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Job Number: 231877 LABORATORY TEST RESULTS Date: 11/20/2004

CUSTOMER: MCM Engineers, Inc. PROJECT: USACE RVAAP 14 AOC5 ATTN: Eric Ellis

Customer Sample ID: LL7sw-011-SW
 Date Sampled.....: 11/10/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 231877-25
 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
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	1,2-Dichloroethene (total)	9.2	U	0.23	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	134749		11/17/04 2027	jdj

* 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 ADCS				ATTN: Eric Ellis				
Customer Sample ID: LL7sw-011-SW				Laboratory Sample ID: 231877-25								
Date Sampled.....: 11/10/2004				Date Received.....: 11/11/2004								
Time Sampled.....: 14:00				Time Received.....: 10:00								
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	135947		11/29/04 1152	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U	*	0.28	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	135947		11/29/04 1152	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	135947		11/29/04 1152	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	135947		11/29/04 1152	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	135947		11/29/04 1152	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk

* 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: LL7sw-011-SW			Laboratory Sample ID: 231877-25									
Date Sampled: 11/10/2004			Date Received: 11/11/2004									
Time Sampled: 14:00			Time Received: 10:00									
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	135947		11/29/04 1152	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	135947		11/29/04 1152	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	135947		11/29/04 1152	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	135947		11/29/04 1152	dpk
	Diethyl phthalate, Low Level Water	2.0	U	*	0.15	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	135947		11/29/04 1152	dpk
	Phenanthrene, Low Level Water	1.0	U	*	0.14	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Anthracene, Low Level Water	1.0	U	*	0.15	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Carbazole, Low Level Water	5.0	U	*	0.29	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U	*	0.36	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Fluoranthene, Low Level Water	1.0	U	*	0.14	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Butyl benzyl phthalate, Low Level Water	2.9	U		0.39	2.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	135947		11/29/04 1152	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	135947		11/29/04 1152	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 RYAAP 14 ADCS				ATTN: Eric Ellis			
Customer Sample ID: LL7sw-011-SW Date Sampled.....: 11/10/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water						Laboratory Sample ID: 231877-25 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, Low Level Water	5.0	U	0.72	5.0	1.00000	ug/L	135947		11/29/04 1152	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	12	J	3.9	15	1.00000	ug/L	135947		11/29/04 1152	dpk
	Di-n-octyl phthalate, Low Level Water	10	U	2.5	10	1.00000	ug/L	135947		11/29/04 1152	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U	0.067	0.40	1.00000	ug/L	135947		11/29/04 1152	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U	0.072	0.40	1.00000	ug/L	135947		11/29/04 1152	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U	0.084	0.40	1.00000	ug/L	135947		11/29/04 1152	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U	0.086	0.40	1.00000	ug/L	135947		11/29/04 1152	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U	0.13	0.40	1.00000	ug/L	135947		11/29/04 1152	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U	0.19	1.0	1.00000	ug/L	135947		11/29/04 1152	dpk

* In Description = Dry Wgt.

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Job Number: 231877		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYMAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: LL7sw-011-SW Date Sampled.....: 11/10/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 231877-25 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	1700			68	310	1000.00	ug/L	135456	D3	11/23/04 1921	bdw
	RDX	110			6.4	20	100.000	ug/L	135456	D2	11/23/04 1849	bdw
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	135456		11/20/04 0905	bdw
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	135456		11/20/04 0905	bdw
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	135456		11/20/04 0905	bdw
	2,4,6-TNT	1.3	U		0.078	0.25	1.00000	ug/L	135456		11/20/04 0905	bdw
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	135456		11/20/04 0905	bdw
	2,4-Dinitrotoluene	0.14	U		0.12	0.36	1.00000	ug/L	135456		11/20/04 0905	bdw
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	135456		11/20/04 0905	bdw
	2-Amino-4,6-Dinitrotoluene	7.6	U		0.12	0.36	1.00000	ug/L	135456		11/20/04 0905	bdw
	4-Amino-2,6-Dinitrotoluene	21	U		1.1	3.3	10.0000	ug/L	135456	D1	11/23/04 1816	bdw
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	135456		11/20/04 0905	bdw
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	135456		11/20/04 0905	bdw
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	135456		11/20/04 0905	bdw
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	135462		11/16/04 1126	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LL7sw-011-SW

Trace Level Organic Compounds

Lot-Sample #....: G4K110359-008 Work Order #....: GWRV61AC
Date Sampled....: 11/10/04 14:00 Date Received...: 11/11/04
Prep Date.....: 11/12/04 Analysis Date...: 11/17/04
Prep Batch #....: 4317345
Dilution Factor: 1

Matrix.....: WATER

Initial Wgt/Vol: 10 mL

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	20	ug/L	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: LL7sw-011-SW

General Chemistry

Lot-Sample #...: G4K110359-008 Work Order #...: GWRV6 Matrix.....: WATER
Date Sampled...: 11/10/04 14:00 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	ND	0.50	mg/L	MCAWW 353.2	11/20-11/23/04	4325114
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol...: 40 mL	
		MDL.....: 0.12				

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11/11/04

Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-002-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 232603-13 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.21			0.057	0.20	1	mg/L	137399		12/17/04 1446	kd

* 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 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LLBSW-002-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 232603-13 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/14/04 0046	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136999		12/13/04 2322	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137235		12/16/04 0930	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 2057	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1437	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	200			24	150	1	ug/L	137992		12/22/04 1748	Lmr
	Barium	26			1.3	10	1	ug/L	137992		12/22/04 1748	Lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1748	Lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1748	Lmr
	Calcium	59000			9.5	100	1	ug/L	137992		12/22/04 1748	Lmr
	Chromium	1.2		B	1.1	10	1	ug/L	137992		12/22/04 1748	Lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137992		12/22/04 1748	Lmr
	Copper	10		U	2.2	10	1	ug/L	137992		12/22/04 1748	Lmr
	Iron	190			38	120	1	ug/L	138123		12/28/04 0458	Lmr
	Magnesium	8700			8.1	100	1	ug/L	137992		12/22/04 1748	Lmr
	Manganese	13			0.41	10	1	ug/L	137992		12/22/04 1748	Lmr
	Nickel	10		U	1.0	10	1	ug/L	137992		12/22/04 1748	Lmr
	Potassium	1100			66	500	1	ug/L	137992		12/22/04 1748	Lmr

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8SW-002-SW			Laboratory Sample ID: 232603-13									
Date Sampled.....: 12/08/2004			Date Received.....: 12/09/2004									
Time Sampled.....: 14:50			Time Received.....: 10:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1748	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1748	Lmr
	Sodium	1700			490	1500	1	ug/L	137992		12/22/04 1748	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1748	Lmr
	Zinc	7.1	B		1.6	30	1	ug/L	137992		12/22/04 1748	Lmr

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-002-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 232603-13 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	0.14	U		0.044	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	beta-BHC	0.094	U		0.026	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	delta-BHC	0.094	U		0.024	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	Aldrin	0.094	U		0.026	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	Endosulfan I	0.094	U		0.020	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	Dieldrin	0.094	U		0.017	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	4,4'-DDE	0.094	U		0.022	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	Endrin	0.094	U		0.016	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137888		12/16/04 1429	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	137888		12/16/04 1429	kdL
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	137888		12/16/04 1429	kdL
	gamma-Chlordane	0.094	U		0.016	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137888		12/16/04 1429	kdL
	Endrin ketone	0.094	U		0.027	0.094	1.00000	ug/L	137888		12/16/04 1429	kdL
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	137888		12/16/04 1429	kdL

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS					Date: 12/22/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE KVAMP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-002-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 232603-13 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	0.57		U	0.17	0.57	1.00000	ug/L	137899		12/15/04 0941	pjs
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	137899		12/15/04 0941	pjs
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 0941	pjs
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	137899		12/15/04 0941	pjs
	Aroclor 1248	1.4		U	0.45	1.4	1.00000	ug/L	137899		12/15/04 0941	pjs
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 0941	pjs
	Aroclor 1260	0.57		U	0.16	0.57	1.00000	ug/L	137899		12/15/04 0941	pjs

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-002-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-13
 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
8260B	Volatile Organics											
	Chloromethane	1.0		U	0.080	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Vinyl chloride	1.0		U	0.080	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Bromomethane	1.0		U	0.10	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Chloroethane	1.0		U	0.080	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,1-Dichloroethene	1.0		U	0.12	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Carbon disulfide	5.0		U	0.20	5.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Acetone	10		U	1.8	10	1.00000	ug/L	137373		12/16/04 2154	jdj
	Methylene chloride	1.5		U	0.35	1.5	1.00000	ug/L	137373		12/16/04 2154	jdj
	trans-1,2-Dichloroethene	1.0		U	0.14	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,1-Dichloroethane	1.0		U	0.11	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	cis-1,2-Dichloroethene	1.0		U	0.090	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	2-Butanone (MEK)	10		U	1.2	10	1.00000	ug/L	137373		12/16/04 2154	jdj
	Bromochloromethane	1.0		U	0.10	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Chloroform	1.0		U	0.11	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,1,1-Trichloroethane	1.0		U	0.080	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Carbon tetrachloride	1.0		U	0.13	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Benzene	1.0		U	0.090	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,2-Dichloroethane	1.0		U	0.090	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Trichloroethene	1.0		U	0.10	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,2-Dichloropropane	1.0		U	0.12	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Bromodichloromethane	1.0		U	0.11	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	cis-1,3-Dichloropropene	1.0		U	0.12	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	4-Methyl-2-pentanone (MIBK)	10		U	0.65	10	1.00000	ug/L	137373		12/16/04 2154	jdj
	Toluene	1.0		U	0.10	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	trans-1,3-Dichloropropene	1.0		U	0.15	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,1,2-Trichloroethane	1.0		U	0.15	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Tetrachloroethene	1.0		U	0.090	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	2-Hexanone	10		U	0.53	10	1.00000	ug/L	137373		12/16/04 2154	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 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-002-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-13
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 2154	jdj

* 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 ACCS			ATTN: Eric Blifs						
Customer Sample ID: LL8sw-002-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 232603-13 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
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 1942	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	137856		12/15/04 1942	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	137856		12/15/04 1942	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137856		12/15/04 1942	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137856		12/15/04 1942	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1942	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 RVAAP 14 ADCS

ATTN: Eric Eltis

Customer Sample ID: 118sw-002-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-13
 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, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	137856		12/15/04 1942	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137856		12/15/04 1942	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137856		12/15/04 1942	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	137856		12/15/04 1942	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 1942	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1942	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137856		12/15/04 1942	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	137856		12/15/04 1942	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	137856		12/15/04 1942	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 ADES				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-002-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 232603-13 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
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	137856		12/15/04 1942	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137856		12/15/04 1942	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	137856		12/15/04 1942	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	137856		12/15/04 1942	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	137856		12/15/04 1942	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	137856		12/15/04 1942	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	137856		12/15/04 1942	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137856		12/15/04 1942	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	137856		12/15/04 1942	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 RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-002-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-13
 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	0.52	U		0.11	0.52	1.00000	ug/L	137848		12/17/04 0609	san
	RDX	0.34	U		0.11	0.34	1.00000	ug/L	137848		12/17/04 0609	san
	1,3,5-Trinitrobenzene	0.34	U		0.098	0.34	1.00000	ug/L	137848		12/17/04 0609	san
	1,3-Dinitrobenzene	0.34	U		0.093	0.34	1.00000	ug/L	137848		12/17/04 0609	san
	Nitrobenzene	0.27	U		0.074	0.27	1.00000	ug/L	137848		12/17/04 0609	san
	2,4,6-TNT	0.42	U		0.13	0.42	1.00000	ug/L	137848		12/17/04 0609	san
	Tetryl	1.3	U		0.28	1.3	1.00000	ug/L	137848		12/17/04 0609	san
	2,4-Dinitrotoluene	0.61	U		0.21	0.61	1.00000	ug/L	137848		12/17/04 0609	san
	2,6-Dinitrotoluene	0.72	U		0.24	0.72	1.00000	ug/L	137848		12/17/04 0609	san
	2-Amino-4,6-Dinitrotoluene	0.61	U		0.20	0.61	1.00000	ug/L	137848		12/17/04 0609	san
	4-Amino-2,6-Dinitrotoluene	0.56	U		0.19	0.56	1.00000	ug/L	137848		12/17/04 0609	san
	2-Nitrotoluene	0.52	U		0.16	0.52	1.00000	ug/L	137848		12/17/04 0609	san
	4-Nitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	137848		12/17/04 0609	san
	3-Nitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	137848		12/17/04 0609	san

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS					Date: 01/04/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-003-SW			Laboratory Sample ID: 232603-15									
Date Sampled.....: 12/08/2004			Date Received.....: 12/09/2004									
Time Sampled.....: 13:40			Time Received.....: 10:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DTECTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	137399		12/17/04 1446	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603 Date: 01/04/2005

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AOCs

Customer Sample ID: LL8sw-003-SW Laboratory Sample ID: 232603-15
 Date Sampled.....: 12/08/2004 Date Received.....: 12/09/2004
 Time Sampled.....: 13:40 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U	2.5	7.5	1	ug/L	137013		12/14/04 0058	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U	0.51	2.0	1	ug/L	136999		12/13/04 2346	daj
7421	Lead (GFAA) Lead	3.0	U	0.79	3.0	1	ug/L	137522		12/16/04 1308	daj
7841	Thallium (GFAA) Thallium	4.0	U	1.3	4.0	1	ug/L	137109		12/14/04 1203	daj
7470A	Mercury (CVAA) Mercury	0.20	U	0.063	0.20	1	ug/L	137472		12/17/04 1439	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum	160		24	150	1	ug/L	137992		12/22/04 1754	lmr
	Barium	27		1.3	10	1	ug/L	137992		12/22/04 1754	lmr
	Beryllium	2.0	U	0.25	2.0	1	ug/L	137992		12/22/04 1754	lmr
	Cadmium	2.0	U	0.25	2.0	1	ug/L	137992		12/22/04 1754	lmr
	Calcium	60000		9.5	100	1	ug/L	137992		12/22/04 1754	lmr
	Chromium	10	U	1.1	10	1	ug/L	137992		12/22/04 1754	lmr
	Cobalt	5.0	U	0.80	5.0	1	ug/L	137992		12/22/04 1754	lmr
	Copper	10	U	2.2	10	1	ug/L	137992		12/22/04 1754	lmr
	Iron	190		38	120	1	ug/L	138123		12/28/04 0504	lmr
	Magnesium	8500		8.1	100	1	ug/L	137992		12/22/04 1754	lmr
	Manganese	19		0.41	10	1	ug/L	137992		12/22/04 1754	lmr
	Nickel	10	U	1.0	10	1	ug/L	137992		12/22/04 1754	lmr
	Potassium	1200		66	500	1	ug/L	137992		12/22/04 1754	lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: NKN Engineers, Inc.

PROJECT: USACE RWAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-003-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-15
 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	15	U		3.0	15	1	ug/L	137992		12/22/04 1754	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1754	Lmr
	Sodium	1600			490	1500	1	ug/L	137992		12/22/04 1754	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1754	Lmr
	Zinc	10	B		1.6	30	1	ug/L	137992		12/22/04 1754	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603 Date: 12/22/2004

CUSTOMER: MKK Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AOCs

Customer Sample ID: LL8sw-003-SW Laboratory Sample ID: 232603-15
 Date Sampled.....: 12/08/2004 Date Received.....: 12/09/2004
 Time Sampled.....: 13:40 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137888		12/16/04 1455	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	137888		12/16/04 1455	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	137888		12/16/04 1455	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137888		12/16/04 1455	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	137888		12/16/04 1455	kdl
Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	137888		12/16/04 1455	kdl	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232603				Date: 12/22/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAD 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8SW-003-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 13:40 Sample Matrix.....: Water						Laboratory Sample ID: 232603-15 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	0.57		U	0.17	0.57	1.00000	ug/L	137899		12/15/04 1016	pjg
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	137899		12/15/04 1016	pjg
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 1016	pjg
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	137899		12/15/04 1016	pjg
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	137899		12/15/04 1016	pjg
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 1016	pjg
	Aroclor 1260	0.57		U	0.16	0.57	1.00000	ug/L	137899		12/15/04 1016	pjg

* 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: LL8sw-003-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-15
 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
82608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 2215	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 2215	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 2215	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 2215	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 2215	jdj

* 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 AOC5			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-003-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 13:40 Sample Matrix.....: Water			Laboratory Sample ID: 232603-15 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 2215	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 2215	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 T4 ADDS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-003-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-15
 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
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.7	U		0.33	4.7	1.00000	ug/L	137856		12/15/04 2008	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.28	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 2008	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.47	U		0.076	0.47	1.00000	ug/L	137856		12/15/04 2008	dpk
	Hexachloroethane, Low Level Water	4.7	U		0.58	4.7	1.00000	ug/L	137856		12/15/04 2008	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.094	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	2-Chlorophenol, Low Level Water	4.7	U		0.11	4.7	1.00000	ug/L	137856		12/15/04 2008	dpk
	Nitrobenzene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137856		12/15/04 2008	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	Benzoic acid, Low Level Water	19	U	*	2.8	19	1.00000	ug/L	137856		12/15/04 2008	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk
	2,4-Dimethylphenol, Low Level Water	9.4	U		1.2	9.4	1.00000	ug/L	137856		12/15/04 2008	dpk
	Hexachlorobutadiene, Low Level Water	4.7	U		0.60	4.7	1.00000	ug/L	137856		12/15/04 2008	dpk
	Naphthalene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137856		12/15/04 2008	dpk
	2,4-Dichlorophenol, Low Level Water	9.4	U		0.86	9.4	1.00000	ug/L	137856		12/15/04 2008	dpk
	4-Chloroaniline, Low Level Water	9.4	U		2.6	9.4	1.00000	ug/L	137856		12/15/04 2008	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.7	U		0.20	4.7	1.00000	ug/L	137856		12/15/04 2008	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.4	U		1.3	9.4	1.00000	ug/L	137856		12/15/04 2008	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.61	19	1.00000	ug/L	137856		12/15/04 2008	dpk
	2-Methylnaphthalene, Low Level Water	0.47	U		0.12	0.47	1.00000	ug/L	137856		12/15/04 2008	dpk
	2-Nitroaniline, Low Level Water	4.7	U		0.21	4.7	1.00000	ug/L	137856		12/15/04 2008	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2008	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKP Engineers, Inc.

PROJECT: USAGE: RVAAP 14: AOCs

ATTN: EPTc-EL1ts

Customer Sample ID: LL8sw-003-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-15
 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, Low Level Water	9.4	U		2.3	9.4	1.0000	ug/L	137856		12/15/04 2008	dpk
	2,6-Dinitrotoluene, Low Level Water	0.47	U		0.10	0.47	1.0000	ug/L	137856		12/15/04 2008	dpk
	2-Nitrophenol, Low Level Water	9.4	U		0.77	9.4	1.0000	ug/L	137856		12/15/04 2008	dpk
	3-Nitroaniline, Low Level Water	9.4	U		2.0	9.4	1.0000	ug/L	137856		12/15/04 2008	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.0000	ug/L	137856		12/15/04 2008	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.0000	ug/L	137856		12/15/04 2008	dpk
	Acenaphthylene, Low Level Water	0.94	U		0.11	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	2,4-Dinitrotoluene, Low Level Water	0.94	U		0.12	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	Acenaphthene, Low Level Water	0.94	U		0.11	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.0000	ug/L	137856		12/15/04 2008	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.0000	ug/L	137856		12/15/04 2008	dpk
	Fluorene, Low Level Water	0.94	U		0.12	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	4-Nitroaniline, Low Level Water	9.4	U		2.2	9.4	1.0000	ug/L	137856		12/15/04 2008	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.7	U		0.18	4.7	1.0000	ug/L	137856		12/15/04 2008	dpk
	Hexachlorobenzene, Low Level Water	0.47	U		0.092	0.47	1.0000	ug/L	137856		12/15/04 2008	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.0000	ug/L	137856		12/15/04 2008	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.7	U		0.71	4.7	1.0000	ug/L	137856		12/15/04 2008	dpk
	Pentachlorophenol, Low Level Water	9.4	U		1.6	9.4	1.0000	ug/L	137856		12/15/04 2008	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.94	U		0.12	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.0000	ug/L	137856		12/15/04 2008	dpk
	Phenanthrene, Low Level Water	0.94	U		0.13	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	Anthracene, Low Level Water	0.94	U		0.14	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	Carbazole, Low Level Water	4.7	U		0.27	4.7	1.0000	ug/L	137856		12/15/04 2008	dpk
	Di-n-butyl phthalate, Low Level Water	4.7	U		0.34	4.7	1.0000	ug/L	137856		12/15/04 2008	dpk
	Fluoranthene, Low Level Water	0.94	U		0.13	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	Pyrene, Low Level Water	0.94	U		0.11	0.94	1.0000	ug/L	137856		12/15/04 2008	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.0000	ug/L	137856		12/15/04 2008	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.046	0.19	1.0000	ug/L	137856		12/15/04 2008	dpk
	Chrysene, Low Level Water	0.47	U		0.042	0.47	1.0000	ug/L	137856		12/15/04 2008	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: 1L8sw-003-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-15
 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
	3,3-Dichlorobenzidine, Low Level Water	4.7	U		0.68	4.7	1.00000	ug/L	137856		12/15/04 2008	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137856		12/15/04 2008	dpk
	Di-n-octyl phthalate, Low Level Water	9.4	U		2.4	9.4	1.00000	ug/L	137856		12/15/04 2008	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.063	0.38	1.00000	ug/L	137856		12/15/04 2008	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.068	0.38	1.00000	ug/L	137856		12/15/04 2008	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.079	0.38	1.00000	ug/L	137856		12/15/04 2008	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.081	0.38	1.00000	ug/L	137856		12/15/04 2008	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137856		12/15/04 2008	dpk
	Benzo(ghi)perylene, Low Level Water	0.94	U		0.18	0.94	1.00000	ug/L	137856		12/15/04 2008	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 RVAAP 14 AOCs ATTN: Eric Ellis

Customer Sample ID: LL8sw-003-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-15
 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	0.31	U		0.068	0.31	1.00000	ug/L	137848		12/17/04 0641	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137848		12/17/04 0641	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137848		12/17/04 0641	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137848		12/17/04 0641	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137848		12/17/04 0641	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137848		12/17/04 0641	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137848		12/17/04 0641	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137848		12/17/04 0641	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137848		12/17/04 0641	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137848		12/17/04 0641	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137848		12/17/04 0641	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137848		12/17/04 0641	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137848		12/17/04 0641	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137848		12/17/04 0641	san

* 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: LL8sw-003-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-16
 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	137896		12/22/04 1324	kd

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date:01/04/2005				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RVAAP 14 MOCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-003-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 13:40 Sample Matrix.....: Water			Laboratory Sample ID: 232603-16 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/14/04 0146	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136999		12/14/04 0022	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137522		12/16/04 1400	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 2230	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1446	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	180			24	150	1	ug/L	137992		12/22/04 1825	lmr
	Barium	28			1.3	10	1	ug/L	137992		12/22/04 1825	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1825	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1825	lmr
	Calcium	58000			9.5	100	1	ug/L	137992		12/22/04 1825	lmr
	Chromium	10		U	1.1	10	1	ug/L	137992		12/22/04 1825	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137992		12/22/04 1825	lmr
	Copper	10		U	2.2	10	1	ug/L	137992		12/22/04 1825	lmr
	Iron	200			38	120	1	ug/L	138123		12/28/04 0559	lmr
	Magnesium	8400			8.1	100	1	ug/L	137992		12/22/04 1825	lmr
	Manganese	19			0.41	10	1	ug/L	137992		12/22/04 1825	lmr
	Nickel	10		U	1.0	10	1	ug/L	137992		12/22/04 1825	lmr
	Potassium	1300			66	500	1	ug/L	137992		12/22/04 1825	lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: MCH Engineers, Inc.

PROJECT: USACE RVAAP 14 AGGS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-003-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-16
 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	15	U		3.0	15	1	ug/L	137992		12/22/04 1825	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1825	Lmr
	Sodium	1500	B		490	1500	1	ug/L	137992		12/22/04 1825	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1825	Lmr
	Zinc	6.5	B		1.6	30	1	ug/L	137992		12/22/04 1825	Lmr

* 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 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-003-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 13:40 Sample Matrix.....: Water			Laboratory Sample ID: 232603-16 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	0.14	U		0.044	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	beta-BHC	0.093	U		0.026	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	delta-BHC	0.093	U		0.023	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	gamma-BHC (Lindane)	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	Heptachlor	0.14	U		0.038	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	Aldrin	0.093	U		0.026	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	Endosulfan I	0.093	U		0.020	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	Dieldrin	0.093	U		0.017	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	4,4'-DDE	0.093	U		0.021	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	Endrin	0.093	U		0.016	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	Endosulfan II	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137888		12/16/04 1610	kdt
	Endosulfan sulfate	0.14	U		0.041	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	Methoxychlor	0.56	U		0.16	0.56	1.00000	ug/L	137888		12/16/04 1610	kdt
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	137888		12/16/04 1610	kdt
	gamma-Chlordane	0.093	U		0.016	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137888		12/16/04 1610	kdt
	Endrin ketone	0.093	U		0.027	0.093	1.00000	ug/L	137888		12/16/04 1610	kdt
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	137888		12/16/04 1610	kdt

* 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: LL8sw-003-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 13:40 Sample Matrix.....: Water				Laboratory Sample ID: 232603-16 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	0.56		U	0.17	0.56	1.00000	ug/L	137899		12/15/04 1202	pjg
	Aroclor 1221	1.2		U	0.39	1.2	1.00000	ug/L	137899		12/15/04 1202	pjg
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 1202	pjg
	Aroclor 1242	1.2		U	0.40	1.2	1.00000	ug/L	137899		12/15/04 1202	pjg
	Aroclor 1248	1.4		U	0.45	1.4	1.00000	ug/L	137899		12/15/04 1202	pjg
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 1202	pjg
	Aroclor 1260	0.56		U	0.16	0.56	1.00000	ug/L	137899		12/15/04 1202	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATIN: Eric Ellis

Customer Sample ID: LL8sw-003-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-16
 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 2321	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 2321	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 2321	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 2321	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 2321	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKK Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATIN: Eric Ellis

Customer Sample ID: LL8sw-003-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-16
 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 2321	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 2321	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 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-003-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-16
 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
8270C	Semivolatiles Organics										
	Phenol, Low Level Water	4.9	U	0.34	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U	0.29	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U	0.42	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U	0.32	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U	0.34	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Benzyl alcohol, Low Level Water	19	U	2.1	19	1.00000	ug/L	137856		12/15/04 2125	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U	0.27	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U	0.079	0.49	1.00000	ug/L	137856		12/15/04 2125	dpk
	Hexachloroethane, Low Level Water	4.9	U	0.59	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U	0.097	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	2-Chlorophenol, Low Level Water	4.9	U	0.12	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Nitrobenzene, Low Level Water	0.97	U	0.16	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U	0.30	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U	0.33	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Benzoic acid, Low Level Water	19	U	2.9	19	1.00000	ug/L	137856		12/15/04 2125	dpk
	Isophorone, Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U	1.3	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U	0.62	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Naphthalene, Low Level Water	0.97	U	0.16	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U	0.88	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	4-Chloroaniline, Low Level Water	9.7	U	2.7	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U	0.20	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U	1.4	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	0.63	19	1.00000	ug/L	137856		12/15/04 2125	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U	0.13	0.49	1.00000	ug/L	137856		12/15/04 2125	dpk
	2-Nitroaniline, Low Level Water	4.9	U	0.21	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKN Engineers, Inc.

PROJECT: USACE RYMAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-003-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-16
 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, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	137856		12/15/04 2125	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	137856		12/15/04 2125	dpk
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	137856		12/15/04 2125	dpk
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	137856		12/15/04 2125	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 2125	dpk
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	137856		12/15/04 2125	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	137856		12/15/04 2125	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: LL8sw-003-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 13:40 Sample Matrix.....: Water			Laboratory Sample ID: 232603-16 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
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.70	4.9	1.00000	ug/L	137856		12/15/04 2125	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	137856		12/15/04 2125	dpk
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	137856		12/15/04 2125	dpk
	Benzo(b)fluoranthene, Low Level Water	0.24	J	H	0.065	0.39	1.00000	ug/L	137856		12/15/04 2125	dpk
	Benzo(k)fluoranthene, Low Level Water	0.36	J		0.070	0.39	1.00000	ug/L	137856		12/15/04 2125	dpk
	Benzo(a)pyrene, Low Level Water	0.29	J		0.082	0.39	1.00000	ug/L	137856		12/15/04 2125	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.28	J		0.083	0.39	1.00000	ug/L	137856		12/15/04 2125	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.27	J		0.13	0.39	1.00000	ug/L	137856		12/15/04 2125	dpk
	Benzo(ghi)perylene, Low Level Water	0.31	J		0.18	0.97	1.00000	ug/L	137856		12/15/04 2125	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-003-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-16
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	LOT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.55	U		0.12	0.55	1.00000	ug/L	137848		12/17/04 0819	san
	RDX	0.35	U		0.11	0.35	1.00000	ug/L	137848		12/17/04 0819	san
	1,3,5-Trinitrobenzene	0.35	U		0.10	0.35	1.00000	ug/L	137848		12/17/04 0819	san
	1,3-Dinitrobenzene	0.35	U		0.097	0.35	1.00000	ug/L	137848		12/17/04 0819	san
	Nitrobenzene	0.28	U		0.078	0.28	1.00000	ug/L	137848		12/17/04 0819	san
	2,4,6-TNT	0.44	U		0.14	0.44	1.00000	ug/L	137848		12/17/04 0819	san
	Tetryl	1.4	U		0.29	1.4	1.00000	ug/L	137848		12/17/04 0819	san
	2,4-Dinitrotoluene	0.64	U		0.22	0.64	1.00000	ug/L	137848		12/17/04 0819	san
	2,6-Dinitrotoluene	0.76	U		0.25	0.76	1.00000	ug/L	137848		12/17/04 0819	san
	2-Amino-4,6-Dinitrotoluene	0.64	U		0.21	0.64	1.00000	ug/L	137848		12/17/04 0819	san
	4-Amino-2,6-Dinitrotoluene	0.58	U		0.20	0.58	1.00000	ug/L	137848		12/17/04 0819	san
	2-Nitrotoluene	0.55	U		0.16	0.55	1.00000	ug/L	137848		12/17/04 0819	san
	4-Nitrotoluene	0.55	U		0.18	0.55	1.00000	ug/L	137848		12/17/04 0819	san
	3-Nitrotoluene	0.55	U		0.18	0.55	1.00000	ug/L	137848		12/17/04 0819	san

* 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: LL8sw-004-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-3
 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.13		B	0.057	0.20	1	mg/L	137399		12/17/04 1445	kd

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-004-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 11:00 Sample Matrix.....: Water			Laboratory Sample ID: 232603-3 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RU	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	137013		12/13/04 2251	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	136999		12/13/04 2145	daj
7421	Lead (GFAA) Lead	0.82	B		0.79	3.0	1	ug/L	137235		12/16/04 0747	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	137028		12/13/04 1853	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137472		12/17/04 1415	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	260			24	150	1	ug/L	137992		12/22/04 1507	Lmr
	Barium	27			1.3	10	1	ug/L	137992		12/22/04 1507	Lmr
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1507	Lmr
	Cadmium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1507	Lmr
	Calcium	58000			9.5	100	1	ug/L	137992		12/22/04 1507	Lmr
	Chromium	1.3	B		1.1	10	1	ug/L	137992		12/22/04 1507	Lmr
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137992		12/22/04 1507	Lmr
	Copper	10	U		2.2	10	1	ug/L	137992		12/22/04 1507	Lmr
	Iron	350			38	120	1	ug/L	138123		12/28/04 0351	Lmr
	Magnesium	8100			8.1	100	1	ug/L	137992		12/22/04 1507	Lmr
	Manganese	46			0.41	10	1	ug/L	137992		12/22/04 1507	Lmr
	Nickel	10	U		1.0	10	1	ug/L	137992		12/22/04 1507	Lmr
	Potassium	1200			66	500	1	ug/L	137992		12/22/04 1507	Lmr

* In Description = Dry Wgt.

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Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYRAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-004-SW			Laboratory Sample ID: 232603-3									
Date Sampled: 12/08/2004			Date Received: 12/09/2004									
Time Sampled: 11:00			Time Received: 10:00									
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1507	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1507	Lmr
	Sodium	1500			490	1500	1	ug/L	137992		12/22/04 1507	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1507	Lmr
	Zinc	5.9	B		1.6	30	1	ug/L	137992		12/22/04 1507	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603 Date: 12/22/2004

CUSTOMER: HCN Engineers, Inc. PROJECT: USACE RVAAP 14 AOC5
ATTN: Eric Ellis

Customer Sample ID: LL8w-004-SW Laboratory Sample ID: 232603-3
 Date Sampled.....: 12/08/2004 Date Received.....: 12/09/2004
 Time Sampled.....: 11:00 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137888		12/16/04 1133	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	137888		12/16/04 1133	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	137888		12/16/04 1133	kdL
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137888		12/16/04 1133	kdL
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	137888		12/16/04 1133	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	137888		12/16/04 1133	kdL

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603 Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AOS

Customer Sample ID: LL8sw-004-SW Laboratory Sample ID: 232603-3
 Date Sampled.....: 12/08/2004 Date Received.....: 12/09/2004
 Time Sampled.....: 11:00 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57		U	0.17	0.57	1.00000	ug/L	137899		12/15/04 0425	pjg
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	137899		12/15/04 0425	pjg
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 0425	pjg
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	137899		12/15/04 0425	pjg
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	137899		12/15/04 0425	pjg
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 0425	pjg
	Aroclor 1260	0.57		U	0.16	0.57	1.00000	ug/L	137899		12/15/04 0425	pjg

* 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: LL8sw-004-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-3
 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 1859	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 1859	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 1859	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 1859	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 1859	jdj

* 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: LL8sw-004-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 11:00 Sample Matrix.....: Water			Laboratory Sample ID: 232603-3 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 1859	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 1859	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 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-004-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-3
 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
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 1640	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	137856		12/15/04 1640	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	137856		12/15/04 1640	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.63	19	1.00000	ug/L	137856		12/15/04 1640	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	137856		12/15/04 1640	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1640	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 RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-004-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-3
 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
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	137856		12/15/04 1640	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	137856		12/15/04 1640	dpk
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	137856		12/15/04 1640	dpk
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	137856		12/15/04 1640	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 1640	dpk
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	137856		12/15/04 1640	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	137856		12/15/04 1640	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	137856		12/15/04 1640	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-004-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-3
 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
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.70	4.9	1.00000	ug/L	137856		12/15/04 1640	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	137856		12/15/04 1640	dpk
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	137856		12/15/04 1640	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	137856		12/15/04 1640	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	137856		12/15/04 1640	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	137856		12/15/04 1640	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	137856		12/15/04 1640	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	137856		12/15/04 1640	dpk
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	137856		12/15/04 1640	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 RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-004-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 11:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-3
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLABS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.33	U		0.071	0.33	1.00000	ug/L	137848		12/17/04 0148	san
	RDX	0.21	U		0.067	0.21	1.00000	ug/L	137848		12/17/04 0148	san
	1,3,5-Trinitrobenzene	0.21	U		0.061	0.21	1.00000	ug/L	137848		12/17/04 0148	san
	1,3-Dinitrobenzene	0.21	U		0.058	0.21	1.00000	ug/L	137848		12/17/04 0148	san
	Nitrobenzene	0.17	U		0.046	0.17	1.00000	ug/L	137848		12/17/04 0148	san
	2,4,6-TNT	0.26	U		0.082	0.26	1.00000	ug/L	137848		12/17/04 0148	san
	Tetryl	0.82	U		0.17	0.82	1.00000	ug/L	137848		12/17/04 0148	san
	2,4-Dinitrotoluene	0.38	U		0.13	0.38	1.00000	ug/L	137848		12/17/04 0148	san
	2,6-Dinitrotoluene	0.45	U		0.15	0.45	1.00000	ug/L	137848		12/17/04 0148	san
	2-Amino-4,6-Dinitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	137848		12/17/04 0148	san
	4-Amino-2,6-Dinitrotoluene	0.35	U		0.12	0.35	1.00000	ug/L	137848		12/17/04 0148	san
	2-Nitrotoluene	0.33	U		0.098	0.33	1.00000	ug/L	137848		12/17/04 0148	san
	4-Nitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137848		12/17/04 0148	san
	3-Nitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137848		12/17/04 0148	san

* 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 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-005-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water			Laboratory Sample ID: 232603-4 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U		0.057	0.20	1	mg/L	137399		12/17/04 1445	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: MKN Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-005-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-4
 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/13/04 2303	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136999		12/13/04 2157	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137235		12/16/04 0800	daj
7B41	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 1905	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1418	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	210			24	150	1	ug/L	137992		12/22/04 1513	Lmr
	Barium	28			1.3	10	1	ug/L	137992		12/22/04 1513	Lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1513	Lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1513	Lmr
	Calcium	59000			9.5	100	1	ug/L	137992		12/22/04 1513	Lmr
	Chromium	1.3		B	1.1	10	1	ug/L	137992		12/22/04 1513	Lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137992		12/22/04 1513	Lmr
	Copper	10		U	2.2	10	1	ug/L	137992		12/22/04 1513	Lmr
	Iron	440			38	120	1	ug/L	138123		12/28/04 0357	Lmr
	Magnesium	8200			8.1	100	1	ug/L	137992		12/22/04 1513	Lmr
	Manganese	68			0.41	10	1	ug/L	137992		12/22/04 1513	Lmr
	Nickel	10		U	1.0	10	1	ug/L	137992		12/22/04 1513	Lmr
	Potassium	1200			66	500	1	ug/L	137992		12/22/04 1513	Lmr

* 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	15		U	3.0	15	1	ug/L	137992		12/22/04 1513	Lmr
		Silver	10		U	0.72	10	1	ug/L	137992		12/22/04 1513	Lmr
		Sodium	1500			490	1500	1	ug/L	137992		12/22/04 1513	Lmr
		Vanadium	10		U	1.0	10	1	ug/L	137992		12/22/04 1513	Lmr
		Zinc	9.8		B	1.6	30	1	ug/L	137992		12/22/04 1513	Lmr

* 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 AGCS			ATTN: Eric Ellis						
Customer Sample ID: LLBsw-005-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water			Laboratory Sample ID: 232603-4 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	137888		12/16/04 1158	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	137888		12/16/04 1158	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	137888		12/16/04 1158	kdl
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	137888		12/16/04 1158	kdl
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	137888		12/16/04 1158	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	137888		12/16/04 1158	kdl

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232603								Date: 12/22/2004			
CUSTOMER: MKN Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: LL8sw-005-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water					Laboratory Sample ID: 232603-4 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
8082	PCB Analysis										
	Aroclor 1016	0.59	U	0.18	0.59	1.00000	ug/L	137899		12/15/04 0500	pjs
	Aroclor 1221	1.3	U	0.41	1.3	1.00000	ug/L	137899		12/15/04 0500	pjs
	Aroclor 1232	1.3	U	0.34	1.3	1.00000	ug/L	137899		12/15/04 0500	pjs
	Aroclor 1242	1.3	U	0.42	1.3	1.00000	ug/L	137899		12/15/04 0500	pjs
	Aroclor 1248	1.5	U	0.47	1.5	1.00000	ug/L	137899		12/15/04 0500	pjs
	Aroclor 1254	1.3	U	0.34	1.3	1.00000	ug/L	137899		12/15/04 0500	pjs
	Aroclor 1260	0.59	U	0.17	0.59	1.00000	ug/L	137899		12/15/04 0500	pjs

* 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: LL8sw-005-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-4
 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 1921	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 1921	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 1921	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 1921	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 1921	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: PKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-005-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-4
 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
	Dibromochloromethane	1.0		U	0.060	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,2-Dibromoethane (EDB)	1.0		U	0.13	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Chlorobenzene	1.0		U	0.080	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Ethylbenzene	1.0		U	0.070	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	m&p-Xylenes	2.0		U	0.18	2.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	o-Xylene	1.0		U	0.080	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Styrene	1.0		U	0.13	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Bromoform	1.0		U	0.11	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,1,2,2-Tetrachloroethane	1.0		U	0.090	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	1,2-Dichloroethene (total)	1.0		U	0.23	1.0	1.00000	ug/L	137373		12/16/04 1921	jdj
	Xylenes (total)	1.0		U	0.28	1.0	1.00000	ug/L	137373		12/16/04 1921	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-AOCS

ATTN: Eric Elits

Customer Sample ID: LLBsw-005-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-4
 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
8270C	Semivolatile Organics										
	Phenol, Low Level Water	5.0	U	0.35	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U	0.30	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U	0.43	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U	0.33	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U	0.35	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Benzyl alcohol, Low Level Water	20	U	2.2	20	1.00000	ug/L	137856		12/15/04 1706	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U	0.28	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U	0.080	0.50	1.00000	ug/L	137856		12/15/04 1706	dpk
	Hexachloroethane, Low Level Water	5.0	U	0.60	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U	0.099	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	2-Chlorophenol, Low Level Water	5.0	U	0.12	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Nitrobenzene, Low Level Water	0.99	U	0.16	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U	0.31	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U	0.34	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Benzoic acid, Low Level Water	20	U *	3.0	20	1.00000	ug/L	137856		12/15/04 1706	dpk
	Isophorone, Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,4-Dimethylphenol, Low Level Water	9.9	U	1.3	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U	0.63	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Naphthalene, Low Level Water	0.99	U	0.16	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,4-Dichlorophenol, Low Level Water	9.9	U	0.90	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	4-Chloroaniline, Low Level Water	9.9	U	2.8	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U	0.21	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.9	U	1.4	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	0.64	20	1.00000	ug/L	137856		12/15/04 1706	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U	0.13	0.50	1.00000	ug/L	137856		12/15/04 1706	dpk
	2-Nitroaniline, Low Level Water	5.0	U	0.22	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	137856		12/15/04 1706	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 RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-005-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-4
 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, Low Level Water	9.9	U		2.4	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	137856		12/15/04 1706	dpk
	2-Nitrophenol, Low Level Water	9.9	U		0.81	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	3-Nitroaniline, Low Level Water	9.9	U		2.1	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	137856		12/15/04 1706	dpk
	Acenaphthylene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	2,4-Dinitrotoluene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	Acenaphthene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	137856		12/15/04 1706	dpk
	Fluorene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	4-Nitroaniline, Low Level Water	9.9	U		2.3	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.096	0.50	1.00000	ug/L	137856		12/15/04 1706	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.74	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Pentachlorophenol, Low Level Water	9.9	U		1.7	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	137856		12/15/04 1706	dpk
	Phenanthrene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	Anthracene, Low Level Water	0.99	U		0.15	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Fluoranthene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	Pyrene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	137856		12/15/04 1706	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	137856		12/15/04 1706	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	137856		12/15/04 1706	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: LL8sw-005-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water			Laboratory Sample ID: 232603-4 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
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.71	5.0	1.00000	ug/L	137856		12/15/04 1706	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	137856		12/15/04 1706	dpk
	Di-n-octyl phthalate, Low Level Water	9.9	U		2.5	9.9	1.00000	ug/L	137856		12/15/04 1706	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.066	0.40	1.00000	ug/L	137856		12/15/04 1706	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.071	0.40	1.00000	ug/L	137856		12/15/04 1706	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.083	0.40	1.00000	ug/L	137856		12/15/04 1706	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	137856		12/15/04 1706	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	137856		12/15/04 1706	dpk
	Benzo(ghi)perylene, Low Level Water	0.99	U		0.19	0.99	1.00000	ug/L	137856		12/15/04 1706	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 RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-005-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-4
 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	0.52		U	0.11	0.52	1.00000	ug/L	137848		12/17/04 0221	san
	RDX	0.34		U	0.11	0.34	1.00000	ug/L	137848		12/17/04 0221	san
	1,3,5-Trinitrobenzene	0.34		U	0.098	0.34	1.00000	ug/L	137848		12/17/04 0221	san
	1,3-Dinitrobenzene	0.34		U	0.093	0.34	1.00000	ug/L	137848		12/17/04 0221	san
	Nitrobenzene	0.27		U	0.074	0.27	1.00000	ug/L	137848		12/17/04 0221	san
	2,4,6-TNT	0.42		U	0.13	0.42	1.00000	ug/L	137848		12/17/04 0221	san
	Tetryl	1.3		U	0.28	1.3	1.00000	ug/L	137848		12/17/04 0221	san
	2,4-Dinitrotoluene	0.61		U	0.21	0.61	1.00000	ug/L	137848		12/17/04 0221	san
	2,6-Dinitrotoluene	0.72		U	0.24	0.72	1.00000	ug/L	137848		12/17/04 0221	san
	2-Amino-4,6-Dinitrotoluene	0.61		U	0.20	0.61	1.00000	ug/L	137848		12/17/04 0221	san
	4-Amino-2,6-Dinitrotoluene	0.56		U	0.19	0.56	1.00000	ug/L	137848		12/17/04 0221	san
	2-Nitrotoluene	0.52		U	0.16	0.52	1.00000	ug/L	137848		12/17/04 0221	san
	4-Nitrotoluene	0.52		U	0.17	0.52	1.00000	ug/L	137848		12/17/04 0221	san
	3-Nitrotoluene	0.52		U	0.17	0.52	1.00000	ug/L	137848		12/17/04 0221	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.7		U	0.25	1.7	1.00000	ug/L	137829		12/20/04 2243	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LL8sw-005-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L090396-005 Work Order #...: G0NTP1AC Matrix.....: WATER
Date Sampled...: 12/08/04 09:40 Date Received...: 12/09/04
Prep Date.....: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL 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	20	ug/L	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: LL8sw-005-SW

General Chemistry

Lot-Sample #...: G4L090396-005 Work Order #...: GONTF Matrix.....: WATER
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	ND	0.50	mg/L	MCAWW 353.2	12/21-12/22/04	4356659
		MDL.....: 0.12				

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Job Number: 232642		LABORATORY TEST RESULTS					Date: 01/04/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-007-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232642-4 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	137896		12/22/04 1325	kd

* 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: LL8sw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-4
 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/14/04 0247	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1122	daj
7421	Lead (GFAA) Lead	0.88		B	0.79	3.0	1	ug/L	137522		12/17/04 0548	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 2352	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1522	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	400			24	150	1	ug/L	138130		12/27/04 1340	lmr
	Barium	23			1.3	10	1	ug/L	138130		12/27/04 1340	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1340	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1340	lmr
	Calcium	48000			9.5	100	1	ug/L	138130		12/27/04 1340	lmr
	Chromium	1.2		B	1.1	10	1	ug/L	138130		12/27/04 1340	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1340	lmr
	Copper	10		U	2.2	10	1	ug/L	138130		12/27/04 1340	lmr
	Iron	470			38	120	1	ug/L	138130		12/27/04 1340	lmr
	Magnesium	5800			8.1	100	1	ug/L	138130		12/27/04 1340	lmr
	Manganese	39			0.41	10	1	ug/L	138130		12/27/04 1340	lmr
	Nickel	10		U	1.0	10	1	ug/L	138130		12/27/04 1340	lmr
	Potassium	1200			66	500	1	ug/L	138130		12/27/04 1340	lmr

* 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 AOGS ATTN: Eric Ellis

Customer Sample ID: LL8sw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-4
 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	15		U	3.0	15	1	ug/L	138130		12/27/04 1340	Lmr
	Silver	0.87		B	0.72	10	1	ug/L	138130		12/27/04 1340	Lmr
	Sodium	1500			490	1500	1	ug/L	138130		12/27/04 1340	Lmr
	Vanadium	1.2		B	1.0	10	1	ug/L	138130		12/27/04 1340	Lmr
	Zinc	10		B	1.6	30	1	ug/L	138130		12/27/04 1340	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642 Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc. ATTN: Eric ELLIS

PROJECT: USACE RVAAP 14 AGCS

Customer Sample ID: LLBsw-007-SW Laboratory Sample ID: 232642-4
 Date Sampled.....: 12/09/2004 Date Received.....: 12/10/2004
 Time Sampled.....: 10:30 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	Endrin	0.095	U	*	0.016	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	138023		12/15/04 1845	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	138023		12/15/04 1845	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138023		12/15/04 1845	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	138023		12/15/04 1845	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	138023		12/15/04 1845	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138023		12/15/04 1845	kdl

* In Description = Dry Wgt.

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Job Number: 232642 LABORATORY TEST RESULTS Date: 12/27/2004

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

Customer Sample ID: LL8sw-007-SW Laboratory Sample ID: 232642-4
 Date Sampled.....: 12/09/2004 Date Received.....: 12/10/2004
 Time Sampled.....: 10:30 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57	U		0.17	0.57	1.00000	ug/L	138063		12/16/04 1406	pjg
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	138063		12/16/04 1406	pjg
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	138063		12/16/04 1406	pjg
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	138063		12/16/04 1406	pjg
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	138063		12/16/04 1406	pjg
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	138063		12/16/04 1406	pjg
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	138063		12/16/04 1406	pjg

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L18sw-007-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232642-4 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
82608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 2005	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 2005	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 2005	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 2005	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 2005	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232642				Date: 12/22/2004							
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: LL8sw-007-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water						Laboratory Sample ID: 232642-4 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
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	137371		12/16/04 2005	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

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: LL&sw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-4
 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
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138078		12/20/04 0530	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	138078		12/20/04 0530	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138078		12/20/04 0530	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.62	19	1.00000	ug/L	138078		12/20/04 0530	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	138078		12/20/04 0530	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk

* 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 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-4
 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
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	138078		12/20/04 0530	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	138078		12/20/04 0530	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	138078		12/20/04 0530	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	138078		12/20/04 0530	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138078		12/20/04 0530	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	138078		12/20/04 0530	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	138078		12/20/04 0530	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	138078		12/20/04 0530	dpk

* In Description = Dry Wgt.

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TEST METHOD		PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QC	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH																																																																																																																														
LABORATORY TEST RESULTS																																																																																																																																											
Job Number: 232642								Date: 12/27/2004																																																																																																																																			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AODS				ATTN: Eric ELLIS																																																																																																																																			
Customer Sample ID: LL8sw-007-SW						Laboratory Sample ID: 232642-4																																																																																																																																					
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Time Sampled.....: 10:30						Time Received.....: 10:00																																																																																																																																					
Sample Matrix.....: Water																																																																																																																																											
<table border="1"> <tbody> <tr> <td></td> <td>3,3-Dichlorobenzidine, Low Level Water</td> <td>4.8</td> <td>U</td> <td></td> <td></td> <td>0.69</td> <td>4.8</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Bis(2-ethylhexyl)phthalate, Low Level Water</td> <td>14</td> <td>U</td> <td>B</td> <td></td> <td>3.7</td> <td>14</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Di-n-octyl phthalate, Low Level Water</td> <td>9.5</td> <td>U</td> <td></td> <td></td> <td>2.4</td> <td>9.5</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Benzo(b)fluoranthene, Low Level Water</td> <td>0.38</td> <td>U</td> <td></td> <td></td> <td>0.064</td> <td>0.38</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Benzo(k)fluoranthene, Low Level Water</td> <td>0.38</td> <td>U</td> <td></td> <td></td> <td>0.069</td> <td>0.38</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Benzo(a)pyrene, Low Level Water</td> <td>0.38</td> <td>U</td> <td></td> <td></td> <td>0.080</td> <td>0.38</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Indeno(1,2,3-cd)pyrene, Low Level Water</td> <td>0.38</td> <td>U</td> <td></td> <td></td> <td>0.082</td> <td>0.38</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Dibenzo(a,h)anthracene, Low Level Water</td> <td>0.38</td> <td>U</td> <td></td> <td></td> <td>0.12</td> <td>0.38</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> <tr> <td></td> <td>Benzo(ghi)perylene, Low Level Water</td> <td>0.95</td> <td>U</td> <td></td> <td></td> <td>0.18</td> <td>0.95</td> <td>1.00000</td> <td>ug/L</td> <td>138078</td> <td></td> <td>12/20/04 0530</td> <td>dpk</td> </tr> </tbody> </table>															3,3-Dichlorobenzidine, Low Level Water	4.8	U			0.69	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk		Bis(2-ethylhexyl)phthalate, Low Level Water	14	U	B		3.7	14	1.00000	ug/L	138078		12/20/04 0530	dpk		Di-n-octyl phthalate, Low Level Water	9.5	U			2.4	9.5	1.00000	ug/L	138078		12/20/04 0530	dpk		Benzo(b)fluoranthene, Low Level Water	0.38	U			0.064	0.38	1.00000	ug/L	138078		12/20/04 0530	dpk		Benzo(k)fluoranthene, Low Level Water	0.38	U			0.069	0.38	1.00000	ug/L	138078		12/20/04 0530	dpk		Benzo(a)pyrene, Low Level Water	0.38	U			0.080	0.38	1.00000	ug/L	138078		12/20/04 0530	dpk		Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U			0.082	0.38	1.00000	ug/L	138078		12/20/04 0530	dpk		Dibenzo(a,h)anthracene, Low Level Water	0.38	U			0.12	0.38	1.00000	ug/L	138078		12/20/04 0530	dpk		Benzo(ghi)perylene, Low Level Water	0.95	U			0.18	0.95	1.00000	ug/L	138078		12/20/04 0530	dpk
	3,3-Dichlorobenzidine, Low Level Water	4.8	U			0.69	4.8	1.00000	ug/L	138078		12/20/04 0530	dpk																																																																																																																														
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* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: HOK Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-4
 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	0.31	U		0.068	0.31	1.00000	ug/L	137969		12/17/04 0748	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137969		12/17/04 0748	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137969		12/17/04 0748	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137969		12/17/04 0748	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137969		12/17/04 0748	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137969		12/17/04 0748	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137969		12/17/04 0748	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0748	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137969		12/17/04 0748	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0748	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137969		12/17/04 0748	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137969		12/17/04 0748	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137969		12/17/04 0748	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137969		12/17/04 0748	san

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 R0CS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-008-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232642-5 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	137896		12/22/04 1326	kd

* 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 ADDS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-008-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-5
 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/14/04 0259	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1133	daj
7421	Lead (GFAA) Lead	0.95		B	0.79	3.0	1	ug/L	137522		12/17/04 0601	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/14/04 0004	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1525	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	380			24	150	1	ug/L	138130		12/27/04 1347	lmr
	Barium	24			1.3	10	1	ug/L	138130		12/27/04 1347	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1347	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1347	lmr
	Calcium	49000			9.5	100	1	ug/L	138130		12/27/04 1347	lmr
	Chromium	1.4		B	1.1	10	1	ug/L	138130		12/27/04 1347	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1347	lmr
	Copper	10		U	2.2	10	1	ug/L	138130		12/27/04 1347	lmr
	Iron	500			38	120	1	ug/L	138130		12/27/04 1347	lmr
	Magnesium	6200			8.1	100	1	ug/L	138130		12/27/04 1347	lmr
	Manganese	75			0.41	10	1	ug/L	138130		12/27/04 1347	lmr
	Nickel	10		U	1.0	10	1	ug/L	138130		12/27/04 1347	lmr
	Potassium	1200			66	500	1	ug/L	138130		12/27/04 1347	lmr

* 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 ADGS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-008-SW			Laboratory Sample ID: 232642-5									
Date Sampled: 12/09/2004			Date Received: 12/10/2004									
Time Sampled: 09:30			Time Received: 10:00									
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	3.7	B		3.0	15	1	ug/L	138130		12/27/04 1347	Lmr
	Silver	0.84	B		0.72	10	1	ug/L	138130		12/27/04 1347	Lmr
	Sodium	1400	B		490	1500	1	ug/L	138130		12/27/04 1347	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	138130		12/27/04 1347	Lmr
	Zinc	8.0	B		1.6	30	1	ug/L	138130		12/27/04 1347	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642 LABORATORY TEST RESULTS Date: 12/27/2004

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

Customer Sample ID: LL8sw-008-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-5
 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	Endrin	0.10	U	*	0.017	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	138023		12/15/04 1910	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	Methoxychlor	0.60	U		0.17	0.60	1.00000	ug/L	138023		12/15/04 1910	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	138023		12/15/04 1910	kdl
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	138023		12/15/04 1910	kdl
	Endrin ketone	0.10	U		0.029	0.10	1.00000	ug/L	138023		12/15/04 1910	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	138023		12/15/04 1910	kdl

* In Description = Dry Wgt.

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Job Number: 232642 LABORATORY TEST RESULTS Date: 12/27/2004

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

Customer Sample ID: LL8sw-008-SW
Date Sampled.....: 12/09/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 232642-5
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
8082	PCB Analysis											
	Aroclor 1016	0.60		U	0.18	0.60	1.00000	ug/L	138063		12/16/04 1431	pjg
	Aroclor 1221	1.3		U	0.42	1.3	1.00000	ug/L	138063		12/16/04 1431	pjg
	Aroclor 1232	1.3		U	0.35	1.3	1.00000	ug/L	138063		12/16/04 1431	pjg
	Aroclor 1242	1.3		U	0.43	1.3	1.00000	ug/L	138063		12/16/04 1431	pjg
	Aroclor 1248	1.5		U	0.48	1.5	1.00000	ug/L	138063		12/16/04 1431	pjg
	Aroclor 1254	1.3		U	0.35	1.3	1.00000	ug/L	138063		12/16/04 1431	pjg
	Aroclor 1260	0.60		U	0.17	0.60	1.00000	ug/L	138063		12/16/04 1431	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-008-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232642-5 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 2029	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 2029	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 2029	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Trichloroethene	1.0	U	H	0.10	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 2029	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 2029	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232642				Date: 12/22/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADGS				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-008-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water						Laboratory Sample ID: 232642-5 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 2029	jdj

* 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 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-008-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-5
 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
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	138078		12/20/04 0553	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	138078		12/20/04 0553	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	138078		12/20/04 0553	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	138078		12/20/04 0553	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	138078		12/20/04 0553	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-008-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 09:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-5
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	138078		12/20/04 0553	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	138078		12/20/04 0553	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	138078		12/20/04 0553	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	138078		12/20/04 0553	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	138078		12/20/04 0553	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	138078		12/20/04 0553	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	138078		12/20/04 0553	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-008-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-5
 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
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	138078		12/20/04 0553	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U	B	3.9	15	1.00000	ug/L	138078		12/20/04 0553	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	138078		12/20/04 0553	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	138078		12/20/04 0553	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	138078		12/20/04 0553	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	138078		12/20/04 0553	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	138078		12/20/04 0553	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	138078		12/20/04 0553	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	138078		12/20/04 0553	dpk

* 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: LL8sw-008-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-5
 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	0.31	U		0.068	0.31	1.00000	ug/L	137969		12/17/04 0820	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137969		12/17/04 0820	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137969		12/17/04 0820	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137969		12/17/04 0820	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137969		12/17/04 0820	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137969		12/17/04 0820	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137969		12/17/04 0820	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0820	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137969		12/17/04 0820	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0820	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137969		12/17/04 0820	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137969		12/17/04 0820	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137969		12/17/04 0820	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137969		12/17/04 0820	san

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS						Date: 01/06/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-009-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 232687-1 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	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: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-009-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-1
 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137250		12/16/04 1029	daj
7060A	Arsenic (GFAA) Arsenic	0.52		B	0.51	2.0	1	ug/L	137533		12/16/04 1352	daj
7421	Lead (GFAA) Lead	0.91		B	0.79	3.0	1	ug/L	137522		12/17/04 0756	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137277		12/16/04 1108	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137125		12/14/04 1644	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	410			24	150	1	ug/L	138130		12/27/04 1418	Lmr
	Barium	25			1.3	10	1	ug/L	138130		12/27/04 1418	Lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1418	Lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1418	Lmr
	Calcium	47000			9.5	100	1	ug/L	138130		12/27/04 1418	Lmr
	Chromium	10		U	1.1	10	1	ug/L	138130		12/27/04 1418	Lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1418	Lmr
	Copper	27			2.2	10	1	ug/L	138130		12/27/04 1418	Lmr
	Iron	830			38	120	1	ug/L	138130		12/27/04 1418	Lmr
	Magnesium	6200			8.1	100	1	ug/L	138130		12/27/04 1418	Lmr
	Manganese	190			0.41	10	1	ug/L	138130		12/27/04 1418	Lmr
	Nickel	10		U	1.0	10	1	ug/L	138130		12/27/04 1418	Lmr
	Potassium	1400			66	500	1	ug/L	138130		12/27/04 1418	Lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LLBsw-009-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-1
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	LIMITS	BATCH	DT	DATE/TIME	TECH
	Selenium	3.2	B		3.0	15	1	ug/L	138130		12/27/04 1418	Lmr
	Silver	10	U		0.72	10	1	ug/L	138130		12/27/04 1418	Lmr
	Sodium	1300	B		490	1500	1	ug/L	138130		12/27/04 1418	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	138130		12/27/04 1418	Lmr
	Zinc	11	B		1.6	30	1	ug/L	138130		12/27/04 1418	Lmr

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS					Date: 12/28/2004					
CUSTOMER: MDP Engineers, Inc.			PROJECT: USACE RVAAP 14 AOPS			ATTN: Eric Eltys						
Customer Sample ID: LL8sw-009-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 232687-1 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	Endrin	0.095	U	*	0.016	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	138145		12/16/04 0103	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	138145		12/16/04 0103	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138145		12/16/04 0103	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	138145		12/16/04 0103	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	138145		12/16/04 0103	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138145		12/16/04 0103	kdl

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RWAP 14 AQS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-009-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 232687-1 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
8082	PCB Analysis											
	Aroclor 1016	0.57		U	0.17	0.57	1.00000	ug/L	138079		12/16/04 1813	pjg
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	138079		12/16/04 1813	pjg
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	138079		12/16/04 1813	pjg
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	138079		12/16/04 1813	pjg
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	138079		12/16/04 1813	pjg
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	138079		12/16/04 1813	pjg
	Aroclor 1260	0.57		U	0.16	0.57	1.00000	ug/L	138079		12/16/04 1813	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-009-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-1
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Acetone	10	U		1.8	10	1.00000	ug/L	137580		12/19/04 0127	ema
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137580		12/19/04 0127	ema
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137580		12/19/04 0127	ema
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137580		12/19/04 0127	ema
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137580		12/19/04 0127	ema

* In Description = Dry Wgt.

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Job Number: 232687		LABORATORY TEST RESULTS							Date: 12/22/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP TA AOC5				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-009-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 232687-1 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137580		12/19/04 0127	ema
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137580		12/19/04 0127	ema
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137580		12/19/04 0127	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: MKK Engineers, Inc.

PROJECT: USAGE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-009-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-1
 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
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.7	U		0.33	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.28	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 2217	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.47	U		0.076	0.47	1.00000	ug/L	137856		12/15/04 2217	dpk
	Hexachloroethane, Low Level Water	4.7	U		0.58	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.094	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	2-Chlorophenol, Low Level Water	4.7	U		0.11	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Nitrobenzene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	Benzoic acid, Low Level Water	19	U	*	2.8	19	1.00000	ug/L	137856		12/15/04 2217	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,4-Dimethylphenol, Low Level Water	9.4	U		1.2	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	Hexachlorobutadiene, Low Level Water	4.7	U		0.60	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Naphthalene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,4-Dichlorophenol, Low Level Water	9.4	U		0.86	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	4-Chloroaniline, Low Level Water	9.4	U		2.6	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.7	U		0.20	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.4	U		1.3	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.61	19	1.00000	ug/L	137856		12/15/04 2217	dpk
	2-Methylnaphthalene, Low Level Water	0.47	U		0.12	0.47	1.00000	ug/L	137856		12/15/04 2217	dpk
	2-Nitroaniline, Low Level Water	4.7	U		0.21	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-009-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-1
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q. FLAGS	MDC	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.4	U	2.3	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,6-Dinitrotoluene, Low Level Water	0.47	U	0.10	0.47	1.00000	ug/L	137856		12/15/04 2217	dpk
	2-Nitrophenol, Low Level Water	9.4	U	0.77	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	3-Nitroaniline, Low Level Water	9.4	U	2.0	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	Dimethyl phthalate, Low Level Water	1.9	U	0.20	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,4-Dinitrophenol, Low Level Water	19	U	3.1	19	1.00000	ug/L	137856		12/15/04 2217	dpk
	Acenaphthylene, Low Level Water	0.94	U	0.11	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	2,4-Dinitrotoluene, Low Level Water	0.94	U	0.12	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	Acenaphthene, Low Level Water	0.94	U	0.11	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	Dibenzofuran, Low Level Water	1.9	U	0.12	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	4-Nitrophenol, Low Level Water	19	U	3.5	19	1.00000	ug/L	137856		12/15/04 2217	dpk
	Fluorene, Low Level Water	0.94	U	0.12	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	4-Nitroaniline, Low Level Water	9.4	U	2.2	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.7	U	0.18	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Hexachlorobenzene, Low Level Water	0.47	U	0.092	0.47	1.00000	ug/L	137856		12/15/04 2217	dpk
	Diethyl phthalate, Low Level Water	1.9	U	0.14	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.7	U	0.71	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Pentachlorophenol, Low Level Water	9.4	U	1.6	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.94	U	0.12	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U	2.3	19	1.00000	ug/L	137856		12/15/04 2217	dpk
	Phenanthrene, Low Level Water	0.94	U	0.13	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	Anthracene, Low Level Water	0.94	U	0.14	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	Carbazole, Low Level Water	4.7	U	0.27	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Di-n-butyl phthalate, Low Level Water	4.7	U	0.34	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Fluoranthene, Low Level Water	0.94	U	0.13	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	Pyrene, Low Level Water	0.94	U	0.11	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U	0.37	1.9	1.00000	ug/L	137856		12/15/04 2217	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U	0.046	0.19	1.00000	ug/L	137856		12/15/04 2217	dpk
	Chrysene, Low Level Water	0.47	U	0.042	0.47	1.00000	ug/L	137856		12/15/04 2217	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-009-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-1
 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
	3,3-Dichlorobenzidine, Low Level Water	4.7	U		0.68	4.7	1.00000	ug/L	137856		12/15/04 2217	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137856		12/15/04 2217	dpk
	Di-n-octyl phthalate, Low Level Water	9.4	U		2.4	9.4	1.00000	ug/L	137856		12/15/04 2217	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.063	0.38	1.00000	ug/L	137856		12/15/04 2217	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.068	0.38	1.00000	ug/L	137856		12/15/04 2217	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.079	0.38	1.00000	ug/L	137856		12/15/04 2217	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.081	0.38	1.00000	ug/L	137856		12/15/04 2217	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137856		12/15/04 2217	dpk
	Benzo(ghi)perylene, Low Level Water	0.94	U		0.18	0.94	1.00000	ug/L	137856		12/15/04 2217	dpk

* 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: LL8sw-009-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 232687-1 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	0.31	U		0.068	0.31	1.00000	ug/L	138110		12/17/04 1135	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	138110		12/17/04 1135	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	138110		12/17/04 1135	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	138110		12/17/04 1135	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	138110		12/17/04 1135	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	138110		12/17/04 1135	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	138110		12/17/04 1135	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	138110		12/17/04 1135	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	138110		12/17/04 1135	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	138110		12/17/04 1135	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	138110		12/17/04 1135	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	138110		12/17/04 1135	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	138110		12/17/04 1135	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	138110		12/17/04 1135	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 01/04/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-010-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-11
 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	137896		12/22/04 1327	kd

* 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 AOC5 ATTN: Eric Ellis

Customer Sample ID: LL8sw-010-SW Laboratory Sample ID: 232642-11
 Date Sampled.....: 12/09/2004 Date Received.....: 12/10/2004
 Time Sampled.....: 15:10 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137113		12/14/04 1049	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1209	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137522		12/17/04 0639	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/14/04 0029	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1533	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	280			24	150	1	ug/L	138130		12/27/04 1359	lmr
	Barium	24			1.3	10	1	ug/L	138130		12/27/04 1359	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1359	lmr
	Cadmium	0.30		B	0.25	2.0	1	ug/L	138130		12/27/04 1359	lmr
	Calcium	48000			9.5	100	1	ug/L	138130		12/27/04 1359	lmr
	Chromium	1.4		B	1.1	10	1	ug/L	138130		12/27/04 1359	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1359	lmr
	Copper	10		U	2.2	10	1	ug/L	138130		12/27/04 1359	lmr
	Iron	530			38	120	1	ug/L	138130		12/27/04 1359	lmr
	Magnesium	6600			8.1	100	1	ug/L	138130		12/27/04 1359	lmr
	Manganese	170			0.41	10	1	ug/L	138130		12/27/04 1359	lmr
	Nickel	10		U	1.0	10	1	ug/L	138130		12/27/04 1359	lmr
	Potassium	1300			66	500	1	ug/L	138130		12/27/04 1359	lmr

* 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: LL8sw-010-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-11
 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	15	U		3.0	15	1	ug/L	138130		12/27/04 1359	Lmr
	Silver	0.83	B		0.72	10	1	ug/L	138130		12/27/04 1359	Lmr
	Sodium	1500			490	1500	1	ug/L	138130		12/27/04 1359	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	138130		12/27/04 1359	Lmr
	Zinc	6.3	B		1.6	30	1	ug/L	138130		12/27/04 1359	Lmr

* In Description = Dry Wgt.

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Job Number: 232642 LABORATORY TEST RESULTS Date: 12/27/2004

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

Customer Sample ID: LLBsw-010-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-11
 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	Endrin	0.098	U	*	0.017	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	138023		12/15/04 2000	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	138023		12/15/04 2000	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	138023		12/15/04 2000	kdl
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	138023		12/15/04 2000	kdl
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	138023		12/15/04 2000	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	138023		12/15/04 2000	kdl

* 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 1A AOC5				ATTN: Eric Ellis			
Customer Sample ID: LL8sw-010-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 15:10 Sample Matrix.....: Water						Laboratory Sample ID: 232642-11 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
8082	PCB Analysis										
	Aroclor 1016	0.59	U	0.18	0.59	1.00000	ug/L	138063		12/16/04 1520	pjg
	Aroclor 1221	1.3	U	0.41	1.3	1.00000	ug/L	138063		12/16/04 1520	pjg
	Aroclor 1232	1.3	U	0.34	1.3	1.00000	ug/L	138063		12/16/04 1520	pjg
	Aroclor 1242	1.3	U	0.42	1.3	1.00000	ug/L	138063		12/16/04 1520	pjg
	Aroclor 1248	1.5	U	0.47	1.5	1.00000	ug/L	138063		12/16/04 1520	pjg
	Aroclor 1254	1.3	U	0.34	1.3	1.00000	ug/L	138063		12/16/04 1520	pjg
	Aroclor 1260	0.59	U	0.17	0.59	1.00000	ug/L	138063		12/16/04 1520	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-010-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-11
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI.	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 2141	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 2141	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 2141	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 2141	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 2141	jdj

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/22/2004					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis							
Customer Sample ID: LL8sw-010-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 15:10 Sample Matrix.....: Water			Laboratory Sample ID: 232642-11 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		
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	137371		12/16/04 2141	jdj		

* 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: LL8sw-010-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-11
 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
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.1	U		0.35	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	138078		12/20/04 0638	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.082	0.51	1.00000	ug/L	138078		12/20/04 0638	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	138078		12/20/04 0638	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.92	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.66	20	1.00000	ug/L	138078		12/20/04 0638	dpk
	2-Methylnaphthalene, Low Level Water	0.51	U		0.13	0.51	1.00000	ug/L	138078		12/20/04 0638	dpk
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk

* 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: LL8sw-010-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 15:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-11
 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
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	138078		12/20/04 0638	dpk
	2-Nitrophenol, Low Level Water	10	U		0.83	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	138078		12/20/04 0638	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	138078		12/20/04 0638	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.098	0.51	1.00000	ug/L	138078		12/20/04 0638	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.76	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	138078		12/20/04 0638	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Carbazole, Low Level Water	5.1	U		0.29	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.36	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	138078		12/20/04 0638	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	138078		12/20/04 0638	dpk
	Chrysene, Low Level Water	0.51	U		0.045	0.51	1.00000	ug/L	138078		12/20/04 0638	dpk

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGES				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-010-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 15:10 Sample Matrix.....: Water			Laboratory Sample ID: 232642-11 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
	3,3-Dichlorobenzidine, Low Level Water	5.1	U		0.73	5.1	1.00000	ug/L	138078		12/20/04 0638	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U	B	3.9	15	1.00000	ug/L	138078		12/20/04 0638	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	138078		12/20/04 0638	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.068	0.40	1.00000	ug/L	138078		12/20/04 0638	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.073	0.40	1.00000	ug/L	138078		12/20/04 0638	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	138078		12/20/04 0638	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.087	0.40	1.00000	ug/L	138078		12/20/04 0638	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	138078		12/20/04 0638	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	138078		12/20/04 0638	dpk

* 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 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-010-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 15:10 Sample Matrix.....: Water			Laboratory Sample ID: 232642-11 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.36	U		0.079	0.36	1.00000	ug/L	137969		12/17/04 0925	san
	RDX	0.23	U		0.075	0.23	1.00000	ug/L	137969		12/17/04 0925	san
	1,3,5-Trinitrobenzene	0.23	U		0.068	0.23	1.00000	ug/L	137969		12/17/04 0925	san
	1,3-Dinitrobenzene	0.23	U		0.064	0.23	1.00000	ug/L	137969		12/17/04 0925	san
	Nitrobenzene	0.19	U		0.051	0.19	1.00000	ug/L	137969		12/17/04 0925	san
	2,4,6-TNT	0.29	U		0.091	0.29	1.00000	ug/L	137969		12/17/04 0925	san
	Tetryl	0.91	U		0.19	0.91	1.00000	ug/L	137969		12/17/04 0925	san
	2,4-Dinitrotoluene	0.42	U		0.14	0.42	1.00000	ug/L	137969		12/17/04 0925	san
	2,6-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	137969		12/17/04 0925	san
	2-Amino-4,6-Dinitrotoluene	0.42	U		0.14	0.42	1.00000	ug/L	137969		12/17/04 0925	san
	4-Amino-2,6-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137969		12/17/04 0925	san
	2-Nitrotoluene	0.36	U		0.11	0.36	1.00000	ug/L	137969		12/17/04 0925	san
	4-Nitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0925	san
	3-Nitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0925	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232642								Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-011-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water						Laboratory Sample ID: 232642-9 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U		0.057	0.20	1	mg/L	137896		12/22/04 1326	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8SN-011-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-9
 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/14/04 0311	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1145	daj
7421	Lead (GFAA) Lead	1.5		B	0.79	3.0	1	ug/L	137522		12/17/04 0626	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/14/04 0017	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1531	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	640			24	150	1	ug/L	138130		12/27/04 1353	lmr
	Barium	31			1.3	10	1	ug/L	138130		12/27/04 1353	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1353	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1353	lmr
	Calcium	35000			9.5	100	1	ug/L	138130		12/27/04 1353	lmr
	Chromium	1.5		B	1.1	10	1	ug/L	138130		12/27/04 1353	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1353	lmr
	Copper	10		U	2.2	10	1	ug/L	138130		12/27/04 1353	lmr
	Iron	1200			38	120	1	ug/L	138130		12/27/04 1353	lmr
	Magnesium	5100			8.1	100	1	ug/L	138130		12/27/04 1353	lmr
	Manganese	280			0.41	10	1	ug/L	138130		12/27/04 1353	lmr
	Nickel	1.3		B	1.0	10	1	ug/L	138130		12/27/04 1353	lmr
	Potassium	1300			66	500	1	ug/L	138130		12/27/04 1353	lmr

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOGS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-011-SW			Laboratory Sample ID: 232642-9									
Date Sampled.....: 12/09/2004			Date Received.....: 12/10/2004									
Time Sampled.....: 14:15			Time Received.....: 10:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	138130		12/27/04 1353	Lmr
	Silver	0.94	B		0.72	10	1	ug/L	138130		12/27/04 1353	Lmr
	Sodium	1200	B		490	1500	1	ug/L	138130		12/27/04 1353	Lmr
	Vanadium	1.4	B		1.0	10	1	ug/L	138130		12/27/04 1353	Lmr
	Zinc	18	B		1.6	30	1	ug/L	138130		12/27/04 1353	Lmr

* 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: LL8sw-011-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-9
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NEL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	Endrin	0.099	U	*	0.017	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	138023		12/15/04 1935	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	138023		12/15/04 1935	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	138023		12/15/04 1935	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	138023		12/15/04 1935	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	138023		12/15/04 1935	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	138023		12/15/04 1935	kdl

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: HKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: ERIC ELLIS						
Customer Sample ID: LL8sw-011-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232642-9 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
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	138063		12/16/04 1456	pjg
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	138063		12/16/04 1456	pjg
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	138063		12/16/04 1456	pjg
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	138063		12/16/04 1456	pjg
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	138063		12/16/04 1456	pjg
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	138063		12/16/04 1456	pjg
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	138063		12/16/04 1456	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AUGS

ATTN: Eric Eltys

Customer Sample ID: LL8sw-011-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-9
 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 2117	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 2117	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 2117	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 2117	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 2117	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: KIM Engineers, Inc.

PROJECT: USACE IVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-011-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-9
 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 2117	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-011-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-9
 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
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	138078		12/20/04 0616	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.08†	0.50	1.00000	ug/L	138078		12/20/04 0616	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	138078		12/20/04 0616	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	138078		12/20/04 0616	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	138078		12/20/04 0616	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk

* 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: LL8sw-011-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-9
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10		U	2.4	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50		U	0.11	0.50	1.00000	ug/L	138078		12/20/04 0616	dpk
	2-Nitrophenol, Low Level Water	10		U	0.82	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	3-Nitroaniline, Low Level Water	10		U	2.1	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	Dimethyl phthalate, Low Level Water	2.0		U	0.21	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,4-Dinitrophenol, Low Level Water	20		U	3.3	20	1.00000	ug/L	138078		12/20/04 0616	dpk
	Acenaphthylene, Low Level Water	1.0		U	0.12	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0		U	0.13	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Acenaphthene, Low Level Water	1.0		U	0.12	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Dibenzofuran, Low Level Water	2.0		U	0.13	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	4-Nitrophenol, Low Level Water	20		U	3.7	20	1.00000	ug/L	138078		12/20/04 0616	dpk
	Fluorene, Low Level Water	1.0		U	0.13	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	4-Nitroaniline, Low Level Water	10		U	2.3	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0		U	0.19	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Hexachlorobenzene, Low Level Water	0.50		U	0.097	0.50	1.00000	ug/L	138078		12/20/04 0616	dpk
	Diethyl phthalate, Low Level Water	2.0		U	0.15	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0		U	0.75	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Pentachlorophenol, Low Level Water	10		U	1.7	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0		U	0.13	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20		U	2.4	20	1.00000	ug/L	138078		12/20/04 0616	dpk
	Phenanthrene, Low Level Water	1.0		U	0.14	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Anthracene, Low Level Water	1.0		U	0.15	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Carbazole, Low Level Water	5.0		U	0.29	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Di-n-butyl phthalate, Low Level Water	5.0		U	0.36	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Fluoranthene, Low Level Water	1.0		U	0.14	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Pyrene, Low Level Water	1.0		U	0.12	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Butyl benzyl phthalate, Low Level Water	2.0		U	0.39	2.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Benzo(a)anthracene, Low Level Water	0.20		U	0.049	0.20	1.00000	ug/L	138078		12/20/04 0616	dpk
	Chrysene, Low Level Water	0.50		U	0.045	0.50	1.00000	ug/L	138078		12/20/04 0616	dpk

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AGDS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-011-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232642-9 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
	3,3-Dichlorobenzidine, Low Level Water	5.0		U	0.72	5.0	1.00000	ug/L	138078		12/20/04 0616	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15		U B	3.9	15	1.00000	ug/L	138078		12/20/04 0616	dpk
	Di-n-octyl phthalate, Low Level Water	10		U	2.5	10	1.00000	ug/L	138078		12/20/04 0616	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40		U	0.067	0.40	1.00000	ug/L	138078		12/20/04 0616	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40		U	0.072	0.40	1.00000	ug/L	138078		12/20/04 0616	dpk
	Benzo(a)pyrene, Low Level Water	0.40		U	0.084	0.40	1.00000	ug/L	138078		12/20/04 0616	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40		U	0.086	0.40	1.00000	ug/L	138078		12/20/04 0616	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40		U	0.13	0.40	1.00000	ug/L	138078		12/20/04 0616	dpk
	Benzo(ghi)perylene, Low Level Water	1.0		U	0.19	1.0	1.00000	ug/L	138078		12/20/04 0616	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USAGE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-011-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232642-9 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	0.37	U		0.080	0.37	1.00000	ug/L	137969		12/17/04 0853	san
	RDX	0.24	U		0.076	0.24	1.00000	ug/L	137969		12/17/04 0853	san
	1,3,5-Trinitrobenzene	0.24	U		0.069	0.24	1.00000	ug/L	137969		12/17/04 0853	san
	1,3-Dinitrobenzene	0.24	U		0.065	0.24	1.00000	ug/L	137969		12/17/04 0853	san
	Nitrobenzene	0.19	U		0.052	0.19	1.00000	ug/L	137969		12/17/04 0853	san
	2,4,6-TNT	0.30	U		0.092	0.30	1.00000	ug/L	137969		12/17/04 0853	san
	Tetryl	0.92	U		0.19	0.92	1.00000	ug/L	137969		12/17/04 0853	san
	2,4-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137969		12/17/04 0853	san
	2,6-Dinitrotoluene	0.51	U		0.17	0.51	1.00000	ug/L	137969		12/17/04 0853	san
	2-Amino-4,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137969		12/17/04 0853	san
	4-Amino-2,6-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137969		12/17/04 0853	san
	2-Nitrotoluene	0.37	U		0.11	0.37	1.00000	ug/L	137969		12/17/04 0853	san
4-Nitrotoluene	0.37	U		0.12	0.37	1.00000	ug/L	137969		12/17/04 0853	san	
3-Nitrotoluene	0.37	U		0.12	0.37	1.00000	ug/L	137969		12/17/04 0853	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.2	U		0.18	1.2	1.00000	ug/L	137990		12/21/04 0625	san	

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS					Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellits					
Customer Sample ID: LL8sw-012-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 231793-15 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U	0.057	0.20	1	mg/L	135258		11/23/04 1004	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231793								Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RYAAP 14 AGDS				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-012-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water						Laboratory Sample ID: 231793-15 Date Received.....: 11/09/2004 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	134574		11/16/04 1509	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	134614		11/15/04 1320	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	134350		11/13/04 0450	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	134456		11/16/04 0323	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134946		11/19/04 1628	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	68	B		24	150	1	ug/L	134566		11/16/04 2117	tds
	Barium	27	U		1.5	10	1	ug/L	134566		11/16/04 2117	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	134566		11/16/04 2117	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	134566		11/16/04 2117	tds
	Calcium	47000	U		24	100	1	ug/L	134566		11/16/04 2117	tds
	Chromium	10	U		1.5	10	1	ug/L	134566		11/16/04 2117	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	134566		11/16/04 2117	tds
	Copper	10	U		1.6	10	1	ug/L	134566		11/16/04 2117	tds
	Iron	360	U		40	120	1	ug/L	134566		11/16/04 2117	tds
	Magnesium	5200	U		12	100	1	ug/L	134566		11/16/04 2117	tds
	Manganese	66	U		0.71	10	1	ug/L	134566		11/16/04 2117	tds
	Nickel	10	U		1.9	10	1	ug/L	134566		11/16/04 2117	tds
	Potassium	2100	U		110	500	1	ug/L	134566		11/16/04 2117	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS					Date: 11/24/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RMAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-012-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 231793-15 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	15	U		5.0	15	1	ug/L	134566		11/16/04 2117	tds
	Silver	10	U		3.1	10	1	ug/L	134566		11/16/04 2117	tds
	Sodium	1200	B		500	1500	1	ug/L	134566		11/16/04 2117	tds
	Vanadium	10	U		2.1	10	1	ug/L	134566		11/16/04 2117	tds
	Zinc	30	U		10	30	1	ug/L	134566		11/16/04 2117	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-012-SW			Laboratory Sample ID: 231793-15									
Date Sampled.....: 11/08/2004			Date Received.....: 11/09/2004									
Time Sampled.....: 09:15			Time Received.....: 09:45									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	135979		11/16/04 0322	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	135979		11/16/04 0322	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	135979		11/16/04 0322	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	135979		11/16/04 0322	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	135979		11/16/04 0322	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	135979		11/16/04 0322	kdl

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: MKR Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: ERIC ELLIS					
Customer Sample ID: LL8sw-012-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 231793-15 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
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	135575		11/19/04 1926	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	135575		11/19/04 1926	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	135575		11/19/04 1926	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	135575		11/19/04 1926	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	135575		11/19/04 1926	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	135575		11/19/04 1926	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	135575		11/19/04 1926	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellits

Customer Sample ID: LL8sw-012-SW
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-15
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DYLUFTON	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134097		11/12/04 0531	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134097		11/12/04 0531	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134097		11/12/04 0531	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134097		11/12/04 0531	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0531	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134097		11/12/04 0531	jdj

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 54 AGDS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-012-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 231793-15 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0531	jdh

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Elitz

Customer Sample ID: LL8sw-012-SW
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-15
 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
8270C	Semivolatle Organics										
	Phenol, Low Level Water	5.0	U	0.35	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U	0.30	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	1,3-Dichlorobenzene, Low Level Water	2.0	U	0.43	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	1,4-Dichlorobenzene, Low Level Water	2.0	U	0.33	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	1,2-Dichlorobenzene, Low Level Water	2.0	U	0.35	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Benzyl alcohol, Low Level Water	20	U	2.2	20	1.00000	ug/L	135729		11/26/04 1947	glr
	2-Methylphenol (o-cresol), Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U *	0.28	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U	0.080	0.50	1.00000	ug/L	135729		11/26/04 1947	glr
	Hexachloroethane, Low Level Water	5.0	U	0.60	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U	0.099	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	2-Chlorophenol, Low Level Water	5.0	U	0.12	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Nitrobenzene, Low Level Water	0.99	U	0.16	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U	0.31	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U	0.34	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Benzoic acid, Low Level Water	20	U	3.0	20	1.00000	ug/L	135729		11/26/04 1947	glr
	Isophorone, Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	2,4-Dimethylphenol, Low Level Water	9.9	U	1.3	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	Hexachlorobutadiene, Low Level Water	5.0	U	0.63	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Naphthalene, Low Level Water	0.99	U	0.16	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	2,4-Dichlorophenol, Low Level Water	9.9	U	0.90	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	4-Chloroaniline, Low Level Water	9.9	U	2.8	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	2,4,6-Trichlorophenol, Low Level Water	5.0	U	0.21	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	2,4,5-Trichlorophenol, Low Level Water	9.9	U	1.4	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	Hexachlorocyclopentadiene, Low Level Water	20	U *	0.64	20	1.00000	ug/L	135729		11/26/04 1947	glr
	2-Methylnaphthalene, Low Level Water	0.50	U	0.13	0.50	1.00000	ug/L	135729		11/26/04 1947	glr
	2-Nitroaniline, Low Level Water	5.0	U	0.22	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	2-Chloronaphthalene, Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	135729		11/26/04 1947	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVNAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-012-SW
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-15
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.9	U		2.4	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	135729		11/26/04 1947	glr
	2-Nitrophenol, Low Level Water	9.9	U		0.81	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	3-Nitroaniline, Low Level Water	9.9	U		2.1	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	135729		11/26/04 1947	glr
	Acenaphthylene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	2,4-Dinitrotoluene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	Acenaphthene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	135729		11/26/04 1947	glr
	Fluorene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	4-Nitroaniline, Low Level Water	9.9	U		2.3	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Hexachlorobenzene, Low Level Water	0.50	U		0.096	0.50	1.00000	ug/L	135729		11/26/04 1947	glr
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.74	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Pentachlorophenol, Low Level Water	9.9	U		1.7	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	n-Nitrosodiphenylamine, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	135729		11/26/04 1947	glr
	Phenanthrene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	Anthracene, Low Level Water	0.99	U		0.15	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Fluoranthene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	Pyrene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	135729		11/26/04 1947	glr
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	135729		11/26/04 1947	glr
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	135729		11/26/04 1947	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793 Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOC5 ATTN: Eric Ellis

Customer Sample ID: LL8sw-012-SW
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 09:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-15
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.71	5.0	1.00000	ug/L	135729		11/26/04 1947	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	135729		11/26/04 1947	glr
	Di-n-octyl phthalate, Low Level Water	9.9	U		2.5	9.9	1.00000	ug/L	135729		11/26/04 1947	glr
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.066	0.40	1.00000	ug/L	135729		11/26/04 1947	glr
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.071	0.40	1.00000	ug/L	135729		11/26/04 1947	glr
	Benzo(a)pyrene, Low Level Water	0.40	U		0.083	0.40	1.00000	ug/L	135729		11/26/04 1947	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	135729		11/26/04 1947	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	135729		11/26/04 1947	glr
	Benzo(ghi)perylene, Low Level Water	0.99	U		0.19	0.99	1.00000	ug/L	135729		11/26/04 1947	glr

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-012-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water			Laboratory Sample ID: 231793-15 Date Received.....: 11/09/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	135154		11/13/04 1438	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	135154		11/13/04 1438	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	135154		11/13/04 1438	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	135154		11/13/04 1438	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	135154		11/13/04 1438	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	135154		11/13/04 1438	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	135154		11/13/04 1438	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	135154		11/13/04 1438	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	135154		11/13/04 1438	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	135154		11/13/04 1438	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	135154		11/13/04 1438	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	135154		11/13/04 1438	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	135154		11/13/04 1438	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	135154		11/13/04 1438	san

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS					Date: 12/01/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-013-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-14 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	2200			110	400	2000	mg/L	135258		11/23/04 1003	kd

* 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 AOCs				ATTN: Eric Ellits					
Customer Sample ID: LL8sw-013-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-14 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	134574		11/16/04 1459	daj
7060A	Arsenic (GFAA) Arsenic	1.2		B	0.51	2.0	1	ug/L	134614		11/15/04 1309	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	134350		11/13/04 0438	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	134456		11/16/04 0310	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	134946		11/19/04 1625	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	990			24	150	1	ug/L	134566		11/16/04 2110	tds
	Barium	26			1.5	10	1	ug/L	134566		11/16/04 2110	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	134566		11/16/04 2110	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	134566		11/16/04 2110	tds
	Calcium	43000			24	100	1	ug/L	134566		11/16/04 2110	tds
	Chromium	2.2		B	1.5	10	1	ug/L	134566		11/16/04 2110	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	134566		11/16/04 2110	tds
	Copper	2.1		B	1.6	10	1	ug/L	134566		11/16/04 2110	tds
	Iron	1500			40	120	1	ug/L	134566		11/16/04 2110	tds
	Magnesium	6400			12	100	1	ug/L	134566		11/16/04 2110	tds
	Manganese	350			0.71	10	1	ug/L	134566		11/16/04 2110	tds
	Nickel	10		U	1.9	10	1	ug/L	134566		11/16/04 2110	tds
	Potassium	2500			110	500	1	ug/L	134566		11/16/04 2110	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGES				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-013-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-14 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	15	U	5.0	15	1	ug/L	134566		11/16/04 2110	tds	
	Silver	10	U	3.1	10	1	ug/L	134566		11/16/04 2110	tds	
	Sodium	1700		500	1500	1	ug/L	134566		11/16/04 2110	tds	
	Vanadium	10	U	2.1	10	1	ug/L	134566		11/16/04 2110	tds	
	Zinc	12	B	10	30	1	ug/L	134566		11/16/04 2110	tds	

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-013-SW Date Sampled: 11/08/2004 Time Sampled: 10:00 Sample Matrix: Water			Laboratory Sample ID: 231793-14 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	135979		11/16/04 0257	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	135979		11/16/04 0257	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	135979		11/16/04 0257	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	135979		11/16/04 0257	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	135979		11/16/04 0257	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	135979		11/16/04 0257	kdl

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVRAP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-013-SW			Laboratory Sample ID: 231793-14									
Date Sampled: 11/08/2004			Date Received: 11/09/2004									
Time Sampled: 10:00			Time Received: 09:45									
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57	U		0.17	0.57	1.00000	ug/L	135575		11/19/04 1850	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	135575		11/19/04 1850	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	135575		11/19/04 1850	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	135575		11/19/04 1850	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	135575		11/19/04 1850	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	135575		11/19/04 1850	bjt
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	135575		11/19/04 1850	bjt

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231793

Date: 11/18/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-013-SW
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-14
 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
82608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134097		11/12/04 0508	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134097		11/12/04 0508	jdj
	trans-1,2-Dichloroethane	1.0	U		0.14	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	cis-1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134097		11/12/04 0508	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Trichloroethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134097		11/12/04 0508	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134097		11/12/04 0508	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP T4 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-013-SW
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-14
 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0508	jdj

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVMAP 14 AOC5			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-013-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-14 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
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	135729		11/26/04 1920	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U	*	0.27	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	135729		11/26/04 1920	glr
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	135729		11/26/04 1920	glr
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.63	19	1.00000	ug/L	135729		11/26/04 1920	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	135729		11/26/04 1920	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	135729		11/26/04 1920	glr

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS							Date: 12/06/2004			
CUSTOMER: HKM Engineers, Inc.				PROJECT: USACE RVAAP TA ADCS				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-013-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water				Laboratory Sample ID: 231793-14 Date Received.....: 11/09/2004 Time Received.....: 09:45								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	135729		11/26/04 1920	glr
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	135729		11/26/04 1920	glr
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	135729		11/26/04 1920	glr
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	135729		11/26/04 1920	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	135729		11/26/04 1920	glr
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	135729		11/26/04 1920	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	135729		11/26/04 1920	glr
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	135729		11/26/04 1920	glr

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOGS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-013-SW Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-14 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
	3,3-Dichlorobenzidine, Low Level Water	4.9		U	0.70	4.9	1.00000	ug/L	135729		11/26/04 1920	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15		U	3.8	15	1.00000	ug/L	135729		11/26/04 1920	glr
	Di-n-octyl phthalate, Low Level Water	9.7		U	2.4	9.7	1.00000	ug/L	135729		11/26/04 1920	glr
	Benzo(b)fluoranthene, Low Level Water	0.39		U	0.065	0.39	1.00000	ug/L	135729		11/26/04 1920	glr
	Benzo(k)fluoranthene, Low Level Water	0.39		U	0.070	0.39	1.00000	ug/L	135729		11/26/04 1920	glr
	Benzo(a)pyrene, Low Level Water	0.39		U	0.082	0.39	1.00000	ug/L	135729		11/26/04 1920	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39		U	0.083	0.39	1.00000	ug/L	135729		11/26/04 1920	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39		U	0.13	0.39	1.00000	ug/L	135729		11/26/04 1920	glr
	Benzo(ghi)perylene, Low Level Water	0.97		U	0.18	0.97	1.00000	ug/L	135729		11/26/04 1920	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793 Date: 11/23/2004

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

Customer Sample ID: LL8sw-013-SW
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-14
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.41	U		0.091	0.41	1.00000	ug/L	135154		11/13/04 1405	san
	RDX	0.27	U		0.085	0.27	1.00000	ug/L	135154		11/13/04 1405	san
	1,3,5-Trinitrobenzene	0.27	U		0.077	0.27	1.00000	ug/L	135154		11/13/04 1405	san
	1,3-Dinitrobenzene	0.27	U		0.073	0.27	1.00000	ug/L	135154		11/13/04 1405	san
	Nitrobenzene	0.21	U		0.059	0.21	1.00000	ug/L	135154		11/13/04 1405	san
	2,4,6-TNT	0.33	U		0.10	0.33	1.00000	ug/L	135154		11/13/04 1405	san
	Tetryl	1.0	U		0.22	1.0	1.00000	ug/L	135154		11/13/04 1405	san
	2,4-Dinitrotoluene	0.48	U		0.16	0.48	1.00000	ug/L	135154		11/13/04 1405	san
	2,6-Dinitrotoluene	0.57	U		0.19	0.57	1.00000	ug/L	135154		11/13/04 1405	san
	2-Amino-4,6-Dinitrotoluene	0.48	U		0.16	0.48	1.00000	ug/L	135154		11/13/04 1405	san
	4-Amino-2,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	135154		11/13/04 1405	san
	2-Nitrotoluene	0.41	U		0.12	0.41	1.00000	ug/L	135154		11/13/04 1405	san
	4-Nitrotoluene	0.41	U		0.13	0.41	1.00000	ug/L	135154		11/13/04 1405	san
	3-Nitrotoluene	0.41	U		0.13	0.41	1.00000	ug/L	135154		11/13/04 1405	san

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS					Date: 12/01/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: LLBsw-013-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-16 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	135258		11/23/04 1008	kd

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVARP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-D13-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-16 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
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	134574		11/16/04 1519	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	134614		11/15/04 1343	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	134350		11/13/04 0502	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	134456		11/16/04 0349	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134946		11/19/04 1635	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	470			24	150	1	ug/L	134566		11/16/04 2144	tds
	Barium	22			1.5	10	1	ug/L	134566		11/16/04 2144	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	134566		11/16/04 2144	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	134566		11/16/04 2144	tds
	Calcium	41000			24	100	1	ug/L	134566		11/16/04 2144	tds
	Chromium	10	U		1.5	10	1	ug/L	134566		11/16/04 2144	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	134566		11/16/04 2144	tds
	Copper	10	U		1.6	10	1	ug/L	134566		11/16/04 2144	tds
	Iron	660			40	120	1	ug/L	134566		11/16/04 2144	tds
	Magnesium	6200			12	100	1	ug/L	134566		11/16/04 2144	tds
	Manganese	160			0.71	10	1	ug/L	134566		11/16/04 2144	tds
	Nickel	10	U		1.9	10	1	ug/L	134566		11/16/04 2144	tds
	Potassium	2300			110	500	1	ug/L	134566		11/16/04 2144	tds

* 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 ADCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-013-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-16 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	15	U		5.0	15	1	ug/L	134566		11/16/04 2144	tds
	Silver	10	U		3.1	10	1	ug/L	134566		11/16/04 2144	tds
	Sodium	1600			500	1500	1	ug/L	134566		11/16/04 2144	tds
	Vanadium	10	U		2.1	10	1	ug/L	134566		11/16/04 2144	tds
	Zinc	30	U		10	30	1	ug/L	134566		11/16/04 2144	tds

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-013-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-16 Date Received.....: 11/09/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	OT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.044	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	beta-BHC	0.093	U		0.026	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	delta-BHC	0.093	U		0.023	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	gamma-BHC (Lindane)	0.14	U		0.039	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	Heptachlor	0.14	U		0.038	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	Aldrin	0.093	U		0.026	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	Endosulfan I	0.093	U		0.020	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	Dieldrin	0.093	U		0.017	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	4,4'-DDE	0.093	U		0.021	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	Endrin	0.093	U		0.016	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	Endosulfan II	0.14	U		0.039	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	135979		11/16/04 0348	kdl
	Endosulfan sulfate	0.14	U		0.041	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	Methoxychlor	0.56	U		0.16	0.56	1.00000	ug/L	135979		11/16/04 0348	kdl
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	135979		11/16/04 0348	kdl
	gamma-Chlordane	0.093	U		0.016	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	135979		11/16/04 0348	kdl
	Endrin ketone	0.093	U		0.027	0.093	1.00000	ug/L	135979		11/16/04 0348	kdl
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	135979		11/16/04 0348	kdl

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/01/2004				
CUSTOMER: HKN Engineers, Inc.			PROJECT: USACE RVAMP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-013-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-16 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
8082	PCB Analysis											
	Aroclor 1016	0.56		U	0.17	0.56	1.00000	ug/L	135575		11/19/04 2001	bjt
	Aroclor 1221	1.2		U	0.39	1.2	1.00000	ug/L	135575		11/19/04 2001	bjt
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	135575		11/19/04 2001	bjt
	Aroclor 1242	1.2		U	0.40	1.2	1.00000	ug/L	135575		11/19/04 2001	bjt
	Aroclor 1248	1.4		U	0.45	1.4	1.00000	ug/L	135575		11/19/04 2001	bjt
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	135575		11/19/04 2001	bjt
	Aroclor 1260	0.56		U	0.16	0.56	1.00000	ug/L	135575		11/19/04 2001	bjt

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADES			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-013-DUP			Laboratory Sample ID: 231793-16									
Date Sampled.....: 11/08/2004			Date Received.....: 11/09/2004									
Time Sampled.....: 10:00			Time Received.....: 09:45									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8260B	Volatile Organics											
	Chloromethane	1.0	U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Vinyl chloride	1.0	U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Bromomethane	1.0	U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Chloroethane	1.0	U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	1,1-Dichloroethane	1.0	U	0.12	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Carbon disulfide	5.0	U	0.20	5.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Acetone	10	U	1.8	10	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Methylene chloride	1.5	U	0.35	1.5	1.00000	ug/L	134097		11/12/04 0555	jdj	
	trans-1,2-Dichloroethane	1.0	U	0.14	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	1,1-Dichloroethane	1.0	U	0.11	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	cis-1,2-Dichloroethane	1.0	U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	2-Butanone (MEK)	10	U	1.2	10	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Bromochloromethane	1.0	U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Chloroform	1.0	U	0.11	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	1,1,1-Trichloroethane	1.0	U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Carbon tetrachloride	1.0	U	0.13	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Benzene	1.0	U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	1,2-Dichloroethane	1.0	U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Trichloroethane	1.0	U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	1,2-Dichloropropane	1.0	U	0.12	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Bromodichloromethane	1.0	U	0.11	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	cis-1,3-Dichloropropane	1.0	U	0.12	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	4-Methyl-2-pentanone (MIBK)	10	U	0.65	10	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Toluene	1.0	U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	trans-1,3-Dichloropropane	1.0	U	0.15	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	1,1,2-Trichloroethane	1.0	U	0.15	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj	
	2-Hexanone	10	U	0.53	10	1.00000	ug/L	134097		11/12/04 0555	jdj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793

Date: 11/18/2004

CUSTOMER: MGN Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-013-DUP
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-16
 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0555	jdj

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis						
Customer Sample ID: LLBSW-013-DUP		Laboratory Sample ID: 231793-16		Date Sampled: 11/08/2004		Date Received: 11/09/2004		Time Sampled: 10:00		Time Received: 09:45		
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	135729		11/26/04 2014	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U	*	0.27	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	135729		11/26/04 2014	glr
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	135729		11/26/04 2014	glr
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.63	19	1.00000	ug/L	135729		11/26/04 2014	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	135729		11/26/04 2014	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	135729		11/26/04 2014	glr

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			APTN: Eric Ellis						
Customer Sample ID: LL8sw-013-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-16 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
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	135729		11/26/04 2014	glr
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	135729		11/26/04 2014	glr
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	135729		11/26/04 2014	glr
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	135729		11/26/04 2014	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	135729		11/26/04 2014	glr
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	135729		11/26/04 2014	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	135729		11/26/04 2014	glr
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	135729		11/26/04 2014	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231793 Date: 12/06/2004

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

Customer Sample ID: LL8sw-013-DUP
 Date Sampled.....: 11/08/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 231793-16
 Date Received.....: 11/09/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U	0.70	4.9	1.00000	ug/L	135729		11/26/04 2014	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U	3.8	15	1.00000	ug/L	135729		11/26/04 2014	glr
	Di-n-octyl phthalate, Low Level Water	9.7	U	2.4	9.7	1.00000	ug/L	135729		11/26/04 2014	glr
	Benzo(b)fluoranthene, Low Level Water	0.39	U	0.065	0.39	1.00000	ug/L	135729		11/26/04 2014	glr
	Benzo(k)fluoranthene, Low Level Water	0.39	U	0.070	0.39	1.00000	ug/L	135729		11/26/04 2014	glr
	Benzo(a)pyrene, Low Level Water	0.39	U	0.082	0.39	1.00000	ug/L	135729		11/26/04 2014	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U	0.083	0.39	1.00000	ug/L	135729		11/26/04 2014	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U	0.13	0.39	1.00000	ug/L	135729		11/26/04 2014	glr
	Benzo(ghi)perylene, Low Level Water	0.97	U	0.18	0.97	1.00000	ug/L	135729		11/26/04 2014	glr

* In Description = Dry Wgt.

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Job Number: 231793		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACOS				ATTN: ERIC ELLIS					
Customer Sample ID: LL8sw-013-DUP Date Sampled.....: 11/08/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 231793-16 Date Received.....: 11/09/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.32	U		0.070	0.32	1.00000	ug/L	135154		11/13/04 1511	san
	RDX	0.21	U		0.066	0.21	1.00000	ug/L	135154		11/13/04 1511	san
	1,3,5-Trinitrobenzene	0.21	U		0.060	0.21	1.00000	ug/L	135154		11/13/04 1511	san
	1,3-Dinitrobenzene	0.21	U		0.057	0.21	1.00000	ug/L	135154		11/13/04 1511	san
	Nitrobenzene	0.17	U		0.045	0.17	1.00000	ug/L	135154		11/13/04 1511	san
	2,4,6-TNT	0.26	U		0.081	0.26	1.00000	ug/L	135154		11/13/04 1511	san
	Tetryl	0.81	U		0.17	0.81	1.00000	ug/L	135154		11/13/04 1511	san
	2,4-Dinitrotoluene	0.37	U		0.13	0.37	1.00000	ug/L	135154		11/13/04 1511	san
	2,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	135154		11/13/04 1511	san
	2-Amino-4,6-Dinitrotoluene	0.37	U		0.12	0.37	1.00000	ug/L	135154		11/13/04 1511	san
	4-Amino-2,6-Dinitrotoluene	0.34	U		0.12	0.34	1.00000	ug/L	135154		11/13/04 1511	san
	2-Nitrotoluene	0.32	U		0.096	0.32	1.00000	ug/L	135154		11/13/04 1511	san
	4-Nitrotoluene	0.32	U		0.10	0.32	1.00000	ug/L	135154		11/13/04 1511	san
	3-Nitrotoluene	0.32	U		0.10	0.32	1.00000	ug/L	135154		11/13/04 1511	san

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: HKH Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-014-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 15:15 Sample Matrix.....: Water			Laboratory Sample ID: 231657-6 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	C	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.060	B		0.057	0.20	1	mg/L	134627		11/17/04 1239	kd

* 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 Ellis				
Customer Sample ID: LL8sw-014-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 15:15 Sample Matrix.....: Water						Laboratory Sample ID: 231657-6 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
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133763		11/09/04 2242	daj
7060A	Arsenic (GFAA) Arsenic	3.2			0.51	2.0	1	ug/L	134121		11/12/04 0001	daj
7421	Lead (GFAA) Lead	1.3		B	0.79	3.0	1	ug/L	134350		11/12/04 2342	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	134082		11/11/04 0413	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	134293		11/12/04 1410	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	800			24	150	1	ug/L	134280		11/13/04 1207	tds
	Barium	64			1.5	10	1	ug/L	134280		11/13/04 1207	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	134280		11/13/04 1207	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	134280		11/13/04 1207	tds
	Calcium	31000			24	100	1	ug/L	134280		11/13/04 1207	tds
	Chromium	1.7		B	1.5	10	1	ug/L	134280		11/13/04 1207	tds
	Cobalt	1.3		B	1.0	5.0	1	ug/L	134280		11/13/04 1207	tds
	Copper	10		U	1.6	10	1	ug/L	134280		11/13/04 1207	tds
	Iron	8500			40	120	1	ug/L	134280		11/13/04 1207	tds
	Magnesium	6500			12	100	1	ug/L	134280		11/13/04 1207	tds
	Manganese	2100			0.71	10	1	ug/L	134280		11/13/04 1207	tds
	Nickel	10		U	1.9	10	1	ug/L	134280		11/13/04 1207	tds
	Potassium	6900			110	500	1	ug/L	134280		11/13/04 1207	tds

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: HGN Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-014-SW			Laboratory Sample ID: 231657-6									
Date Sampled.....: 11/02/2004			Date Received.....: 11/04/2004									
Time Sampled.....: 15:15			Time Received.....: 09:10									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	134280		11/13/04 1207	tds
	Silver	10	U		3.1	10	1	ug/L	134280		11/13/04 1207	tds
	Sodium	1300	B		500	1500	1	ug/L	134280		11/13/04 1207	tds
	Vanadium	10	U		2.1	10	1	ug/L	134280		11/13/04 1207	tds
	Zinc	12	B		10	30	1	ug/L	134280		11/13/04 1207	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 AOCs				ATTN: Eric Ellis			
Customer Sample ID: LL8sw-014-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 15:15 Sample Matrix.....: Water						Laboratory Sample ID: 231657-6 Date Received.....: 11/04/2004 Time Received.....: 09:10					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DETECTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC	0.14	U	0.045	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	beta-BHC	0.095	U	0.027	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	delta-BHC	0.095	U	0.024	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	gamma-BHC (Lindane)	0.14	U	0.040	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	Heptachlor	0.14	U	0.039	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	Aldrin	0.095	U	0.027	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	Heptachlor epoxide	0.14	U	0.034	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	Endosulfan I	0.095	U	0.020	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	Dieldrin	0.095	U	0.017	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	4,4'-DDE	0.095	U	0.022	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	Endrin	0.095	U	0.016	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	Endosulfan II	0.14	U	0.040	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	4,4'-DDD	0.10	U	0.034	0.10	1.00000	ug/L	135511		11/09/04 0047	pjg
	Endosulfan sulfate	0.14	U	0.042	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	4,4'-DDT	0.14	U	0.047	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	Methoxychlor	0.57	U	0.16	0.57	1.00000	ug/L	135511		11/09/04 0047	pjg
	alpha-Chlordane	0.048	U	0.015	0.048	1.00000	ug/L	135511		11/09/04 0047	pjg
	gamma-Chlordane	0.095	U	0.016	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	Endrin aldehyde	0.14	U	0.033	0.14	1.00000	ug/L	135511		11/09/04 0047	pjg
	Endrin ketone	0.095	U	0.028	0.095	1.00000	ug/L	135511		11/09/04 0047	pjg
	Toxaphene	0.48	U	0.13	0.48	1.00000	ug/L	135511		11/09/04 0047	pjg

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc			PROJECT: USAGE RYAAP 14 ADDS				ATTN: Eric ELITE					
Customer Sample ID: LL8sw-014-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 15:15 Sample Matrix.....: Water			Laboratory Sample ID: 231657-6 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	0.57	U		0.17	0.57	1.00000	ug/L	135436		11/10/04 0455	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	135436		11/10/04 0455	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	135436		11/10/04 0455	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	135436		11/10/04 0455	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	135436		11/10/04 0455	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	135436		11/10/04 0455	bjt
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	135436		11/10/04 0455	bjt

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS					Date: 11/18/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-014-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 15:15 Sample Matrix.....: Water			Laboratory Sample ID: 231657-6 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
82608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Acetone	7.7	U	H	1.8	10	1.00000	ug/L	134097		11/12/04 0010	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134097		11/12/04 0010	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	2-Butanone (NEK)	10	U		1.2	10	1.00000	ug/L	134097		11/12/04 0010	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134097		11/12/04 0010	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134097		11/12/04 0010	jdj

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS					Date: 11/18/2004					
CUSTOMER: H&M Engineers, Inc.			PROJECT: USACE RVAAP T4 ADCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-014-SW			Laboratory Sample ID: 231657-6									
Date Sampled.....: 11/02/2004			Date Received.....: 11/04/2004									
Time Sampled.....: 15:15			Time Received.....: 09:10									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0010	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0010	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 RMAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-014-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-6
 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
B270C	Semivolatile Organics	6.3			0.34	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Phenol, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	1,2-Dichlorobenzene, Low Level Water	6.4	J		2.1	19	1.00000	ug/L	134790		11/18/04 1549	dpk
	Benzyl alcohol, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	0.48	U		0.078	0.48	1.00000	ug/L	134790		11/18/04 1549	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	4.8	U		0.59	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.096	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	4.8	U		0.12	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	2-Chlorophenol, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Nitrobenzene, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	1,2,4-Trichlorobenzene, Low Level Water	22	U		2.9	19	1.00000	ug/L	134790		11/18/04 1549	dpk
	Benzoic acid, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	Isophorone, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,4-Dimethylphenol, Low Level Water	4.8	U		0.62	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Hexachlorobutadiene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Naphthalene, Low Level Water	9.6	U		0.87	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		2.7	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	4-Chloroaniline, Low Level Water	0.31	J		0.20	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,4,6-Trichlorophenol, Low Level Water	9.6	U		1.3	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,4,5-Trichlorophenol, Low Level Water	19	U	*	0.62	19	1.00000	ug/L	134790		11/18/04 1549	dpk
	Hexachlorocyclopentadiene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	134790		11/18/04 1549	dpk
	2-Methylnaphthalene, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	2-Nitroaniline, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	2-Chloronaphthalene, Low Level Water											

* 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: LL8sw-D14-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-6
 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, Low Level Water	9.6	U		2.3	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	134790		11/18/04 1549	dpk
	2-Nitrophenol, Low Level Water	9.6	U		0.79	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	3-Nitroaniline, Low Level Water	9.6	U		2.0	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,4-Dinitrophenol, Low Level Water	19	U	*	3.2	19	1.00000	ug/L	134790		11/18/04 1549	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Acenaphthene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	134790		11/18/04 1549	dpk
	Fluorene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	4-Nitroaniline, Low Level Water	9.6	U	*	2.2	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.093	0.48	1.00000	ug/L	134790		11/18/04 1549	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.72	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.6	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	134790		11/18/04 1549	dpk
	Phenanthrene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Anthracene, Low Level Water	0.96	U		0.14	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.35	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Fluoranthene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Pyrene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	134790		11/18/04 1549	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	134790		11/18/04 1549	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	134790		11/18/04 1549	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/19/2004

Job Number: 231657

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-014-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-6
 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, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	134790		11/18/04 1549	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	134790		11/18/04 1549	dpk
	Di-n-octyl phthalate, Low Level Water	9.6	U	*	2.4	9.6	1.00000	ug/L	134790		11/18/04 1549	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	134790		11/18/04 1549	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	134790		11/18/04 1549	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.081	0.38	1.00000	ug/L	134790		11/18/04 1549	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.083	0.38	1.00000	ug/L	134790		11/18/04 1549	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U	*	0.12	0.38	1.00000	ug/L	134790		11/18/04 1549	dpk
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.18	0.96	1.00000	ug/L	134790		11/18/04 1549	dpk

* In Description = Dry Wgt.

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Job Number: 231657

LABORATORY TEST RESULTS

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AOGS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-014-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 15:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-6
 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	0.31	U		0.068	0.31	1.00000	ug/L	134706		11/06/04 0618	san
	RDX	0.31	U		0.064	0.20	1.00000	ug/L	134706		11/06/04 0618	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134706		11/06/04 0618	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134706		11/06/04 0618	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134706		11/06/04 0618	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134706		11/06/04 0618	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134706		11/06/04 0618	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134706		11/06/04 0618	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134706		11/06/04 0618	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134706		11/06/04 0618	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134706		11/06/04 0618	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134706		11/06/04 0618	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134706		11/06/04 0618	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134706		11/06/04 0618	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	134713		11/09/04 0549	san

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: LL8sw-014-SW

Trace Level Organic Compounds

Lot-Sample #...: G4K040343-001 Work Order #...: GV9J61AC Matrix.....: WATER
Date Sampled...: 11/02/04 15:15 Date Received...: 11/04/04
Prep Date.....: 11/08/04 Analysis Date...: 11/11/04
Prep Batch #...: 4313492
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	20	ug/L	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: LL8sw-014-SW

Trace Level Organic Compounds

Lot-Sample #...: G4K040343-001 Work Order #...: GV9J61AC
Date Sampled...: 11/02/04 15:15 Date Received...: 11/04/04
Prep Date.....: 11/08/04 Analysis Date...: 11/11/04
Prep Batch #...: 4313492
Dilution Factor: 1

Matrix.....: WATER

Initial Wgt/Vol: 10 mL

Final Wgt/Vol...: 10 mL

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	20	ug/L	NONE UV/HPLC per

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LABORATORY TEST RESULTS												
Job Number: 231657								Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RYAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water						Laboratory Sample ID: 231657-7 Date Received.....: 11/04/2004 Time Received.....: 09:10						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	HDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.070		B	0.057	0.20	1	mg/L	134627		11/17/04 1240	kd

* In Description = Dry Wgt.

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RYAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LLBSW-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water			Laboratory Sample ID: 231657-7 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DIRECTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133763		11/09/04 2252	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	134121		11/12/04 0012	daj
7421	Lead (GFAA) Lead	1.7		B	0.79	3.0	1	ug/L	134350		11/12/04 2354	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	134082		11/11/04 0439	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	134293		11/12/04 1412	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	710			24	150	1	ug/L	134280		11/13/04 1213	tds
	Barium	26			1.5	10	1	ug/L	134280		11/13/04 1213	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	134280		11/13/04 1213	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	134280		11/13/04 1213	tds
	Calcium	25000			24	100	1	ug/L	134280		11/13/04 1213	tds
	Chromium	1.7		B	1.5	10	1	ug/L	134280		11/13/04 1213	tds
	Cobalt	4.6		B	1.0	5.0	1	ug/L	134280		11/13/04 1213	tds
	Copper	2.6		B	1.6	10	1	ug/L	134280		11/13/04 1213	tds
	Iron	3600			40	120	1	ug/L	134280		11/13/04 1213	tds
	Magnesium	4200			12	100	1	ug/L	134280		11/13/04 1213	tds
	Manganese	1000			0.71	10	1	ug/L	134280		11/13/04 1213	tds
	Nickel	2.5		B	1.9	10	1	ug/L	134280		11/13/04 1213	tds
	Potassium	3000			110	500	1	ug/L	134280		11/13/04 1213	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657								Date: 11/18/2004				
CUSTOMER: MCM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water						Laboratory Sample ID: 231657-7 Date Received.....: 11/04/2004 Time Received.....: 09:10						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	5.0	15	1	ug/L	134280		11/13/04 1213	tds
	Silver	10		U	3.1	10	1	ug/L	134280		11/13/04 1213	tds
	Sodium	1700			500	1500	1	ug/L	134280		11/13/04 1213	tds
	Vanadium	10		U	2.1	10	1	ug/L	134280		11/13/04 1213	tds
	Zinc	16		B	10	30	1	ug/L	134280		11/13/04 1213	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657				Date: 11/28/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LLBSW-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water						Laboratory Sample ID: 231657-7 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	0.15	U		0.046	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	135511		11/09/04 0112	pjg
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	135511		11/09/04 0112	pjg
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	135511		11/09/04 0112	pjg
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	135511		11/09/04 0112	pjg
	Endrin ketone	0.097	U		0.028	0.097	1.00000	ug/L	135511		11/09/04 0112	pjg
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	135511		11/09/04 0112	pjg

* 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 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water			Laboratory Sample ID: 231657-7 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	0.58	U		0.17	0.58	1.00000	ug/L	135436		11/10/04 0530	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	135436		11/10/04 0530	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	135436		11/10/04 0530	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	135436		11/10/04 0530	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	135436		11/10/04 0530	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	135436		11/10/04 0530	bjt
	Aroclor 1260	0.58	U		0.17	0.58	1.00000	ug/L	135436		11/10/04 0530	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/18/2004

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

Customer Sample ID: LL8sw-015-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-7
 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134097		11/12/04 0033	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134097		11/12/04 0033	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134097		11/12/04 0033	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134097		11/12/04 0033	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134097		11/12/04 0033	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657								Date: 11/18/2004				
CUSTOMER: HGN Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water						Laboratory Sample ID: 231657-7 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0033	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 11/19/2004

Job Number: 231657

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-015-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-7
 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, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	134790		11/17/04 1918	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	134790		11/17/04 1918	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	134790		11/17/04 1918	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.62	19	1.00000	ug/L	134790		11/17/04 1918	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	134790		11/17/04 1918	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											Date: 11/19/2004	
Job Number: 231657				PROJECT: USACE RWAPP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water						Laboratory Sample ID: 231657-7 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, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	134790		11/17/04 1918	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,4-Dinitrophenol, Low Level Water	19	U	*	3.1	19	1.00000	ug/L	134790		11/17/04 1918	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	134790		11/17/04 1918	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	4-Nitroaniline, Low Level Water	9.5	U	*	2.2	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	134790		11/17/04 1918	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	134790		11/17/04 1918	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	134790		11/17/04 1918	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	134790		11/17/04 1918	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	134790		11/17/04 1918	dpk

* In Description = Dry Wgt.

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Job Number: 231657 LABORATORY TEST RESULTS Date: 11/19/2004

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

Customer Sample ID: LL8sw-015-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-7
 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, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	134790		11/17/04 1918	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	16			3.7	14	1.00000	ug/L	134790		11/17/04 1918	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U	*	2.4	9.5	1.00000	ug/L	134790		11/17/04 1918	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	134790		11/17/04 1918	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	134790		11/17/04 1918	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	134790		11/17/04 1918	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	134790		11/17/04 1918	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U	*	0.12	0.38	1.00000	ug/L	134790		11/17/04 1918	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	134790		11/17/04 1918	dpk

* 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: LL8sw-015-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water			Laboratory Sample ID: 231657-7 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	0.31	U		0.068	0.31	1.00000	ug/L	134706		11/06/04 0651	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	134706		11/06/04 0651	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134706		11/06/04 0651	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134706		11/06/04 0651	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134706		11/06/04 0651	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134706		11/06/04 0651	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134706		11/06/04 0651	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134706		11/06/04 0651	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134706		11/06/04 0651	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134706		11/06/04 0651	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134706		11/06/04 0651	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134706		11/06/04 0651	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134706		11/06/04 0651	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134706		11/06/04 0651	san

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-016-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 11:10 Sample Matrix.....: Water			Laboratory Sample ID: 231611-2 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	134627		11/17/04 1232	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-016-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Water

Laboratory Sample ID: 231611-2
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133763		11/09/04 2040	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	134121		11/11/04 2157	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	134350		11/12/04 2118	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	134082		11/11/04 0150	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134303		11/12/04 1302	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	38	B		24	150	1	ug/L	133381		11/05/04 1643	tds
	Barium	30			1.5	10	1	ug/L	133381		11/05/04 1643	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133381		11/05/04 1643	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133381		11/05/04 1643	tds
	Calcium	39000		H	24	100	1	ug/L	133381		11/05/04 1643	tds
	Chromium	10	U		1.5	10	1	ug/L	133381		11/05/04 1643	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	133381		11/05/04 1643	tds
	Copper	10	U		1.6	10	1	ug/L	133381		11/05/04 1643	tds
	Iron	260			40	120	1	ug/L	133381		11/05/04 1643	tds
	Magnesium	6700			12	100	1	ug/L	133381		11/05/04 1643	tds
	Manganese	61			0.71	10	1	ug/L	133381		11/05/04 1643	tds
	Nickel	10	U		1.9	10	1	ug/L	133381		11/05/04 1643	tds
	Potassium	3600			110	500	1	ug/L	133381		11/05/04 1643	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: ERIC ELLIS

Customer Sample ID: LL8sw-016-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Water

Laboratory Sample ID: 231611-2
 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	5.3	B		5.0	15	1	ug/L	133381		11/05/04 1643	tds
	Silver	10	U		3.1	10	1	ug/L	133381		11/05/04 1643	tds
	Sodium	3400			500	1500	1	ug/L	133381		11/05/04 1643	tds
	Vanadium	10	U		2.1	10	1	ug/L	133381		11/05/04 1643	tds
	Zinc	30	U		10	30	1	ug/L	133381		11/05/04 1643	tds

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/28/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-016-SW			Laboratory Sample ID: 231611-2									
Date Sampled.....: 11/02/2004			Date Received.....: 11/03/2004									
Time Sampled.....: 11:10			Time Received.....: 09:10									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	135507		11/07/04 0031	pjg
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	135507		11/07/04 0031	pjg
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	135507		11/07/04 0031	pjg
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	135507		11/07/04 0031	pjg
	Endrin ketone	0.097	U		0.028	0.097	1.00000	ug/L	135507		11/07/04 0031	pjg
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	135507		11/07/04 0031	pjg

* In Description = Dry Wgt.

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Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-016-SW Date Sampled.....: 11/02/2004 Time Sampled.....: 11:10 Sample Matrix.....: Water			Laboratory Sample ID: 231611-2 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
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	135432		11/09/04 2153	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	135432		11/09/04 2153	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	135432		11/09/04 2153	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	135432		11/09/04 2153	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	135432		11/09/04 2153	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	135432		11/09/04 2153	bjt
	Aroclor 1260	0.58	U		0.17	0.58	1.00000	ug/L	135432		11/09/04 2153	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231611

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-016-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Water

Laboratory Sample ID: 231611-2
 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Acetone	10	U		1.8	10	1.00000	ug/L	134095		11/11/04 1709	jd
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134095		11/11/04 1709	jd
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134095		11/11/04 1709	jd
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134095		11/11/04 1709	jd
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1709	jd
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134095		11/11/04 1709	jd

* In Description = Dry Wgt.

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Job Number: 231611 LABORATORY TEST RESULTS Date: 11/16/2004

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

Customer Sample ID: LL8sw-016-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Water

Laboratory Sample ID: 231611-2
 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1709	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

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

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

Customer Sample ID: LL8sw-016-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Water

Laboratory Sample ID: 231611-2
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134790		11/17/04 1612	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134790		11/17/04 1612	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	134790		11/17/04 1612	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134790		11/17/04 1612	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134790		11/17/04 1612	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk

* 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: LL8sw-016-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Water

Laboratory Sample ID: 231611-2
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	134790		11/17/04 1612	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,4-Dinitrophenol, Low Level Water	20	U	*	3.3	20	1.00000	ug/L	134790		11/17/04 1612	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134790		11/17/04 1612	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	4-Nitroaniline, Low Level Water	10	U	*	2.3	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	134790		11/17/04 1612	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134790		11/17/04 1612	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134790		11/17/04 1612	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	134790		11/17/04 1612	dpk

* 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: LL8sw-016-SW
 Date Sampled.....: 11/02/2004
 Time Sampled.....: 11:10
 Sample Matrix.....: Water

Laboratory Sample ID: 231611-2
 Date Received.....: 11/03/2004
 Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	134790		11/17/04 1612	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134790		11/17/04 1612	dpk
	Di-n-octyl phthalate, Low Level Water	10	U	*	2.5	10	1.00000	ug/L	134790		11/17/04 1612	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	134790		11/17/04 1612	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	134790		11/17/04 1612	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	134790		11/17/04 1612	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	134790		11/17/04 1612	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U	*	0.13	0.40	1.00000	ug/L	134790		11/17/04 1612	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134790		11/17/04 1612	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231611		LABORATORY TEST RESULTS						Date: 11/17/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-016-SW			Laboratory Sample ID: 231611-2								
Date Sampled: 11/02/2004			Date Received: 11/03/2004								
Time Sampled: 11:10			Time Received: 09:10								
Sample Matrix: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX	0.31	U	0.068	0.31	1.00000	ug/L	134563		11/05/04 2243	san
	RDX	0.20	U	0.064	0.20	1.00000	ug/L	134563		11/05/04 2243	san
	1,3,5-Trinitrobenzene	0.20	U	0.058	0.20	1.00000	ug/L	134563		11/05/04 2243	san
	1,3-Dinitrobenzene	0.20	U	0.055	0.20	1.00000	ug/L	134563		11/05/04 2243	san
	Nitrobenzene	0.16	U	0.044	0.16	1.00000	ug/L	134563		11/05/04 2243	san
	2,4,6-TNT	0.25	U	0.078	0.25	1.00000	ug/L	134563		11/05/04 2243	san
	Tetryl	0.78	U	0.16	0.78	1.00000	ug/L	134563		11/05/04 2243	san
	2,4-Dinitrotoluene	0.36	U	0.12	0.36	1.00000	ug/L	134563		11/05/04 2243	san
	2,6-Dinitrotoluene	0.43	U	0.14	0.43	1.00000	ug/L	134563		11/05/04 2243	san
	2-Amino-4,6-Dinitrotoluene	0.36	U	0.12	0.36	1.00000	ug/L	134563		11/05/04 2243	san
	4-Amino-2,6-Dinitrotoluene	0.33	U	0.11	0.33	1.00000	ug/L	134563		11/05/04 2243	san
	2-Nitrotoluene	0.31	U	0.093	0.31	1.00000	ug/L	134563		11/05/04 2243	san
	4-Nitrotoluene	0.31	U	0.10	0.31	1.00000	ug/L	134563		11/05/04 2243	san
	3-Nitrotoluene	0.31	U	0.10	0.31	1.00000	ug/L	134563		11/05/04 2243	san

* 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 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-017-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 13:20 Sample Matrix.....: Water						Laboratory Sample ID: 231657-1 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	FECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U		0.057	0.20	1	mg/L	134627		11/17/04 1237	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657						Date: 11/18/2004						
CUSTOMER: HOK Engineers, Inc.						PROJECT: USAGE RVAAP 14 ADCS			ATTN: Eric Ellis			
Customer Sample ID: LL8sw-017-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 13:20 Sample Matrix.....: Water						Laboratory Sample ID: 231657-1 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
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133763		11/09/04 2100	daj
7060A	Arsenic (GFAA) Arsenic	0.54	B		0.51	2.0	1	ug/L	134121		11/11/04 2220	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	134350		11/12/04 2152	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	134082		11/11/04 0229	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134293		11/12/04 1355	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	1200			24	150	1	ug/L	134280		11/13/04 1136	tds
	Barium	43			1.5	10	1	ug/L	134280		11/13/04 1136	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	134280		11/13/04 1136	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	134280		11/13/04 1136	tds
	Calcium	38000			24	100	1	ug/L	134280		11/13/04 1136	tds
	Chromium	2.2	B		1.5	10	1	ug/L	134280		11/13/04 1136	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	134280		11/13/04 1136	tds
	Copper	10	U		1.6	10	1	ug/L	134280		11/13/04 1136	tds
	Iron	2400			40	120	1	ug/L	134280		11/13/04 1136	tds
	Magnesium	6400			12	100	1	ug/L	134280		11/13/04 1136	tds
	Manganese	460			0.71	10	1	ug/L	134280		11/13/04 1136	tds
	Nickel	10	U		1.9	10	1	ug/L	134280		11/13/04 1136	tds
	Potassium	5100			110	500	1	ug/L	134280		11/13/04 1136	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657						Date: 11/18/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-017-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 13:20 Sample Matrix.....: Water						Laboratory Sample ID: 231657-1 Date Received.....: 11/04/2004 Time Received.....: 09:10						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ML	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	134280		11/13/04 1136	tds
	Silver	10	U		3.1	10	1	ug/L	134280		11/13/04 1136	tds
	Sodium	2500			500	1500	1	ug/L	134280		11/13/04 1136	tds
	Vanadium	10	U		2.1	10	1	ug/L	134280		11/13/04 1136	tds
	Zinc	30	U		10	30	1	ug/L	134280		11/13/04 1136	tds

* In Description = Dry Wgt.

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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: LL8sw-017-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 13:20 Sample Matrix.....: Water			Laboratory Sample ID: 231657-1 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	HDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	135511		11/08/04 2306	pjg
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	Methoxychlor	0.60	U		0.17	0.60	1.00000	ug/L	135511		11/08/04 2306	pjg
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	135511		11/08/04 2306	pjg
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	135511		11/08/04 2306	pjg
	Endrin ketone	0.10	U		0.029	0.10	1.00000	ug/L	135511		11/08/04 2306	pjg
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	135511		11/08/04 2306	pjg

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Job Number: 231657		LABORATORY TEST RESULTS						Date: 11/24/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP TA AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-017-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 13:20 Sample Matrix.....: Water			Laboratory Sample ID: 231657-1 Date Received.....: 11/04/2004 Time Received.....: 09:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.60	U		0.18	0.60	1.00000	ug/L	135436		11/10/04 0234	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	135436		11/10/04 0234	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	135436		11/10/04 0234	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	135436		11/10/04 0234	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	135436		11/10/04 0234	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	135436		11/10/04 0234	bjt
	Aroclor 1260	0.60	U		0.17	0.60	1.00000	ug/L	135436		11/10/04 0234	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231657 Date: 11/18/2004

CUSTOMER: NKM Engineers, Inc. PROJECT: USACE RVAAP 14 AOCs ATTN: Eric ELLIS

Customer Sample ID: LL8sw-017-SW Laboratory Sample ID: 231657-1
 Date Sampled.....: 11/03/2004 Date Received.....: 11/04/2004
 Time Sampled.....: 13:20 Time Received.....: 09:10
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Vinyl chloride	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Bromomethane	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Chloroethane	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,1-Dichloroethene	1.0		U	0.12	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Carbon disulfide	5.0		U	0.20	5.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Acetone	10		U	1.8	10	1.00000	ug/L	134097		11/11/04 2238	jdj
	Methylene chloride	1.5		U	0.35	1.5	1.00000	ug/L	134097		11/11/04 2238	jdj
	trans-1,2-Dichloroethene	1.0		U	0.14	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,1-Dichloroethane	1.0		U	0.11	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	cis-1,2-Dichloroethene	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	2-Butanone (MEK)	10		U	1.2	10	1.00000	ug/L	134097		11/11/04 2238	jdj
	Bromochloromethane	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Chloroform	1.0		U	0.11	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,1,1-Trichloroethane	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Carbon tetrachloride	1.0		U	0.13	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Benzene	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,2-Dichloroethane	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Trichloroethene	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,2-Dichloropropene	1.0		U	0.12	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Bromodichloromethane	1.0		U	0.11	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	cis-1,3-Dichloropropene	1.0		U	0.12	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	4-Methyl-2-pentanone (MIBK)	10		U	0.65	10	1.00000	ug/L	134097		11/11/04 2238	jdj
	Toluene	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	trans-1,3-Dichloropropene	1.0		U	0.15	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,1,2-Trichloroethane	1.0		U	0.15	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Tetrachloroethene	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	2-Hexanone	10		U	0.53	10	1.00000	ug/L	134097		11/11/04 2238	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231657						Date: 11/18/2004						
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-017-SW Date Sampled: 11/03/2004 Time Sampled: 13:20 Sample Matrix: Water						Laboratory Sample ID: 231657-1 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/11/04 2238	jdj

* 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 AGCS				ATTN: Eric Ellis						
Customer Sample ID: LL8sw-017-SW		Laboratory Sample ID: 231657-1		Date Sampled.....: 11/03/2004		Date Received.....: 11/04/2004		Time Sampled.....: 13:20		Time Received.....: 09:10		
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134790		11/18/04 1418	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134790		11/18/04 1418	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	134790		11/18/04 1418	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134790		11/18/04 1418	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134790		11/18/04 1418	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134790		11/18/04 1418	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134790		11/18/04 1418	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134790		11/18/04 1418	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134790		11/18/04 1418	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/18/04 1418	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 RYAAP 14 AOCs

ATTN: Eric ELLIS

Customer Sample ID: LL8sw-017-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-1
 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, Low Level Water	10	U		2.4	10	1.00000	ug/L	134790		11/18/04 14:18	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	134790		11/18/04 14:18	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	134790		11/18/04 14:18	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	2,4-Dinitrophenol, Low Level Water	20	U	*	3.3	20	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	4-Nitroaniline, Low Level Water	10	U	*	2.3	10	1.00000	ug/L	134790		11/18/04 14:18	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134790		11/18/04 14:18	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134790		11/18/04 14:18	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	134790		11/18/04 14:18	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: LL8sw-017-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-1
 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, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	134790		11/18/04 1418	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134790		11/18/04 1418	dpk
	Di-n-octyl phthalate, Low Level Water	10	U	*	2.5	10	1.00000	ug/L	134790		11/18/04 1418	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	134790		11/18/04 1418	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	134790		11/18/04 1418	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	134790		11/18/04 1418	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	134790		11/18/04 1418	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U	*	0.13	0.40	1.00000	ug/L	134790		11/18/04 1418	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134790		11/18/04 1418	dpk

* In Description = Dry Wgt.

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Job Number: 231657

LABORATORY TEST RESULTS

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-017-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 13:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231657-1
 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	0.38	U		0.084	0.38	1.00000	ug/L	134706		11/06/04 0336	san
	RDX	0.12	U	a	0.079	0.25	1.00000	ug/L	134706		11/06/04 0336	san
	1,3,5-Trinitrobenzene	0.25	U		0.072	0.25	1.00000	ug/L	134706		11/06/04 0336	san
	1,3-Dinitrobenzene	0.25	U		0.068	0.25	1.00000	ug/L	134706		11/06/04 0336	san
	Nitrobenzene	0.20	U		0.054	0.20	1.00000	ug/L	134706		11/06/04 0336	san
	2,4,6-TNT	0.31	U		0.096	0.31	1.00000	ug/L	134706		11/06/04 0336	san
	Tetryl	0.96	U		0.20	0.96	1.00000	ug/L	134706		11/06/04 0336	san
	2,4-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	134706		11/06/04 0336	san
	2,6-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	134706		11/06/04 0336	san
	2-Amino-4,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	134706		11/06/04 0336	san
	4-Amino-2,6-Dinitrotoluene	0.41	U		0.14	0.41	1.00000	ug/L	134706		11/06/04 0336	san
	2-Nitrotoluene	0.38	U		0.11	0.38	1.00000	ug/L	134706		11/06/04 0336	san
	4-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	134706		11/06/04 0336	san
	3-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	134706		11/06/04 0336	san

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/14/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 1& AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL8sw-018-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 09:35 Sample Matrix.....: Water			Laboratory Sample ID: 232168-1 Date Received.....: 11/20/2004 Time Received.....: 09:00								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q. FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, ND2, ND3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.54		0.057	0.20	1	mg/L	135585		11/29/04 1148	kd

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS							Date: 12/06/2004			
CUSTOMER: MCK Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LLBSW-018-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 09:35 Sample Matrix.....: Water			Laboratory Sample ID: 232168-1 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	4.7		B	2.5	7.5	1	ug/L	135231		11/22/04 1726	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	135115		11/21/04 1522	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	135155		11/22/04 1347	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	135201		11/23/04 0154	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	135633		11/29/04 1434	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum	150		U	24	150	1	ug/L	135885		12/01/04 1915	tds
	Barium	17		U	1.3	10	1	ug/L	135885		12/01/04 1915	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	135885		12/01/04 1915	tds
	Cadmium	0.30		B	0.25	2.0	1	ug/L	135885		12/01/04 1915	tds
	Calcium	34000		U	9.5	100	1	ug/L	135885		12/01/04 1915	tds
	Chromium	10		U	1.1	10	1	ug/L	135885		12/01/04 1915	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	135885		12/01/04 1915	tds
	Copper	3.8		B	2.2	10	1	ug/L	135885		12/01/04 1915	tds
	Iron	120		U	38	120	1	ug/L	135885		12/01/04 1915	tds
	Magnesium	5300		U	8.1	100	1	ug/L	135885		12/01/04 1915	tds
	Manganese	0.99		B	0.41	10	1	ug/L	135885		12/01/04 1915	tds
	Nickel	10		U	1.0	10	1	ug/L	135885		12/01/04 1915	tds
	Potassium	35000		U	66	500	1	ug/L	135885		12/01/04 1915	tds

* In Description = Dry Wgt.