	Beryllium, Solid*	0.74		0.018	0.56	1	mg/Kg	138142		12/27/04 2247	Lmr
	Cadmium, Solid*	0.35	U	0.035	0.35	1	mg/Kg	138142		12/27/04 2247	Lmr
	Calcium, Solid*	1700		1.1	14	1	mg/Kg	138142		12/27/04 2247	Lmr
	Chromium, Solid*	19		0.15	1.4	1	mg/Kg	138142		12/27/04 2247	Lmr
	Cobalt, Solid*	14		0.085	0.70	1	mg/Kg	138142		12/27/04 2247	Lmr
	Copper, Solid*	20		0.45	4.2	1	mg/Kg	138142		12/27/04 2247	Lmr
	Iron, Solid*	29000		4.5	14	1	mg/Kg	138142		12/27/04 2247	Lmr
	Magnesium, Solid*	2300		1.6	14	1	mg/Kg	138142		12/27/04 2247	Lmr
	Manganese, Solid*	940		0.046	1.4	1	mg/Kg	138142		12/27/04 2247	Lmr
	Nickel, Solid*	31		0.15	1.4	1	mg/Kg	138142		12/27/04 2247	Lmr
	Lead, Solid*	15		0.29	2.1	1	mg/Kg	138142		12/27/04 2247	Lmr
	Potassium, Solid*	980		6.3	70	1	mg/Kg	138142		12/27/04 2247	Lmr

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS					Date: 12/28/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsd-017-S0 Date Sampled.....: 12/10/2004 Time Sampled.....: 14:25 Sample Matrix.....: Sediment			Laboratory Sample ID: 232687-4 Date Received.....: 12/11/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium, Solid*	2.1	U		0.70	2.1	1	mg/Kg	138142		12/27/04 2247	Lmr
	Silver, Solid*	1.4	U		0.15	1.4	1	mg/Kg	138142		12/27/04 2247	Lmr
	Sodium, Solid*	280	B		120	420	1	mg/Kg	138142		12/27/04 2247	Lmr
	Vanadium, Solid*	20			0.13	1.4	1	mg/Kg	138142		12/27/04 2247	Lmr
	Zinc, Solid*	69			1.1	2.8	1	mg/Kg	138142		12/27/04 2247	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsd-017-SD
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Sediment

Laboratory Sample ID: 232687-4
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	0.20	U		0.056	0.20	1.00000	mg/Kg	138116		12/16/04 2023	san
	RDX, Solid	0.20	U		0.062	0.20	1.00000	mg/Kg	138116		12/16/04 2023	san
	1,3,5-Trinitrobenzene, Solid	0.099	U		0.033	0.099	1.00000	mg/Kg	138116		12/16/04 2023	san
	1,3-Dinitrobenzene, Solid	0.099	U		0.023	0.099	1.00000	mg/Kg	138116		12/16/04 2023	san
	Nitrobenzene, Solid	0.099	U		0.021	0.099	1.00000	mg/Kg	138116		12/16/04 2023	san
	2,4,6-TNT, Solid	0.099	U		0.024	0.099	1.00000	mg/Kg	138116		12/16/04 2023	san
	Tetryl, Solid	0.40	U		0.12	0.40	1.00000	mg/Kg	138116		12/16/04 2023	san
	2,4-Dinitrotoluene, Solid	0.099	U		0.025	0.099	1.00000	mg/Kg	138116		12/16/04 2023	san
	2,6-Dinitrotoluene, Solid	0.20	U		0.048	0.20	1.00000	mg/Kg	138116		12/16/04 2023	san
	2-Amino-4,6-Dinitrotoluene, Solid	0.20	U		0.045	0.20	1.00000	mg/Kg	138116		12/16/04 2023	san
	4-Amino-2,6-Dinitrotoluene, Solid	0.30	U		0.093	0.30	1.00000	mg/Kg	138116		12/16/04 2023	san
	2-Nitrotoluene, Solid	0.20	U		0.047	0.20	1.00000	mg/Kg	138116		12/16/04 2023	san
	4-Nitrotoluene, Solid	0.20	U		0.050	0.20	1.00000	mg/Kg	138116		12/16/04 2023	san
	3-Nitrotoluene, Solid	0.20	U		0.053	0.20	1.00000	mg/Kg	138116		12/16/04 2023	san

* In Description = Dry Wgt.

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