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Job Number: 232168		LABORATORY TEST RESULTS					Date: 12/06/2004					
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RYAMP 14 AGCS			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
	Selenium	15	U		3.0	15	1	ug/L	135885		12/01/04 1915	tds
	Silver	10	U		0.72	10	1	ug/L	135885		12/01/04 1915	tds
	Sodium	8200			490	1500	1	ug/L	135885		12/01/04 1915	tds
	Vanadium	10	U		1.0	10	1	ug/L	135885		12/01/04 1915	tds
	Zinc	25	B		1.6	30	1	ug/L	135885		12/01/04 1915	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADES

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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136532		11/28/04 2204	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	136532		11/28/04 2204	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	136532		11/28/04 2204	kdl
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	136532		11/28/04 2204	kdl
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	136532		11/28/04 2204	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	136532		11/28/04 2204	kdl

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/03/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: LL8sw-01B-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	
8082	PCB Analysis												
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	136116		11/24/04 1851	bjt	
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	136116		11/24/04 1851	bjt	
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	136116		11/24/04 1851	bjt	
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	136116		11/24/04 1851	bjt	
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	136116		11/24/04 1851	bjt	
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	136116		11/24/04 1851	bjt	
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	136116		11/24/04 1851	bjt	

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				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
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0241	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0241	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0241	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0241	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0241	jdj

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	135800		12/01/04 0241	jdj

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 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
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	136454		12/01/04 2211	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136454		12/01/04 2211	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	136454		12/01/04 2211	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.63	19	1.00000	ug/L	136454		12/01/04 2211	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136454		12/01/04 2211	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: Z32168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP T4 AODS

ATTN: Eric Ellis

Customer Sample ID: LLBsw-018-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 09:35
 Sample Matrix.....: Water

Laboratory Sample ID: Z32168-1
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136454		12/01/04 2211	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	136454		12/01/04 2211	dpk
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	136454		12/01/04 2211	dpk
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	136454		12/01/04 2211	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	136454		12/01/04 2211	dpk
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	136454		12/01/04 2211	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136454		12/01/04 2211	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AGCS

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
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.70	4.9	1.00000	ug/L	136454		12/01/04 2211	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136454		12/01/04 2211	dpk
	Di-n-octyl phthalate, Low Level Water	9.7	U	*	2.4	9.7	1.00000	ug/L	136454		12/01/04 2211	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	136454		12/01/04 2211	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	136454		12/01/04 2211	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136454		12/01/04 2211	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	136454		12/01/04 2211	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136454		12/01/04 2211	dpk
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	136454		12/01/04 2211	dpk

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVARP 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
8330	Explosives by 8330 (HPLC)											
	BMX	0.32	U		0.070	0.32	1.00000	ug/L	136010		11/25/04 0151	san
	RDX	0.21	U		0.066	0.21	1.00000	ug/L	136010		11/25/04 0151	san
	1,3,5-Trinitrobenzene	0.21	U		0.060	0.21	1.00000	ug/L	136010		11/25/04 0151	san
	1,3-Dinitrobenzene	0.21	U		0.057	0.21	1.00000	ug/L	136010		11/25/04 0151	san
	Nitrobenzene	0.17	U		0.045	0.17	1.00000	ug/L	136010		11/25/04 0151	san
	2,4,6-TNT	0.26	U		0.081	0.26	1.00000	ug/L	136010		11/25/04 0151	san
	Tetryl	0.81	U		0.17	0.81	1.00000	ug/L	136010		11/25/04 0151	san
	2,4-Dinitrotoluene	0.37	U		0.13	0.37	1.00000	ug/L	136010		11/25/04 0151	san
	2,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	136010		11/25/04 0151	san
	2-Amino-4,6-Dinitrotoluene	0.37	U		0.12	0.37	1.00000	ug/L	136010		11/25/04 0151	san
	4-Amino-2,6-Dinitrotoluene	0.34	U		0.12	0.34	1.00000	ug/L	136010		11/25/04 0151	san
	2-Nitrotoluene	0.32	U		0.096	0.32	1.00000	ug/L	136010		11/25/04 0151	san
	4-Nitrotoluene	0.32	U		0.10	0.32	1.00000	ug/L	136010		11/25/04 0151	san
	3-Nitrotoluene	0.32	U		0.10	0.32	1.00000	ug/L	136010		11/25/04 0151	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168 Date: 12/14/2004

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

Customer Sample ID: LL8sw-019-SW Laboratory Sample ID: 232168-2
 Date Sampled.....: 11/19/2004 Date Received.....: 11/20/2004
 Time Sampled.....: 10:05 Time Received.....: 09:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RU	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	135585		11/29/04 1149	kd

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/06/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-019-SW			Laboratory Sample ID: 232168-2									
Date Sampled: 11/19/2004			Date Received: 11/20/2004									
Time Sampled: 10:05			Time Received: 09:00									
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	135231		11/22/04 1736	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	135115		11/21/04 1534	daj
7421	Lead (GFAA) Lead	1.2		B	0.79	3.0	1	ug/L	135155		11/22/04 1359	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	135201		11/23/04 0207	daj
7470A	Mercury (CVAA) Mercury	0.072		B	0.049	0.20	1	ug/L	135633		11/29/04 1436	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150		U	24	150	1	ug/L	135885		12/01/04 2010	tds
	Barium	35		U	1.3	10	1	ug/L	135885		12/01/04 2010	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	135885		12/01/04 2010	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	135885		12/01/04 2010	tds
	Calcium	23000		U	9.5	100	1	ug/L	135885		12/01/04 2010	tds
	Chromium	1.2		B	1.1	10	1	ug/L	135885		12/01/04 2010	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	135885		12/01/04 2010	tds
	Copper	3.8		B	2.2	10	1	ug/L	135885		12/01/04 2010	tds
	Iron	120		U	38	120	1	ug/L	135885		12/01/04 2010	tds
	Magnesium	9500		U	8.1	100	1	ug/L	135885		12/01/04 2010	tds
	Manganese	2.6		B	0.41	10	1	ug/L	135885		12/01/04 2010	tds
	Nickel	10		U	1.0	10	1	ug/L	135885		12/01/04 2010	tds
	Potassium	28000		U	66	500	1	ug/L	135885		12/01/04 2010	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/06/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL8sw-019-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232168-2
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

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	135885		12/01/04 2010	tds
	Silver	10		U	0.72	10	1	ug/L	135885		12/01/04 2010	tds
	Sodium	11000			490	1500	1	ug/L	135885		12/01/04 2010	tds
	Vanadium	10		U	1.0	10	1	ug/L	135885		12/01/04 2010	tds
	Zinc	8.3		B	1.6	30	1	ug/L	135885		12/01/04 2010	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168 Date: 12/08/2004

CUSTOMER: MCM Engineers, Inc. PROJECT: USACE RMAAP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: LL8sw-019-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232168-2
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	136532		11/28/04 2229	kdI
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	136532		11/28/04 2229	kdI
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	136532		11/28/04 2229	kdI
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	136532		11/28/04 2229	kdI
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	136532		11/28/04 2229	kdI
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	136532		11/28/04 2229	kdI

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS							Date: 12/03/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE: RVAAP: 14: AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL8sw-019-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water					Laboratory Sample ID: 232168-2 Date Received.....: 11/20/2004 Time Received.....: 09:00							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57		U	0.17	0.57	1.00000	ug/L	136116		11/24/04 1927	bjt
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	136116		11/24/04 1927	bjt
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	136116		11/24/04 1927	bjt
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	136116		11/24/04 1927	bjt
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	136116		11/24/04 1927	bjt
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	136116		11/24/04 1927	bjt
	Aroclor 1260	0.57		U	0.16	0.57	1.00000	ug/L	136116		11/24/04 1927	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168 Date: 12/02/2004

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

Customer Sample ID: LL8sw-019-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232168-2
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0304	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0304	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0304	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0304	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0304	jdj

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE BVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: LL8sw-019-SW			Laboratory Sample ID: 232168-2									
Date Sampled.....: 11/19/2004			Date Received.....: 11/20/2004									
Time Sampled.....: 10:05			Time Received.....: 09:00									
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	135800		12/01/04 0304	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	135800		12/01/04 0304	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-019-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232168-2
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	136454		12/01/04 2234	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.078	0.48	1.00000	ug/L	136454		12/01/04 2234	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.59	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.096	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.12	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Nitrobenzene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	136454		12/01/04 2234	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.62	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Naphthalene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		0.87	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	4-Chloroaniline, Low Level Water	9.6	U		2.7	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		1.3	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.62	19	1.00000	ug/L	136454		12/01/04 2234	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	136454		12/01/04 2234	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-019-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232168-2
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		2.3	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	136454		12/01/04 2234	dpk
	2-Nitrophenol, Low Level Water	9.6	U		0.79	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	3-Nitroaniline, Low Level Water	9.6	U		2.0	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	136454		12/01/04 2234	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	Acenaphthene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	136454		12/01/04 2234	dpk
	Fluorene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	4-Nitroaniline, Low Level Water	9.6	U		2.2	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.093	0.48	1.00000	ug/L	136454		12/01/04 2234	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.72	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.6	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	136454		12/01/04 2234	dpk
	Phenanthrene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	Anthracene, Low Level Water	0.96	U		0.14	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.35	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Fluoranthene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	Pyrene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	136454		12/01/04 2234	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	136454		12/01/04 2234	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	136454		12/01/04 2234	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232168

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGGS

ATTN: Eric Ellis

Customer Sample ID: LL8sw-019-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232168-2
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	136454		12/01/04 2234	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	4.2	J		3.7	14	1.00000	ug/L	136454		12/01/04 2234	dpk
	Di-n-octyl phthalate, Low Level Water	9.6	U	*	2.4	9.6	1.00000	ug/L	136454		12/01/04 2234	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	136454		12/01/04 2234	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	136454		12/01/04 2234	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.081	0.38	1.00000	ug/L	136454		12/01/04 2234	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.083	0.38	1.00000	ug/L	136454		12/01/04 2234	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	136454		12/01/04 2234	dpk
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.18	0.96	1.00000	ug/L	136454		12/01/04 2234	dpk

* In Description = Dry Wgt.

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Job Number: 232168		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Eltis						
Customer Sample ID: LL8sw-019-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232168-2 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	136010		11/25/04 0224	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	136010		11/25/04 0224	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	136010		11/25/04 0224	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	136010		11/25/04 0224	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	136010		11/25/04 0224	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	136010		11/25/04 0224	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	136010		11/25/04 0224	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136010		11/25/04 0224	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136010		11/25/04 0224	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136010		11/25/04 0224	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	136010		11/25/04 0224	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	136010		11/25/04 0224	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136010		11/25/04 0224	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136010		11/25/04 0224	san

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:01/03/2005				
CUSTOMER: MKH Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-002-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-1 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA)	4.0		B	2.5	7.5	1	ug/L	137685		12/21/04 0013	daj
7060A	Arsenic (GFAA)	2.0		U	0.51	2.0	1	ug/L	137730		12/20/04 1439	daj
7421	Lead (GFAA)	2.2		B	0.79	3.0	1	ug/L	137991		12/22/04 1530	daj
7841	Thallium (GFAA)	4.0		U	1.3	4.0	1	ug/L	137972		12/22/04 1106	daj
7470A	Mercury (CVAA)	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1554	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	390			24	150	1	ug/L	138597		12/31/04 0822	tds
	Barium	17			1.3	10	1	ug/L	138597		12/31/04 0822	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0822	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0822	tds
	Calcium	27000			9.5	100	1	ug/L	138597		12/31/04 0822	tds
	Chromium	10		U	1.1	10	1	ug/L	138597		12/31/04 0822	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138597		12/31/04 0822	tds
	Copper	10		U	2.2	10	1	ug/L	138597		12/31/04 0822	tds
	Iron	560			38	120	1	ug/L	138597		12/31/04 0822	tds
	Magnesium	4700			8.1	100	1	ug/L	138597		12/31/04 0822	tds
	Manganese	13			0.41	10	1	ug/L	138597		12/31/04 0822	tds
	Nickel	10		U	1.0	10	1	ug/L	138597		12/31/04 0822	tds
	Potassium	1400			66	500	1	ug/L	138597		12/31/04 0822	tds

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-SW			Laboratory Sample ID: 232829-1									
Date Sampled: 12/15/2004			Date Received: 12/16/2004									
Time Sampled: 08:50			Time Received: 09:00									
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	138597		12/31/04 0822	tds
	Silver	10	U		0.72	10	1	ug/L	138597		12/31/04 0822	tds
	Sodium	880	B		490	1500	1	ug/L	138597		12/31/04 0822	tds
	Vanadium	10	U		1.0	10	1	ug/L	138597		12/31/04 0822	tds
	Zinc	6.4	B		1.6	30	1	ug/L	138597		12/31/04 0822	tds

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/30/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE (VAAP) 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-1 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	138518		12/21/04 1211	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	138518		12/21/04 1211	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138518		12/21/04 1211	kdl
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	138518		12/21/04 1211	kdl
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	138518		12/21/04 1211	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138518		12/21/04 1211	kdl

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:12/28/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USAGE RYAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-SW			Laboratory Sample ID: 232829-1									
Date Sampled.....: 12/15/2004			Date Received.....: 12/16/2004									
Time Sampled.....: 08:50			Time Received.....: 09:00									
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	0.58	U		0.17	0.58	1.00000	ug/L	138210		12/20/04 2010	pjg
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	138210		12/20/04 2010	pjg
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	138210		12/20/04 2010	pjg
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	138210		12/20/04 2010	pjg
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	138210		12/20/04 2010	pjg
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	138210		12/20/04 2010	pjg
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	138210		12/20/04 2010	pjg

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-002-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-1 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Acetone	10	U		1.8	10	1.00000	ug/L	138291		12/28/04 1155	jdn
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	138291		12/28/04 1155	jdn
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	138291		12/28/04 1155	jdn
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	138291		12/28/04 1155	jdn
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1155	jdn
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	138291		12/28/04 1155	jdn

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-1 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	138291		12/28/04 1155	jdj

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 01/05/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-1 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138792		12/27/04 1858	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	138792		12/27/04 1858	glr
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138792		12/27/04 1858	glr
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.63	19	1.00000	ug/L	138792		12/27/04 1858	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	138792		12/27/04 1858	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138792		12/27/04 1858	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date:01/05/2005

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-002-SW
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-1
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

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	138792		12/27/04 1858	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	138792		12/27/04 1858	glr
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	138792		12/27/04 1858	glr
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	138792		12/27/04 1858	glr
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	138792		12/27/04 1858	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138792		12/27/04 1858	glr
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138792		12/27/04 1858	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	138792		12/27/04 1858	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	138792		12/27/04 1858	glr
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	138792		12/27/04 1858	glr

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:01/05/2005				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RYAMP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-002-SW			Laboratory Sample ID: 232829-1									
Date Sampled.....: 12/15/2004			Date Received.....: 12/16/2004									
Time Sampled.....: 08:50			Time Received.....: 09:00									
Sample Matrix.....: Water												
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	138792		12/27/04 1858	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	138792		12/27/04 1858	glr
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	138792		12/27/04 1858	glr
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	138792		12/27/04 1858	glr
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	138792		12/27/04 1858	glr
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	138792		12/27/04 1858	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	138792		12/27/04 1858	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	138792		12/27/04 1858	glr
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	138792		12/27/04 1858	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829 Date: 12/30/2004

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

Customer Sample ID: L10sw-002-SW
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-1
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.34	U		0.074	0.34	1.00000	ug/L	138521		12/29/04 1921	san
	RDX	0.22	U		0.069	0.22	1.00000	ug/L	138521		12/29/04 1921	san
	1,3,5-Trinitrobenzene	0.22	U		0.063	0.22	1.00000	ug/L	138521		12/29/04 1921	san
	1,3-Dinitrobenzene	0.22	U		0.060	0.22	1.00000	ug/L	138521		12/29/04 1921	san
	Nitrobenzene	0.17	U		0.048	0.17	1.00000	ug/L	138521		12/29/04 1921	san
	2,4,6-TNT	0.27	U		0.085	0.27	1.00000	ug/L	138521		12/29/04 1921	san
	Tetryl	0.85	U		0.18	0.85	1.00000	ug/L	138521		12/29/04 1921	san
	2,4-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	138521		12/29/04 1921	san
	2,6-Dinitrotoluene	0.47	U		0.15	0.47	1.00000	ug/L	138521		12/29/04 1921	san
	2-Amino-4,6-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	138521		12/29/04 1921	san
	4-Amino-2,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	138521		12/29/04 1921	san
	2-Nitrotoluene	0.34	U		0.10	0.34	1.00000	ug/L	138521		12/29/04 1921	san
	4-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	138521		12/29/04 1921	san
3-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	138521		12/29/04 1921	san	

* In Description = Dry Wgt.

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Job Number: 232829	LABORATORY TEST RESULTS	Date: 01/10/2005
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CUSTOMER: MKM Engineers, Inc.	PROJECT: USACE RVAAP TA AOC5	ATTN: Eric Ellis
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Customer Sample ID: L10sw-002-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water	Laboratory Sample ID: 232829-1 Date Received.....: 12/16/2004 Time Received.....: 09:00
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TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010		U	0.0044	0.010	1	mg/L	137793		12/20/04 1240	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829 Date: 01/03/2005

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

Customer Sample ID: L10sw-002-DUP Laboratory Sample ID: 232829-2
 Date Sampled.....: 12/15/2004 Date Received.....: 12/16/2004
 Time Sampled.....: 08:50 Time Received.....: 09:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	3.2		B	2.5	7.5	1	ug/L	137685		12/21/04 0107	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137730		12/20/04 1527	daj
7421	Lead (GFAA) Lead	2.2		B	0.79	3.0	1	ug/L	137991		12/22/04 1702	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137972		12/22/04 1204	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1601	gek
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	460			24	150	1	ug/L	138597		12/31/04 0917	tds
	Barium	18			1.3	10	1	ug/L	138597		12/31/04 0917	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0917	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0917	tds
	Calcium	28000			9.5	100	1	ug/L	138597		12/31/04 0917	tds
	Chromium	1.2		B	1.1	10	1	ug/L	138597		12/31/04 0917	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138597		12/31/04 0917	tds
	Copper	10		U	2.2	10	1	ug/L	138597		12/31/04 0917	tds
	Iron	590			38	120	1	ug/L	138597		12/31/04 0917	tds
	Magnesium	4900			8.1	100	1	ug/L	138597		12/31/04 0917	tds
	Manganese	13			0.41	10	1	ug/L	138597		12/31/04 0917	tds
	Nickel	10		U	1.0	10	1	ug/L	138597		12/31/04 0917	tds
	Potassium	1400			66	500	1	ug/L	138597		12/31/04 0917	tds

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-DUP Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-2 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	138597		12/31/04 0917	tds
	Silver	10	U		0.72	10	1	ug/L	138597		12/31/04 0917	tds
	Sodium	930	B		490	1500	1	ug/L	138597		12/31/04 0917	tds
	Vanadium	10	U		1.0	10	1	ug/L	138597		12/31/04 0917	tds
	Zinc	7.3	B		1.6	30	1	ug/L	138597		12/31/04 0917	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 12/30/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-002-DUP
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-2
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	138518		12/21/04 1120	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	138518		12/21/04 1120	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138518		12/21/04 1120	kdl
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	138518		12/21/04 1120	kdl
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	138518		12/21/04 1120	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138518		12/21/04 1120	kdl

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-DUP Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-2 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	138210		12/20/04 2125	pjg
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	138210		12/20/04 2125	pjg
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	138210		12/20/04 2125	pjg
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	138210		12/20/04 2125	pjg
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	138210		12/20/04 2125	pjg
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	138210		12/20/04 2125	pjg
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	138210		12/20/04 2125	pjg

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ROCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-002-DUP Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-2 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	138291		12/28/04 1301	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	138291		12/28/04 1301	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	138291		12/28/04 1301	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	138291		12/28/04 1301	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	138291		12/28/04 1301	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 12/29/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-002-DUP
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-2
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NEL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	138291		12/28/04 1301	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10SW-002-DUP
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-2
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
B270C	Semivolatle Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	138792		12/27/04 1921	glr
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	138792		12/27/04 1921	glr
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	138792		12/27/04 1921	glr
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.64	20	1.00000	ug/L	138792		12/27/04 1921	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	138792		12/27/04 1921	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	138792		12/27/04 1921	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 01/05/2005

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

Customer Sample ID: L10SW-002-DUP
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-2
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U	2.4	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U	0.11	0.49	1.00000	ug/L	138792		12/27/04 1921	glr
	2-Nitrophenol, Low Level Water	9.8	U	0.80	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	3-Nitroaniline, Low Level Water	9.8	U	2.1	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	Dimethyl phthalate, Low Level Water	2.0	U	0.21	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	2,4-Dinitrophenol, Low Level Water	20	U	3.2	20	1.00000	ug/L	138792		12/27/04 1921	glr
	Acenaphthylene, Low Level Water	0.98	U	0.12	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	2,4-Dinitrotoluene, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	Acenaphthene, Low Level Water	0.98	U	0.12	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	Dibenzofuran, Low Level Water	2.0	U	0.13	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	4-Nitrophenol, Low Level Water	20	U	3.6	20	1.00000	ug/L	138792		12/27/04 1921	glr
	Fluorene, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	4-Nitroaniline, Low Level Water	9.8	U	2.3	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U	0.19	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Hexachlorobenzene, Low Level Water	0.49	U	0.095	0.49	1.00000	ug/L	138792		12/27/04 1921	glr
	Diethyl phthalate, Low Level Water	2.0	U	0.15	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U	0.74	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Pentachlorophenol, Low Level Water	9.8	U	1.7	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	n-Nitrosodiphenylamine, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U	2.4	20	1.00000	ug/L	138792		12/27/04 1921	glr
	Phenanthrene, Low Level Water	0.98	U	0.14	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	Anthracene, Low Level Water	0.98	U	0.15	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	Carbazole, Low Level Water	4.9	U	0.28	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U	0.35	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Fluoranthene, Low Level Water	0.98	U	0.14	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	Pyrene, Low Level Water	0.98	U	0.12	0.98	1.00000	ug/L	138792		12/27/04 1921	glr
	Butyl benzyl phthalate, Low Level Water	2.0	U	0.38	2.0	1.00000	ug/L	138792		12/27/04 1921	glr
	Benzo(a)anthracene, Low Level Water	0.20	U	0.048	0.20	1.00000	ug/L	138792		12/27/04 1921	glr
	Chrysene, Low Level Water	0.49	U	0.044	0.49	1.00000	ug/L	138792		12/27/04 1921	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: 110sw-002-DUP

Date Sampled.....: 12/15/2004

Time Sampled.....: 08:50

Sample Matrix.....: Water

Laboratory Sample ID: 232829-2

Date Received.....: 12/16/2004

Time Received.....: 09:00

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		0.71	4.9	1.00000	ug/L	138792		12/27/04 1921	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	138792		12/27/04 1921	glr
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	138792		12/27/04 1921	glr
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	138792		12/27/04 1921	glr
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	138792		12/27/04 1921	glr
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	138792		12/27/04 1921	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	138792		12/27/04 1921	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	138792		12/27/04 1921	glr
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	138792		12/27/04 1921	glr

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/30/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-DUP			Laboratory Sample ID: 232829-2									
Date Sampled.....: 12/15/2004			Date Received.....: 12/16/2004									
Time Sampled.....: 08:50			Time Received.....: 09:00									
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)											
	BMX	0.44	U		0.096	0.44	1.00000	ug/L	138521		12/29/04 2131	san
	RDX	0.28	U		0.091	0.28	1.00000	ug/L	138521		12/29/04 2131	san
	1,3,5-Trinitrobenzene	0.28	U		0.082	0.28	1.00000	ug/L	138521		12/29/04 2131	san
	1,3-Dinitrobenzene	0.28	U		0.078	0.28	1.00000	ug/L	138521		12/29/04 2131	san
	Nitrobenzene	0.23	U		0.062	0.23	1.00000	ug/L	138521		12/29/04 2131	san
	2,4,6-TNT	0.35	U		0.11	0.35	1.00000	ug/L	138521		12/29/04 2131	san
	Tetryl	1.1	U		0.23	1.1	1.00000	ug/L	138521		12/29/04 2131	san
	2,4-Dinitrotoluene	0.51	U		0.17	0.51	1.00000	ug/L	138521		12/29/04 2131	san
	2,6-Dinitrotoluene	0.61	U		0.20	0.61	1.00000	ug/L	138521		12/29/04 2131	san
	2-Amino-4,6-Dinitrotoluene	0.51	U		0.17	0.51	1.00000	ug/L	138521		12/29/04 2131	san
	4-Amino-2,6-Dinitrotoluene	0.47	U		0.16	0.47	1.00000	ug/L	138521		12/29/04 2131	san
	2-Nitrotoluene	0.44	U		0.13	0.44	1.00000	ug/L	138521		12/29/04 2131	san
	4-Nitrotoluene	0.44	U		0.14	0.44	1.00000	ug/L	138521		12/29/04 2131	san
	3-Nitrotoluene	0.44	U		0.14	0.44	1.00000	ug/L	138521		12/29/04 2131	san

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 01/10/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-002-DUP Date Sampled.....: 12/15/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 232829-2 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	137793		12/20/04 1242	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 232789								Date: 01/07/2005			
CUSTOMER: MCM Engineers, Inc.				PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: L10sw-004-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water						Laboratory Sample ID: 232789-6 Date Received.....: 12/15/2004 Time Received.....: 09:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	4.0	B	2.5	7.5	1	ug/L	137685		12/20/04 2337	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U	0.51	2.0	1	ug/L	137730		12/20/04 1351	daj
7421	Lead (GFAA) Lead	9.7		0.79	3.0	1	ug/L	137991		12/22/04 1443	daj
7841	Thallium (GFAA) Thallium	4.0	U	1.3	4.0	1	ug/L	137838		12/21/04 2049	daj
7470A	Mercury (CVAA) Mercury	0.20	U	0.063	0.20	1	ug/L	137472		12/17/04 1540	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum	430		24	150	1	ug/L	138597		12/31/04 0804	tds
	Barium	22		1.3	10	1	ug/L	138597		12/31/04 0804	tds
	Beryllium	2.0	U	0.25	2.0	1	ug/L	138597		12/31/04 0804	tds
	Cadmium	2.0	U	0.25	2.0	1	ug/L	138597		12/31/04 0804	tds
	Calcium	29000		9.5	100	1	ug/L	138597		12/31/04 0804	tds
	Chromium	10	U	1.1	10	1	ug/L	138597		12/31/04 0804	tds
	Cobalt	5.0	U	0.80	5.0	1	ug/L	138597		12/31/04 0804	tds
	Copper	10	U	2.2	10	1	ug/L	138597		12/31/04 0804	tds
	Iron	560		38	120	1	ug/L	138597		12/31/04 0804	tds
	Magnesium	5000		8.1	100	1	ug/L	138597		12/31/04 0804	tds
	Manganese	18		0.41	10	1	ug/L	138597		12/31/04 0804	tds
	Nickel	10	U	1.0	10	1	ug/L	138597		12/31/04 0804	tds
	Potassium	1200		66	500	1	ug/L	138597		12/31/04 0804	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

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	138597		12/31/04 0804	tds
	Silver	10	U	0.72	10	1	ug/L	138597		12/31/04 0804	tds
	Sodium	1200	B	490	1500	1	ug/L	138597		12/31/04 0804	tds
	Vanadium	10	U	1.0	10	1	ug/L	138597		12/31/04 0804	tds
	Zinc	6.0	B	1.6	30	1	ug/L	138597		12/31/04 0804	tds

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 01/06/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYMAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-004-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water			Laboratory Sample ID: 232789-6 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	138164		12/21/04 0643	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	138164		12/21/04 0643	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138164		12/21/04 0643	kdl
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	138164		12/21/04 0643	kdl
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	138164		12/21/04 0643	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138164		12/21/04 0643	kdl

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-004-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water			Laboratory Sample ID: 232789-6 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	138210		12/20/04 1832	png
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	138210		12/20/04 1832	png
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	138210		12/20/04 1832	png
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	138210		12/20/04 1832	png
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	138210		12/20/04 1832	png
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	138210		12/20/04 1832	png
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	138210		12/20/04 1832	png

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elise

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics											
	Chloromethane	1.0		U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Vinyl chloride	1.0		U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Bromomethane	1.0		U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Chloroethane	1.0		U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,1-Dichloroethene	1.0		U	0.12	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Carbon disulfide	5.0		U	0.20	5.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Acetone	10		U	1.8	10	1.00000	ug/L	137580		12/19/04 0446	ema
	Methylene chloride	1.5		U	0.35	1.5	1.00000	ug/L	137580		12/19/04 0446	ema
	trans-1,2-Dichloroethene	1.0		U	0.14	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,1-Dichloroethane	1.0		U	0.11	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	cis-1,2-Dichloroethene	1.0		U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	2-Butanone (MEK)	10		U	1.2	10	1.00000	ug/L	137580		12/19/04 0446	ema
	Bromochloromethane	1.0		U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Chloroform	1.0		U	0.11	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,1,1-Trichloroethane	1.0		U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Carbon tetrachloride	1.0		U	0.13	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Benzene	1.0		U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,2-Dichloroethane	1.0		U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Trichloroethene	1.0		U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,2-Dichloropropane	1.0		U	0.12	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Bromodichloromethane	1.0		U	0.11	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	cis-1,3-Dichloropropene	1.0		U	0.12	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	4-Methyl-2-pentanone (MIBK)	10		U	0.65	10	1.00000	ug/L	137580		12/19/04 0446	ema
	Toluene	1.0		U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	trans-1,3-Dichloropropene	1.0		U	0.15	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,1,2-Trichloroethane	1.0		U	0.15	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Tetrachloroethene	1.0		U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	2-Hexanone	10		U	0.53	10	1.00000	ug/L	137580		12/19/04 0446	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAMP 14 AGCS

ATTN: Eric Elits

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137580		12/19/04 0446	ema
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137580		12/19/04 0446	ema
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137580		12/19/04 0446	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138783		12/27/04 1748	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.078	0.48	1.00000	ug/L	138783		12/27/04 1748	glr
	Hexachloroethane, Low Level Water	4.8	U		0.59	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.096	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	2-Chlorophenol, Low Level Water	4.8	U		0.12	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Nitrobenzene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138783		12/27/04 1748	glr
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	Hexachlorobutadiene, Low Level Water	4.8	U		0.62	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Naphthalene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	2,4-Dichlorophenol, Low Level Water	9.6	U		0.87	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	4-Chloroaniline, Low Level Water	9.6	U		2.7	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		1.3	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	138783		12/27/04 1748	glr
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	138783		12/27/04 1748	glr
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1748	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		2.3	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	138783		12/27/04 1748	glr
	2-Nitrophenol, Low Level Water	9.6	U		0.79	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	3-Nitroaniline, Low Level Water	9.6	U		2.0	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	138783		12/27/04 1748	glr
	Acenaphthylene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	Acenaphthene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	138783		12/27/04 1748	glr
	Fluorene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	4-Nitroaniline, Low Level Water	9.6	U		2.2	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Hexachlorobenzene, Low Level Water	0.48	U		0.093	0.48	1.00000	ug/L	138783		12/27/04 1748	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.72	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Pentachlorophenol, Low Level Water	9.6	U		1.6	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138783		12/27/04 1748	glr
	Phenanthrene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	Anthracene, Low Level Water	0.96	U		0.14	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.35	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Fluoranthene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	Pyrene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	138783		12/27/04 1748	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	138783		12/27/04 1748	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	138783		12/27/04 1748	glr
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	138783		12/27/04 1748	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	138783		12/27/04 1748	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	138783		12/27/04 1748	glr
	Di-n-octyl phthalate, Low Level Water	9.6	U		2.4	9.6	1.00000	ug/L	138783		12/27/04 1748	glr
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	138783		12/27/04 1748	glr
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	138783		12/27/04 1748	glr
	Benzo(a)pyrene, Low Level Water	0.38	U		0.081	0.38	1.00000	ug/L	138783		12/27/04 1748	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.083	0.38	1.00000	ug/L	138783		12/27/04 1748	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	138783		12/27/04 1748	glr
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.18	0.96	1.00000	ug/L	138783		12/27/04 1748	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	138447		12/29/04 1743	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	138447		12/29/04 1743	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	138447		12/29/04 1743	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	138447		12/29/04 1743	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	138447		12/29/04 1743	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	138447		12/29/04 1743	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	138447		12/29/04 1743	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	138447		12/29/04 1743	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	138447		12/29/04 1743	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	138447		12/29/04 1743	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	138447		12/29/04 1743	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	138447		12/29/04 1743	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	138447		12/29/04 1743	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	138447		12/29/04 1743	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/10/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-004-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-6
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	137366		12/16/04 1203	mtb

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP TA AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-006-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232829-3 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137685		12/21/04 0120	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137730		12/20/04 1539	daj
7421	Lead (GFAA) Lead	1.1		B	0.79	3.0	1	ug/L	137991		12/22/04 1714	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137972		12/22/04 1217	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1603	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	470			24	150	1	ug/L	138597		12/31/04 0924	tds
	Barium	19			1.3	10	1	ug/L	138597		12/31/04 0924	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0924	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0924	tds
	Calcium	24000			9.5	100	1	ug/L	138597		12/31/04 0924	tds
	Chromium	1.1		B	1.1	10	1	ug/L	138597		12/31/04 0924	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138597		12/31/04 0924	tds
	Copper	10		U	2.2	10	1	ug/L	138597		12/31/04 0924	tds
	Iron	490			38	120	1	ug/L	138597		12/31/04 0924	tds
	Magnesium	4800			8.1	100	1	ug/L	138597		12/31/04 0924	tds
	Manganese	4.0		B	0.41	10	1	ug/L	138597		12/31/04 0924	tds
	Nickel	10		U	1.0	10	1	ug/L	138597		12/31/04 0924	tds
	Potassium	1100			66	500	1	ug/L	138597		12/31/04 0924	tds

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-006-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232829-3 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	138597		12/31/04 0924	tds
	Silver	10	U		0.72	10	1	ug/L	138597		12/31/04 0924	tds
	Sodium	1600			490	1500	1	ug/L	138597		12/31/04 0924	tds
	Vanadium	10	U		1.0	10	1	ug/L	138597		12/31/04 0924	tds
	Zinc	8.6	B		1.6	30	1	ug/L	138597		12/31/04 0924	tds

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/30/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-006-SW			Laboratory Sample ID: 232829-3									
Date Sampled: 12/15/2004			Date Received: 12/16/2004									
Time Sampled: 11:15			Time Received: 09:00									
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	138518		12/21/04 1145	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138518		12/21/04 1145	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138518		12/21/04 1145	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	138518		12/21/04 1145	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138518		12/21/04 1145	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	138518		12/21/04 1145	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138518		12/21/04 1145	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138518		12/21/04 1145	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	138518		12/21/04 1145	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138518		12/21/04 1145	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	138518		12/21/04 1145	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	138518		12/21/04 1145	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138518		12/21/04 1145	kdl

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-006-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232829-3 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57		U	0.17	0.57	1.00000	ug/L	138210		12/20/04 2149	pjs
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	138210		12/20/04 2149	pjs
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	138210		12/20/04 2149	pjs
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	138210		12/20/04 2149	pjs
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	138210		12/20/04 2149	pjs
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	138210		12/20/04 2149	pjs
	Aroclor 1260	0.57		U	0.16	0.57	1.00000	ug/L	138210		12/20/04 2149	pjs

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS							Date: 12/29/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-006-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232829-3 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	138291		12/28/04 1323	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	138291		12/28/04 1323	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	138291		12/28/04 1323	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	138291		12/28/04 1323	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	138291		12/28/04 1323	jdj

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-006-SW			Laboratory Sample ID: 232829-3									
Date Sampled.....: 12/15/2004			Date Received.....: 12/16/2004									
Time Sampled.....: 11:15			Time Received.....: 09:00									
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	138291		12/28/04 1323	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	138291		12/28/04 1323	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVMAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-006-SW
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-3
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138792		12/27/04 1944	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	138792		12/27/04 1944	glr
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138792		12/27/04 1944	glr
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.63	19	1.00000	ug/L	138792		12/27/04 1944	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	138792		12/27/04 1944	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138792		12/27/04 1944	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: L10sw-006-SW
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-3
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	138792		12/27/04 1944	glr
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	138792		12/27/04 1944	glr
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	138792		12/27/04 1944	glr
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	138792		12/27/04 1944	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138792		12/27/04 1944	glr
	Phenanthrene, Low Level Water	0.41	J	a	0.14	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Fluoranthene, Low Level Water	0.83	J	a	0.14	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	Pyrene, Low Level Water	0.64	J	a	0.12	0.97	1.00000	ug/L	138792		12/27/04 1944	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	138792		12/27/04 1944	glr
	Benzo(a)anthracene, Low Level Water	0.40	J	a	0.048	0.19	1.00000	ug/L	138792		12/27/04 1944	glr
	Chrysene, Low Level Water	0.48	J	a	0.044	0.49	1.00000	ug/L	138792		12/27/04 1944	glr

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date:01/05/2005				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-006-SW			Laboratory Sample ID: 232829-3									
Date Sampled.....: 12/15/2004			Date Received.....: 12/16/2004									
Time Sampled.....: 11:15			Time Received.....: 09:00									
Sample Matrix.....: Water												
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	138792		12/27/04 1944	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	138792		12/27/04 1944	glr
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	138792		12/27/04 1944	glr
	Benzo(b)fluoranthene, Low Level Water	0.64	J	H	0.065	0.39	1.00000	ug/L	138792		12/27/04 1944	glr
	Benzo(k)fluoranthene, Low Level Water	0.25	J	M	0.070	0.39	1.00000	ug/L	138792		12/27/04 1944	glr
	Benzo(a)pyrene, Low Level Water	0.45	J		0.082	0.39	1.00000	ug/L	138792		12/27/04 1944	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.32	J		0.083	0.39	1.00000	ug/L	138792		12/27/04 1944	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	138792		12/27/04 1944	glr
	Benzo(ghi)perylene, Low Level Water	0.38	J	a	0.18	0.97	1.00000	ug/L	138792		12/27/04 1944	glr

* In Description = Dry Wgt.

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Job Number: 232829		LABORATORY TEST RESULTS						Date: 12/30/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-006-SW Date Sampled.....: 12/15/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232829-3 Date Received.....: 12/16/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	138521		12/29/04 2203	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	138521		12/29/04 2203	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	138521		12/29/04 2203	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	138521		12/29/04 2203	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	138521		12/29/04 2203	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	138521		12/29/04 2203	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	138521		12/29/04 2203	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	138521		12/29/04 2203	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	138521		12/29/04 2203	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	138521		12/29/04 2203	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	138521		12/29/04 2203	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	138521		12/29/04 2203	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	138521		12/29/04 2203	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	138521		12/29/04 2203	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232829

Date: 01/10/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-006-SW
 Date Sampled.....: 12/15/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232829-3
 Date Received.....: 12/16/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	137793		12/20/04 1242	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-007-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-1
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	2.5		B	2.5	7.5	1	ug/L	137685		12/20/04 2236	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137730		12/20/04 1251	daj
7421	Lead (GFAA) Lead	5.1			0.79	3.0	1	ug/L	137991		12/22/04 1056	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137838		12/21/04 1947	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1531	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	360			24	150	1	ug/L	138597		12/31/04 0739	tds
	Barium	20			1.3	10	1	ug/L	138597		12/31/04 0739	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0739	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0739	tds
	Calcium	25000			9.5	100	1	ug/L	138597		12/31/04 0739	tds
	Chromium	10		U	1.1	10	1	ug/L	138597		12/31/04 0739	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138597		12/31/04 0739	tds
	Copper	10		U	2.2	10	1	ug/L	138597		12/31/04 0739	tds
	Iron	440			38	120	1	ug/L	138597		12/31/04 0739	tds
	Magnesium	4600			8.1	100	1	ug/L	138597		12/31/04 0739	tds
	Manganese	11			0.41	10	1	ug/L	138597		12/31/04 0739	tds
	Nickel	10		U	1.0	10	1	ug/L	138597		12/31/04 0739	tds
	Potassium	1200			66	500	1	ug/L	138597		12/31/04 0739	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-007-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-1
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	3.0	15	1	ug/L	138597		12/31/04 0739	tds
	Silver	10		U	0.72	10	1	ug/L	138597		12/31/04 0739	tds
	Sodium	1600			490	1500	1	ug/L	138597		12/31/04 0739	tds
	Vanadium	1.1		B	1.0	10	1	ug/L	138597		12/31/04 0739	tds
	Zinc	5.7		B	1.6	30	1	ug/L	138597		12/31/04 0739	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232789				Date: 01/06/2005								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Elise				
Customer Sample ID: L10sw-007-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water						Laboratory Sample ID: 232789-1 Date Received.....: 12/15/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	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	138164		12/21/04 0528	kdL
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0528	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138164		12/21/04 0528	kdL
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	138164		12/21/04 0528	kdL
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0528	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	138164		12/21/04 0528	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138164		12/21/04 0528	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138164		12/21/04 0528	kdL
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	138164		12/21/04 0528	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138164		12/21/04 0528	kdL
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	138164		12/21/04 0528	kdL
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	138164		12/21/04 0528	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138164		12/21/04 0528	kdL

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 12/29/2004					
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AGCS				ATTN: Eric Ellis						
Customer Sample ID: L10sw-007-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water			Laboratory Sample ID: 232789-1 Date Received.....: 12/15/2004 Time Received.....: 09:00										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8082	PCB Analysis												
	Aroclor 1016	0.57	U		0.17	0.57	1.00000	ug/L	138210		12/20/04 1717	pjg	
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	138210		12/20/04 1717	pjg	
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	138210		12/20/04 1717	pjg	
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	138210		12/20/04 1717	pjg	
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	138210		12/20/04 1717	pjg	
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	138210		12/20/04 1717	pjg	
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	138210		12/20/04 1717	pjg	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10sw-007-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-1
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics										
	Chloromethane	1.0	U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Vinyl chloride	1.0	U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Bromomethane	1.0	U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Chloroethane	1.0	U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,1-Dichloroethene	1.0	U	0.12	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Carbon disulfide	5.0	U	0.20	5.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Acetone	10	U	1.8	10	1.00000	ug/L	137580		12/19/04 0340	ema
	Methylene chloride	1.5	U	0.35	1.5	1.00000	ug/L	137580		12/19/04 0340	ema
	trans-1,2-Dichloroethene	1.0	U	0.14	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,1-Dichloroethane	1.0	U	0.11	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	cis-1,2-Dichloroethene	1.0	U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	2-Butanone (MEK)	10	U	1.2	10	1.00000	ug/L	137580		12/19/04 0340	ema
	Bromochloromethane	1.0	U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Chloroform	1.0	U	0.11	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,1,1-Trichloroethane	1.0	U	0.080	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Carbon tetrachloride	1.0	U	0.13	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Benzene	1.0	U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,2-Dichloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Trichloroethene	1.0	U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,2-Dichloropropane	1.0	U	0.12	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Bromodichloromethane	1.0	U	0.11	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	cis-1,3-Dichloropropene	1.0	U	0.12	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	4-Methyl-2-pentanone (MIBK)	10	U	0.65	10	1.00000	ug/L	137580		12/19/04 0340	ema
	Toluene	1.0	U	0.10	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	trans-1,3-Dichloropropene	1.0	U	0.15	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,1,2-Trichloroethane	1.0	U	0.15	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Tetrachloroethene	1.0	U	0.090	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	2-Hexanone	10	U	0.53	10	1.00000	ug/L	137580		12/19/04 0340	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: HKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elliott

Customer Sample ID: L10sw-007-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-1
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137580		12/19/04 0340	ema
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137580		12/19/04 0340	ema
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137580		12/19/04 0340	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-007-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-1
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9		U	0.34	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9		U	0.29	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	1,3-Dichlorobenzene, Low Level Water	1.9		U	0.42	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	1,4-Dichlorobenzene, Low Level Water	1.9		U	0.32	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	1,2-Dichlorobenzene, Low Level Water	1.9		U	0.34	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Benzyl alcohol, Low Level Water	19		U	2.1	19	1.00000	ug/L	138783		12/27/04 1638	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9		U	0.25	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9		U	0.27	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49		U	0.079	0.49	1.00000	ug/L	138783		12/27/04 1638	glr
	Hexachloroethane, Low Level Water	4.9		U	0.59	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9		U	0.097	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	2-Chlorophenol, Low Level Water	4.9		U	0.12	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Nitrobenzene, Low Level Water	0.97		U	0.16	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9		U	0.30	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9		U	0.33	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Benzoic acid, Low Level Water	19		U	2.9	19	1.00000	ug/L	138783		12/27/04 1638	glr
	Isophorone, Low Level Water	1.9		U	0.25	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	2,4-Dimethylphenol, Low Level Water	9.7		U	1.3	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	Hexachlorobutadiene, Low Level Water	4.9		U	0.62	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Naphthalene, Low Level Water	0.97		U	0.16	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	2,4-Dichlorophenol, Low Level Water	9.7		U	0.88	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	4-Chloroaniline, Low Level Water	9.7		U	2.7	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9		U	0.20	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7		U	1.4	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	Hexachlorocyclopentadiene, Low Level Water	19		U	0.63	19	1.00000	ug/L	138783		12/27/04 1638	glr
	2-Methylnaphthalene, Low Level Water	0.49		U	0.13	0.49	1.00000	ug/L	138783		12/27/04 1638	glr
	2-Nitroaniline, Low Level Water	4.9		U	0.21	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	2-Chloronaphthalene, Low Level Water	1.9		U	0.25	1.9	1.00000	ug/L	138783		12/27/04 1638	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: NKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-007-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-1
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	138783		12/27/04 1638	glr
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	138783		12/27/04 1638	glr
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	138783		12/27/04 1638	glr
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	138783		12/27/04 1638	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138783		12/27/04 1638	glr
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1638	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	138783		12/27/04 1638	glr
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	138783		12/27/04 1638	glr

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 01/05/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADES				ATTN: Eric Ellis					
Customer Sample ID: L10sw-007-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water			Laboratory Sample ID: 232789-1 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.70	4.9	1.00000	ug/L	138783		12/27/04 1638	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	138783		12/27/04 1638	glr
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	138783		12/27/04 1638	glr
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	138783		12/27/04 1638	glr
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	138783		12/27/04 1638	glr
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	138783		12/27/04 1638	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	138783		12/27/04 1638	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	138783		12/27/04 1638	glr
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	138783		12/27/04 1638	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-007-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-1
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.38	U		0.084	0.38	1.00000	ug/L	138447		12/30/04 0843	san
	RDX	0.25	U		0.079	0.25	1.00000	ug/L	138447		12/30/04 0843	san
	1,3,5-Trinitrobenzene	0.25	U		0.072	0.25	1.00000	ug/L	138447		12/30/04 0843	san
	1,3-Dinitrobenzene	0.25	U		0.068	0.25	1.00000	ug/L	138447		12/30/04 0843	san
	Nitrobenzene	0.20	U		0.054	0.20	1.00000	ug/L	138447		12/30/04 0843	san
	2,4,6-TNT	0.31	U		0.096	0.31	1.00000	ug/L	138447		12/30/04 0843	san
	Tetryl	0.96	U		0.20	0.96	1.00000	ug/L	138447		12/30/04 0843	san
	2,4-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	138447		12/30/04 0843	san
	2,6-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	138447		12/30/04 0843	san
	2-Amino-4,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	138447		12/30/04 0843	san
	4-Amino-2,6-Dinitrotoluene	0.41	U		0.14	0.41	1.00000	ug/L	138447		12/30/04 0843	san
	2-Nitrotoluene	0.38	U		0.11	0.38	1.00000	ug/L	138447		12/30/04 0843	san
	4-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	138447		12/30/04 0843	san
	3-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	138447		12/30/04 0843	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.2	U		0.18	1.2	1.00000	ug/L	138442		12/21/04 1256	san

* In Description = Dry Wgt.

Page 2

STL CHICAGO

Client Sample ID: L10sw-007-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L150216-001 Work Order #...: G04R61AC Matrix.....: WATER
Date Sampled...: 12/14/04 10:50 Date Received...: 12/15/04
Prep Date.....: 12/27/04 Analysis Date...: 12/27/04
Prep Batch #...: 4362276
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: L10sw-007-SW

General Chemistry

Lot-Sample #...: G4L150216-001 Work Order #...: G04R6
Date Sampled...: 12/14/04 10:50 Date Received...: 12/15/04

Matrix.....: WATER

<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
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol...: 40 mL	
		MDL.....: 0.12				

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Job Number: 232789		LABORATORY TEST RESULTS						Date:01/10/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-007-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water			Laboratory Sample ID: 232789-1 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010		U	0.0044	0.010	1	mg/L	137366		12/16/04 1200	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-008-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-2
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137685		12/20/04 2248	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137730		12/20/04 1303	daj
7421	Lead (GFAA) Lead	4.3			0.79	3.0	1	ug/L	137991		12/22/04 1108	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137838		12/21/04 1959	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1533	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	380			24	150	1	ug/L	138597		12/31/04 0745	tds
	Barium	19			1.3	10	1	ug/L	138597		12/31/04 0745	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0745	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0745	tds
	Calcium	28000			9.5	100	1	ug/L	138597		12/31/04 0745	tds
	Chromium	10		U	1.1	10	1	ug/L	138597		12/31/04 0745	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138597		12/31/04 0745	tds
	Copper	10		U	2.2	10	1	ug/L	138597		12/31/04 0745	tds
	Iron	470			38	120	1	ug/L	138597		12/31/04 0745	tds
	Magnesium	5000			8.1	100	1	ug/L	138597		12/31/04 0745	tds
	Manganese	10			0.41	10	1	ug/L	138597		12/31/04 0745	tds
	Nickel	10		U	1.0	10	1	ug/L	138597		12/31/04 0745	tds
	Potassium	1100			66	500	1	ug/L	138597		12/31/04 0745	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: NKM Engineers, Inc.

PROJECT: USAGE RYAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-008-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-2
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	138597		12/31/04 0745	tds
	Silver	10	U		0.72	10	1	ug/L	138597		12/31/04 0745	tds
	Sodium	1500	B		490	1500	1	ug/L	138597		12/31/04 0745	tds
	Vanadium	10	U		1.0	10	1	ug/L	138597		12/31/04 0745	tds
	Zinc	5.9	B		1.6	30	1	ug/L	138597		12/31/04 0745	tds

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS					Date: 01/06/2005					
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RYAAP 1A AGCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-008-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232789-2 Date Received.....: 12/15/2004 Time Received.....: 09:00									
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		0.044	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	beta-BHC	0.094	U		0.026	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	delta-BHC	0.094	U		0.024	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	Aldrin	0.094	U		0.026	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	Endosulfan I	0.094	U		0.020	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	Dieldrin	0.094	U		0.017	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	4,4'-DDE	0.094	U		0.022	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	Endrin	0.094	U		0.016	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	138164		12/21/04 0553	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	138164		12/21/04 0553	kdL
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	138164		12/21/04 0553	kdL
	gamma-Chlordane	0.094	U		0.016	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	138164		12/21/04 0553	kdL
	Endrin ketone	0.094	U		0.027	0.094	1.00000	ug/L	138164		12/21/04 0553	kdL
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	138164		12/21/04 0553	kdL

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-008-SW Date Sampled: 12/14/2004 Time Sampled: 09:45 Sample Matrix: Water			Laboratory Sample ID: 232789-2 Date Received: 12/15/2004 Time Received: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	0.57		U	0.17	0.57	1.00000	ug/L	138210		12/20/04 1742	pjg
	Aroclor 1016	1.2		U	0.40	1.2	1.00000	ug/L	138210		12/20/04 1742	pjg
	Aroclor 1221	1.2		U	0.33	1.2	1.00000	ug/L	138210		12/20/04 1742	pjg
	Aroclor 1232	1.2		U	0.41	1.2	1.00000	ug/L	138210		12/20/04 1742	pjg
	Aroclor 1242	1.4		U	0.45	1.4	1.00000	ug/L	138210		12/20/04 1742	pjg
	Aroclor 1248	1.2		U	0.33	1.2	1.00000	ug/L	138210		12/20/04 1742	pjg
	Aroclor 1254	0.57		U	0.16	0.57	1.00000	ug/L	138210		12/20/04 1742	pjg
	Aroclor 1260											

* In Description = Dry Mgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellits

Customer Sample ID: L10sw-008-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-2
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Acetone	10	U		1.8	10	1.00000	ug/L	137580		12/19/04 0402	ema
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137580		12/19/04 0402	ema
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	cis-1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137580		12/19/04 0402	ema
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137580		12/19/04 0402	ema
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137580		12/19/04 0402	ema

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-008-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232789-2 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137580		12/19/04 0402	ema
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	137580		12/19/04 0402	ema
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137580		12/19/04 0402	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-008-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-2
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDC	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138783		12/27/04 1702	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	138783		12/27/04 1702	glr
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138783		12/27/04 1702	glr
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.63	19	1.00000	ug/L	138783		12/27/04 1702	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	138783		12/27/04 1702	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1702	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date:01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-008-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-2
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	138783		12/27/04 1702	glr
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	138783		12/27/04 1702	glr
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	138783		12/27/04 1702	glr
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	138783		12/27/04 1702	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138783		12/27/04 1702	glr
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1702	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	138783		12/27/04 1702	glr
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	138783		12/27/04 1702	glr

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date:01/05/2005				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-008-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232789-2 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9		U	0.70	4.9	1.00000	ug/L	138783		12/27/04 1702	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15		U	3.8	15	1.00000	ug/L	138783		12/27/04 1702	glr
	Di-n-octyl phthalate, Low Level Water	9.7		U	2.4	9.7	1.00000	ug/L	138783		12/27/04 1702	glr
	Benzo(b)fluoranthene, Low Level Water	0.39		U	0.065	0.39	1.00000	ug/L	138783		12/27/04 1702	glr
	Benzo(k)fluoranthene, Low Level Water	0.39		U	0.070	0.39	1.00000	ug/L	138783		12/27/04 1702	glr
	Benzo(a)pyrene, Low Level Water	0.39		U	0.082	0.39	1.00000	ug/L	138783		12/27/04 1702	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39		U	0.083	0.39	1.00000	ug/L	138783		12/27/04 1702	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39		U	0.13	0.39	1.00000	ug/L	138783		12/27/04 1702	glr
	Benzo(ghi)perylene, Low Level Water	0.97		U	0.18	0.97	1.00000	ug/L	138783		12/27/04 1702	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-008-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-2
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.38	U		0.084	0.38	1.00000	ug/L	138447		12/29/04 1606	san
	RDX	0.25	U		0.079	0.25	1.00000	ug/L	138447		12/29/04 1606	san
	1,3,5-Trinitrobenzene	0.25	U		0.072	0.25	1.00000	ug/L	138447		12/29/04 1606	san
	1,3-Dinitrobenzene	0.25	U		0.068	0.25	1.00000	ug/L	138447		12/29/04 1606	san
	Nitrobenzene	0.20	U		0.054	0.20	1.00000	ug/L	138447		12/29/04 1606	san
	2,4,6-TNT	0.31	U		0.096	0.31	1.00000	ug/L	138447		12/29/04 1606	san
	Tetryl	0.96	U		0.20	0.96	1.00000	ug/L	138447		12/29/04 1606	san
	2,4-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	138447		12/29/04 1606	san
	2,6-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	138447		12/29/04 1606	san
	2-Amino-4,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	138447		12/29/04 1606	san
	4-Amino-2,6-Dinitrotoluene	0.41	U		0.14	0.41	1.00000	ug/L	138447		12/29/04 1606	san
	2-Nitrotoluene	0.38	U		0.11	0.38	1.00000	ug/L	138447		12/29/04 1606	san
	4-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	138447		12/29/04 1606	san
	3-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	138447		12/29/04 1606	san

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 01/10/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: L10sw-008-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232789-2 Date Received.....: 12/15/2004 Time Received.....: 09:00										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	f	mg/L	137366		12/16/04 1201	mtb	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/07/2005

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elliott

Customer Sample ID: L10sw-009-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-3
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137685		12/20/04 2300	dej
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137730		12/20/04 1327	dej
7421	Lead (GFAA) Lead	4.4			0.79	3.0	1	ug/L	137991		12/22/04 1420	dej
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137838		12/21/04 2025	dej
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1535	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	300			24	150	1	ug/L	138597		12/31/04 0751	tds
	Barium	19			1.3	10	1	ug/L	138597		12/31/04 0751	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0751	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138597		12/31/04 0751	tds
	Calcium	31000			9.5	100	1	ug/L	138597		12/31/04 0751	tds
	Chromium	10		U	1.1	10	1	ug/L	138597		12/31/04 0751	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138597		12/31/04 0751	tds
	Copper	10		U	2.2	10	1	ug/L	138597		12/31/04 0751	tds
	Iron	400			38	120	1	ug/L	138597		12/31/04 0751	tds
	Magnesium	5400			8.1	100	1	ug/L	138597		12/31/04 0751	tds
	Manganese	7.7		B	0.41	10	1	ug/L	138597		12/31/04 0751	tds
	Nickel	10		U	1.0	10	1	ug/L	138597		12/31/04 0751	tds
	Potassium	1100			66	500	1	ug/L	138597		12/31/04 0751	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232789								Date:01/07/2005				
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10sw-009-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water						Laboratory Sample ID: 232789-3 Date Received.....: 12/15/2004 Time Received.....: 09:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	138597		12/31/04 0751	tds
	Silver	10	U		0.72	10	1	ug/L	138597		12/31/04 0751	tds
	Sodium	1500			490	1500	1	ug/L	138597		12/31/04 0751	tds
	Vanadium	10	U		1.0	10	1	ug/L	138597		12/31/04 0751	tds
	Zinc	4.5	B		1.6	30	1	ug/L	138597		12/31/04 0751	tds

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date:01/06/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-009-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water			Laboratory Sample ID: 232789-3 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	138164		12/21/04 0618	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	138164		12/21/04 0618	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138164		12/21/04 0618	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	138164		12/21/04 0618	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	138164		12/21/04 0618	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138164		12/21/04 0618	kdl

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 12/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-009-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water			Laboratory Sample ID: 232789-3 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57	U		0.17	0.57	1.00000	ug/L	138210		12/20/04 1807	pjg
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	138210		12/20/04 1807	pjg
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	138210		12/20/04 1807	pjg
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	138210		12/20/04 1807	pjg
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	138210		12/20/04 1807	pjg
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	138210		12/20/04 1807	pjg
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	138210		12/20/04 1807	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-009-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-3
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Acetone	10	U		1.8	10	1.00000	ug/L	137580		12/19/04 0424	ema
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137580		12/19/04 0424	ema
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137580		12/19/04 0424	ema
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137580		12/19/04 0424	ema
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137580		12/19/04 0424	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-009-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-3
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137580		12/19/04 0424	ema
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137580		12/19/04 0424	ema
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137580		12/19/04 0424	ema

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-009-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-3
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138783		12/27/04 1725	glr
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	138783		12/27/04 1725	glr
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138783		12/27/04 1725	glr
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.63	19	1.00000	ug/L	138783		12/27/04 1725	glr
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	138783		12/27/04 1725	glr
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138783		12/27/04 1725	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP-14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-009-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-3
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	138783		12/27/04 1725	glr
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	138783		12/27/04 1725	glr
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	138783		12/27/04 1725	glr
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	138783		12/27/04 1725	glr
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138783		12/27/04 1725	glr
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	138783		12/27/04 1725	glr
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	138783		12/27/04 1725	glr
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	138783		12/27/04 1725	glr

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232789

Date: 01/05/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-009-SW
 Date Sampled.....: 12/14/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232789-3
 Date Received.....: 12/15/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.70	4.9	1.00000	ug/L	138783		12/27/04 1725	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	138783		12/27/04 1725	glr
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	138783		12/27/04 1725	glr
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	138783		12/27/04 1725	glr
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	138783		12/27/04 1725	glr
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	138783		12/27/04 1725	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	138783		12/27/04 1725	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	138783		12/27/04 1725	glr
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	138783		12/27/04 1725	glr

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 12/30/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-009-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water			Laboratory Sample ID: 232789-3 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
B330	Explosives by 8330 (HPLC)											
	HMX	0.46	U		0.10	0.46	1.00000	ug/L	138447		12/29/04 1638	san
	RDX	0.30	U		0.095	0.30	1.00000	ug/L	138447		12/29/04 1638	san
	1,3,5-Trinitrobenzene	0.30	U		0.086	0.30	1.00000	ug/L	138447		12/29/04 1638	san
	1,3-Dinitrobenzene	0.30	U		0.082	0.30	1.00000	ug/L	138447		12/29/04 1638	san
	Nitrobenzene	0.24	U		0.065	0.24	1.00000	ug/L	138447		12/29/04 1638	san
	2,4,6-TNT	0.37	U		0.12	0.37	1.00000	ug/L	138447		12/29/04 1638	san
	Tetryl	1.2	U		0.24	1.2	1.00000	ug/L	138447		12/29/04 1638	san
	2,4-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	138447		12/29/04 1638	san
	2,6-Dinitrotoluene	0.64	U		0.21	0.64	1.00000	ug/L	138447		12/29/04 1638	san
	2-Amino-4,6-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	138447		12/29/04 1638	san
	4-Amino-2,6-Dinitrotoluene	0.49	U		0.17	0.49	1.00000	ug/L	138447		12/29/04 1638	san
	2-Nitrotoluene	0.46	U		0.14	0.46	1.00000	ug/L	138447		12/29/04 1638	san
	4-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	138447		12/29/04 1638	san
	3-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	138447		12/29/04 1638	san

* In Description = Dry Wgt.

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Job Number: 232789		LABORATORY TEST RESULTS						Date: 01/10/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-009-SW Date Sampled.....: 12/14/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water			Laboratory Sample ID: 232789-3 Date Received.....: 12/15/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	137366		12/16/04 1202	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: NCM Engineers, Inc.

PROJECT: USAGE: KYAAP 14 AODS

ATTN: Eric Elise

Customer Sample ID: L10sw-011-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-2
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	53			2.5	7.5	1	ug/L	135886		12/01/04 1840	daj
7060A	Arsenic (GFAA) Arsenic	89			2.6	10	5	ug/L	136355		12/06/04 1231	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	135793		11/30/04 1501	daj
7470A	Mercury (CVAA) Mercury	0.77			0.063	0.20	1	ug/L	135835		11/30/04 1646	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	12000			24	150	1	ug/L	136189		12/04/04 0020	tds
	Barium	270			1.3	10	1	ug/L	136189		12/04/04 0020	tds
	Beryllium	1.1		B	0.25	2.0	1	ug/L	136189		12/04/04 0020	tds
	Cadmium	0.91		B	0.25	2.0	1	ug/L	136189		12/04/04 0020	tds
	Calcium	52000			9.5	100	1	ug/L	136189		12/04/04 0020	tds
	Chromium	200			1.1	10	1	ug/L	136189		12/04/04 0020	tds
	Cobalt	4.0		B	0.80	5.0	1	ug/L	136189		12/04/04 0020	tds
	Copper	400			2.2	10	1	ug/L	136189		12/04/04 0020	tds
	Iron	14000			38	120	1	ug/L	136189		12/04/04 0020	tds
	Magnesium	8300			8.1	100	1	ug/L	136189		12/04/04 0020	tds
	Manganese	120			0.41	10	1	ug/L	136189		12/04/04 0020	tds
	Nickel	29			1.0	10	1	ug/L	136189		12/04/04 0020	tds
	Lead	10000			2.5	9.0	1	ug/L	136189		12/04/04 0020	tds
	Potassium	5800			66	500	1	ug/L	136189		12/04/04 0020	tds
	Selenium	3.0		B	3.0	15	1	ug/L	136189		12/04/04 0020	tds
	Silver	10		U	0.72	10	1	ug/L	136189		12/04/04 0020	tds

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-011-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232251-2 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium	1400	B		490	1500	1	ug/L	136189		12/04/04 0020	tds
	Vanadium	24			1.0	10	1	ug/L	136189		12/04/04 0020	tds
	Zinc	500			1.6	30	1	ug/L	136189		12/04/04 0020	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251 Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP TA AOC5 ATTN: Eric Ellits

Customer Sample ID: L10sw-011-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-2
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.044	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	beta-BHC	0.093	U		0.026	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	delta-BHC	0.093	U		0.023	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	gamma-BHC (Lindane)	0.14	U		0.039	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	Heptachlor	0.14	U		0.038	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	Aldrin	0.093	U		0.026	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	Endosulfan I	0.093	U		0.020	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	Dieldrin	0.093	U		0.017	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	4,4'-DDE	0.093	U		0.021	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	Endrin	0.093	U		0.016	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	Endosulfan II	0.14	U		0.039	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	136513		11/30/04 2043	kdl
	Endosulfan sulfate	0.14	U		0.041	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	Methoxychlor	0.56	U		0.16	0.56	1.00000	ug/L	136513		11/30/04 2043	kdl
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	136513		11/30/04 2043	kdl
	gamma-Chlordane	0.093	U		0.016	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	136513		11/30/04 2043	kdl
	Endrin ketone	0.093	U		0.027	0.093	1.00000	ug/L	136513		11/30/04 2043	kdl
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	136513		11/30/04 2043	kdl

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RMAMP 14 AODS				ATTN: Eric Elerts					
Customer Sample ID: L10sw-011-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232251-2 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.56		U	0.17	0.56	1.00000	ug/L	136487		11/30/04 1518	bjt
	Aroclor 1221	1.2		U	0.39	1.2	1.00000	ug/L	136487		11/30/04 1518	bjt
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	136487		11/30/04 1518	bjt
	Aroclor 1242	1.2		U	0.40	1.2	1.00000	ug/L	136487		11/30/04 1518	bjt
	Aroclor 1248	1.4		U	0.45	1.4	1.00000	ug/L	136487		11/30/04 1518	bjt
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	136487		11/30/04 1518	bjt
	Aroclor 1260	0.56		U	0.16	0.56	1.00000	ug/L	136487		11/30/04 1518	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-011-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-2
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Vinyl chloride	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Bromomethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Chloroethane	1.0	U	*	0.12	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,1-Dichloroethene	1.0	U		0.20	5.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Carbon disulfide	5.0	U	*	1.8	10	1.00000	ug/L	135800		11/30/04 2337	jdj
	Acetone	10	U		0.35	1.5	1.00000	ug/L	135800		11/30/04 2337	jdj
	Methylene chloride	1.5	U		0.14	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	trans-1,2-Dichloroethene	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,1-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	cis-1,2-Dichloroethene	1.0	U		1.2	10	1.00000	ug/L	135800		11/30/04 2337	jdj
	2-Butanone (MEK)	10	U		0.10	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Bromochloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Chloroform	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,1,1-Trichloroethane	1.0	U		0.13	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Carbon tetrachloride	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Benzene	1.0	U		0.10	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,2-Dichloroethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Trichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,2-Dichloropropane	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Bromodichloromethane	1.0	U		0.12	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	cis-1,3-Dichloropropene	1.0	U		0.65	10	1.00000	ug/L	135800		11/30/04 2337	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.10	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Toluene	1.0	U		0.15	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj	
1,1,2-Trichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj	
Tetrachloroethene	1.0	U		0.53	10	1.00000	ug/L	135800		11/30/04 2337	jdj	
2-Hexanone	10	U										

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS					Date: 12/07/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RMAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-011-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232251-2 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	135800		11/30/04 2337	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE R/V MAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: L10sw-011-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-2
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	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	136555		12/03/04 2107	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136555		12/03/04 2107	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136555		12/03/04 2107	dpk
	Hexachloroethane, Low Level Water	4.9	U	*	0.60	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136555		12/03/04 2107	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136555		12/03/04 2107	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136555		12/03/04 2107	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVNAP 14 ADDS

ARTH: Eric Ellis

Customer Sample ID: L10sw-011-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-2
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U	2.4	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U	0.11	0.49	1.00000	ug/L	136555		12/03/04 2107	dpk
	2-Nitrophenol, Low Level Water	9.8	U	0.80	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	3-Nitroaniline, Low Level Water	9.8	U	2.1	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	Dimethyl phthalate, Low Level Water	2.0	U	0.21	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,4-Dinitrophenol, Low Level Water	20	U	3.2	20	1.00000	ug/L	136555		12/03/04 2107	dpk
	Acenaphthylene, Low Level Water	0.98	U	0.12	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	Acenaphthene, Low Level Water	0.98	U	0.12	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	Dibenzofuran, Low Level Water	2.0	U	0.13	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	4-Nitrophenol, Low Level Water	20	U	3.6	20	1.00000	ug/L	136555		12/03/04 2107	dpk
	Fluorene, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	4-Nitroaniline, Low Level Water	9.8	U	2.3	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U	0.19	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	Hexachlorobenzene, Low Level Water	0.49	U	0.095	0.49	1.00000	ug/L	136555		12/03/04 2107	dpk
	Diethyl phthalate, Low Level Water	2.0	U	0.15	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U	0.74	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	Pentachlorophenol, Low Level Water	9.8	U	1.7	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U	2.4	20	1.00000	ug/L	136555		12/03/04 2107	dpk
	Phenanthrene, Low Level Water	0.15	J	0.14	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	Anthracene, Low Level Water	0.98	U	0.15	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	Carbazole, Low Level Water	4.9	U	0.28	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U	0.35	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	Fluoranthene, Low Level Water	0.37	J	0.14	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	Pyrene, Low Level Water	0.29	J	0.12	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U	0.38	2.0	1.00000	ug/L	136555		12/03/04 2107	dpk
	Benzo(a)anthracene, Low Level Water	0.17	J	0.048	0.20	1.00000	ug/L	136555		12/03/04 2107	dpk
	Chrysene, Low Level Water	0.22	J	0.044	0.49	1.00000	ug/L	136555		12/03/04 2107	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elifs

Customer Sample ID: L10sw-011-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-2
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	136555		12/03/04 2107	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	5.8	J		3.8	15	1.00000	ug/L	136555		12/03/04 2107	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	136555		12/03/04 2107	dpk
	Benzo(b)fluoranthene, Low Level Water	0.32	J	H	0.066	0.39	1.00000	ug/L	136555		12/03/04 2107	dpk
	Benzo(k)fluoranthene, Low Level Water	0.20	J		0.071	0.39	1.00000	ug/L	136555		12/03/04 2107	dpk
	Benzo(a)pyrene, Low Level Water	0.28	J		0.082	0.39	1.00000	ug/L	136555		12/03/04 2107	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.36	J		0.084	0.39	1.00000	ug/L	136555		12/03/04 2107	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.21	J		0.13	0.39	1.00000	ug/L	136555		12/03/04 2107	dpk
	Benzo(ghi)perylene, Low Level Water	0.36	J		0.19	0.98	1.00000	ug/L	136555		12/03/04 2107	dpk

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: ERIC ELLIS						
Customer Sample ID: L10sw-011-SW			Laboratory Sample ID: 232251-2									
Date Sampled.....: 11/23/2004			Date Received.....: 11/24/2004									
Time Sampled.....: 10:05			Time Received.....: 09:50									
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)											
	BMX	0.32	U		0.070	0.32	1.00000	ug/L	136467		11/30/04 1051	san
	RDX	0.21	U		0.066	0.21	1.00000	ug/L	136467		11/30/04 1051	san
	1,3,5-Trinitrobenzene	0.21	U		0.060	0.21	1.00000	ug/L	136467		11/30/04 1051	san
	1,3-Dinitrobenzene	0.21	U		0.057	0.21	1.00000	ug/L	136467		11/30/04 1051	san
	Nitrobenzene	0.17	U		0.045	0.17	1.00000	ug/L	136467		11/30/04 1051	san
	2,4,6-TNT	0.26	U		0.081	0.26	1.00000	ug/L	136467		11/30/04 1051	san
	Tetryl	0.81	U		0.17	0.81	1.00000	ug/L	136467		11/30/04 1051	san
	2,4-Dinitrotoluene	0.37	U		0.13	0.37	1.00000	ug/L	136467		11/30/04 1051	san
	2,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	136467		11/30/04 1051	san
	2-Amino-4,6-Dinitrotoluene	0.37	U		0.12	0.37	1.00000	ug/L	136467		11/30/04 1051	san
	4-Amino-2,6-Dinitrotoluene	0.34	U		0.12	0.34	1.00000	ug/L	136467		11/30/04 1051	san
	2-Nitrotoluene	0.32	U		0.096	0.32	1.00000	ug/L	136467		11/30/04 1051	san
	4-Nitrotoluene	0.32	U		0.10	0.32	1.00000	ug/L	136467		11/30/04 1051	san
	3-Nitrotoluene	0.32	U		0.10	0.32	1.00000	ug/L	136467		11/30/04 1051	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-011-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-2
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	135822		12/01/04 1220	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	OT FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	110		25	75	10	ug/L	136229		12/02/04 1018	daj
7060A	Arsenic (GFAA) Arsenic	140		5.1	20	10	ug/L	136355		12/06/04 1243	daj
7841	Thallium (GFAA) Thallium	4.0	U	1.3	4.0	1	ug/L	135793		11/30/04 1514	daj
7470A	Mercury (CVAA) Mercury	0.25		0.063	0.20	1	ug/L	135835		11/30/04 1648	gek
6010B	Metals Analysis (ICAP Trace)										
	Aluminum	4900		24	150	1	ug/L	136189		12/04/04 0026	tds
	Barium	190		1.3	10	1	ug/L	136189		12/04/04 0026	tds
	Beryllium	0.60	B	0.25	2.0	1	ug/L	136189		12/04/04 0026	tds
	Cadmium	6.1		0.25	2.0	1	ug/L	136189		12/04/04 0026	tds
	Calcium	50000		9.5	100	1	ug/L	136189		12/04/04 0026	tds
	Chromium	130		1.1	10	1	ug/L	136189		12/04/04 0026	tds
	Cobalt	1.6	B	0.80	5.0	1	ug/L	136189		12/04/04 0026	tds
	Copper	300		2.2	10	1	ug/L	136189		12/04/04 0026	tds
	Iron	8500		38	120	1	ug/L	136189		12/04/04 0026	tds
	Magnesium	5100		8.1	100	1	ug/L	136189		12/04/04 0026	tds
	Manganese	100		0.41	10	1	ug/L	136189		12/04/04 0026	tds
	Nickel	18		1.0	10	1	ug/L	136189		12/04/04 0026	tds
	Lead	13000		2.5	9.0	1	ug/L	136189		12/04/04 0026	tds
	Potassium	5400		66	500	1	ug/L	136189		12/04/04 0026	tds
	Selenium	15	U	3.0	15	1	ug/L	136189		12/04/04 0026	tds
	Silver	10	U	0.72	10	1	ug/L	136189		12/04/04 0026	tds

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-012-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:25 Sample Matrix.....: Water			Laboratory Sample ID: 232251-3 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium	1700			490	1500	1	ug/L	136189		12/04/04 0026	tds
	Vanadium	13			1.0	10	1	ug/L	136189		12/04/04 0026	tds
	Zinc	800			1.6	30	1	ug/L	136189		12/04/04 0026	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS							Date: 12/08/2004			
CUSTOMER: HKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10sw-012-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:25 Sample Matrix.....: Water				Laboratory Sample ID: 232251-3 Date Received.....: 11/24/2004 Time Received.....: 09:50								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136513		11/30/04 2109	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	136513		11/30/04 2109	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	136513		11/30/04 2109	kdl
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	136513		11/30/04 2109	kdl
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	136513		11/30/04 2109	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	136513		11/30/04 2109	kdl

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-012-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:25 Sample Matrix.....: Water			Laboratory Sample ID: 232251-3 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	136487		11/30/04 1553	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	136487		11/30/04 1553	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	136487		11/30/04 1553	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	136487		11/30/04 1553	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	136487		11/30/04 1553	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	136487		11/30/04 1553	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	136487		11/30/04 1553	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Elliott

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0000	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0000	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0000	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0000	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0000	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	135800		12/01/04 0000	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	REL	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	136555		12/03/04 2134	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136555		12/03/04 2134	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136555		12/03/04 2134	dpk
	Hexachloroethane, Low Level Water	4.9	U	*	0.60	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136555		12/03/04 2134	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136555		12/03/04 2134	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136555		12/03/04 2134	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: HDM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AGCS

ATTN: Eric ELLIS

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136555		12/03/04 2134	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	136555		12/03/04 2134	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	136555		12/03/04 2134	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	136555		12/03/04 2134	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.21	J		0.13	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136555		12/03/04 2134	dpk
	Phenanthrene, Low Level Water	0.31	J		0.14	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	Di-n-butyl phthalate, Low Level Water	3.0	J		0.35	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	Fluoranthene, Low Level Water	0.72	J		0.14	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	Pyrene, Low Level Water	0.91	J		0.12	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	136555		12/03/04 2134	dpk
	Benzo(a)anthracene, Low Level Water	0.41		M	0.048	0.20	1.00000	ug/L	136555		12/03/04 2134	dpk
	Chrysene, Low Level Water	1.1		M	0.044	0.49	1.00000	ug/L	136555		12/03/04 2134	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	136555		12/03/04 2134	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	19			3.8	15	1.00000	ug/L	136555		12/03/04 2134	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	136555		12/03/04 2134	dpk
	Benzo(b)fluoranthene, Low Level Water	1.1			0.066	0.39	1.00000	ug/L	136555		12/03/04 2134	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40		M	0.071	0.39	1.00000	ug/L	136555		12/03/04 2134	dpk
	Benzo(a)pyrene, Low Level Water	0.91			0.082	0.39	1.00000	ug/L	136555		12/03/04 2134	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.98			0.084	0.39	1.00000	ug/L	136555		12/03/04 2134	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.31	J		0.13	0.39	1.00000	ug/L	136555		12/03/04 2134	dpk
	Benzo(ghi)perylene, Low Level Water	0.87	J		0.19	0.98	1.00000	ug/L	136555		12/03/04 2134	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: ERIC ELLIS

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	BMX	0.50	U		0.11	0.50	1.00000	ug/L	136467		11/30/04 1123	san
	RDX	0.32	U		0.10	0.32	1.00000	ug/L	136467		11/30/04 1123	san
	1,3,5-Trinitrobenzene	0.32	U		0.094	0.32	1.00000	ug/L	136467		11/30/04 1123	san
	1,3-Dinitrobenzene	0.32	U		0.089	0.32	1.00000	ug/L	136467		11/30/04 1123	san
	Nitrobenzene	0.26	U		0.071	0.26	1.00000	ug/L	136467		11/30/04 1123	san
	2,4,6-TNT	0.40	U		0.13	0.40	1.00000	ug/L	136467		11/30/04 1123	san
	Tetryl	1.3	U		0.27	1.3	1.00000	ug/L	136467		11/30/04 1123	san
	2,4-Dinitrotoluene	0.58	U		0.20	0.58	1.00000	ug/L	136467		11/30/04 1123	san
	2,6-Dinitrotoluene	0.70	U		0.23	0.70	1.00000	ug/L	136467		11/30/04 1123	san
	2-Amino-4,6-Dinitrotoluene	0.58	U		0.19	0.58	1.00000	ug/L	136467		11/30/04 1123	san
	4-Amino-2,6-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	136467		11/30/04 1123	san
	2-Nitrotoluene	0.50	U		0.15	0.50	1.00000	ug/L	136467		11/30/04 1123	san
	4-Nitrotoluene	0.50	U		0.16	0.50	1.00000	ug/L	136467		11/30/04 1123	san
	3-Nitrotoluene	0.50	U		0.16	0.50	1.00000	ug/L	136467		11/30/04 1123	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-012-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-3
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010		U	0.0044	0.010	1	mg/L	135822		12/01/04 1221	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-014-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-4
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	110			25	75	10	ug/L	136229		12/02/04 1030	daj
7060A	Arsenic (GFAA) Arsenic	770			26	100	50	ug/L	136355		12/06/04 1254	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	135793		11/30/04 1527	daj
7470A	Mercury (CVAA) Mercury	0.58			0.063	0.20	1	ug/L	135835		11/30/04 1651	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	3600			24	150	1	ug/L	136189		12/04/04 0032	tds
	Barium	160			1.3	10	1	ug/L	136189		12/04/04 0032	tds
	Beryllium	0.28		B	0.25	2.0	1	ug/L	136189		12/04/04 0032	tds
	Cadmium	4.7			0.25	2.0	1	ug/L	136189		12/04/04 0032	tds
	Calcium	74000			9.5	100	1	ug/L	136189		12/04/04 0032	tds
	Chromium	71			1.1	10	1	ug/L	136189		12/04/04 0032	tds
	Cobalt	2.7		B	0.80	5.0	1	ug/L	136189		12/04/04 0032	tds
	Copper	400			2.2	10	1	ug/L	136189		12/04/04 0032	tds
	Iron	9400			38	120	1	ug/L	136189		12/04/04 0032	tds
	Magnesium	6700			8.1	100	1	ug/L	136189		12/04/04 0032	tds
	Manganese	210			0.41	10	1	ug/L	136189		12/04/04 0032	tds
	Nickel	50			1.0	10	1	ug/L	136189		12/04/04 0032	tds
	Lead	14000			2.5	9.0	1	ug/L	136189		12/04/04 0032	tds
	Potassium	6800			66	500	1	ug/L	136189		12/04/04 0032	tds
	Selenium	3.2		B	3.0	15	1	ug/L	136189		12/04/04 0032	tds
	Silver	10		U	0.72	10	1	ug/L	136189		12/04/04 0032	tds

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-014-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232251-4 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium	1700			490	1500	1	ug/L	136189		12/04/04 0032	tds
	Vanadium	6.2	B		1.0	10	1	ug/L	136189		12/04/04 0032	tds
	Zinc	700			1.6	30	1	ug/L	136189		12/04/04 0032	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251 Date: 12/08/2004

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

Customer Sample ID: L10sw-014-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-4
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.044	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	beta-BHC	0.093	U		0.026	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	delta-BHC	0.093	U		0.023	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	gamma-BHC (Lindane)	0.14	U		0.039	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	Heptachlor	0.14	U		0.038	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	Aldrin	0.093	U		0.026	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	Endosulfan I	0.093	U		0.020	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	Dieldrin	0.093	U		0.017	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	4,4'-DDE	0.093	U		0.021	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	Endrin	0.093	U		0.016	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	Endosulfan II	0.14	U		0.039	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	136513		11/30/04 2134	kdL
	Endosulfan sulfate	0.14	U		0.041	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	Methoxychlor	0.56	U		0.16	0.56	1.00000	ug/L	136513		11/30/04 2134	kdL
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	136513		11/30/04 2134	kdL
	gamma-Chlordane	0.093	U		0.016	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	136513		11/30/04 2134	kdL
	Endrin ketone	0.093	U		0.027	0.093	1.00000	ug/L	136513		11/30/04 2134	kdL
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	136513		11/30/04 2134	kdL

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251 Date: 12/08/2004

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

Customer Sample ID: L10sw-014-SW Laboratory Sample ID: 232251-4
 Date Sampled.....: 11/23/2004 Date Received.....: 11/24/2004
 Time Sampled.....: 09:30 Time Received.....: 09:50
 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	0.56	U		0.17	0.56	1.00000	ug/L	136487		11/30/04 1629	bjt
	Aroclor 1221	1.2	U		0.39	1.2	1.00000	ug/L	136487		11/30/04 1629	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	136487		11/30/04 1629	bjt
	Aroclor 1242	1.2	U		0.40	1.2	1.00000	ug/L	136487		11/30/04 1629	bjt
	Aroclor 1248	1.4	U		0.45	1.4	1.00000	ug/L	136487		11/30/04 1629	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	136487		11/30/04 1629	bjt
	Aroclor 1260	0.56	U		0.16	0.56	1.00000	ug/L	136487		11/30/04 1629	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: L10sw-014-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-4
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0023	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0023	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0023	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0023	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0023	jdj

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS					Date: 12/07/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 1& ADES			ATTN: Eric Ellis					
Customer Sample ID: L10sw-014-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232251-4 Date Received.....: 11/24/2004 Time Received.....: 09:50								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	135800		12/01/04 0023	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYKAP 14 AGCS

ATTN: Eric ELLIAs

Customer Sample ID: L10sw-014-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-4
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semi-volatile Organics											
	Phenol, Low Level Water	4.7	U		0.33	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.28	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	136555		12/03/04 2200	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.47	U		0.076	0.47	1.00000	ug/L	136555		12/03/04 2200	dpk
	Hexachloroethane, Low Level Water	4.7	U	*	0.58	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.094	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	2-Chlorophenol, Low Level Water	4.7	U		0.11	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Nitrobenzene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	Benzoic acid, Low Level Water	19	U		2.8	19	1.00000	ug/L	136555		12/03/04 2200	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,4-Dimethylphenol, Low Level Water	9.4	U		1.2	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	Hexachlorobutadiene, Low Level Water	4.7	U		0.60	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Naphthalene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,4-Dichlorophenol, Low Level Water	9.4	U		0.86	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	4-Chloroaniline, Low Level Water	9.4	U		2.6	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.7	U		0.20	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.4	U		1.3	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.61	19	1.00000	ug/L	136555		12/03/04 2200	dpk
	2-Methylnaphthalene, Low Level Water	0.47	U		0.12	0.47	1.00000	ug/L	136555		12/03/04 2200	dpk
	2-Nitroaniline, Low Level Water	4.7	U		0.21	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ROCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-014-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-4
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.4	U		2.3	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,6-Dinitrotoluene, Low Level Water	0.47	U		0.10	0.47	1.00000	ug/L	136555		12/03/04 2200	dpk
	2-Nitrophenol, Low Level Water	9.4	U		0.77	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	3-Nitroaniline, Low Level Water	9.4	U		2.0	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	136555		12/03/04 2200	dpk
	Acenaphthylene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	2,4-Dinitrotoluene, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	Acenaphthene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	136555		12/03/04 2200	dpk
	Fluorene, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	4-Nitroaniline, Low Level Water	9.4	U		2.2	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.7	U		0.18	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Hexachlorobenzene, Low Level Water	0.47	U		0.092	0.47	1.00000	ug/L	136555		12/03/04 2200	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.7	U		0.71	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Pentachlorophenol, Low Level Water	9.4	U		1.6	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	136555		12/03/04 2200	dpk
	Phenanthrene, Low Level Water	0.94	U		0.13	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	Anthracene, Low Level Water	0.94	U		0.14	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	Carbazole, Low Level Water	4.7	U		0.27	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Di-n-butyl phthalate, Low Level Water	4.7	U		0.34	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Fluoranthene, Low Level Water	0.13	J		0.13	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	Pyrene, Low Level Water	0.15	J		0.11	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	136555		12/03/04 2200	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.046	0.19	1.00000	ug/L	136555		12/03/04 2200	dpk
	Chrysene, Low Level Water	0.10	J		0.042	0.47	1.00000	ug/L	136555		12/03/04 2200	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-014-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-4
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.7	U	0.68	4.7	1.00000	ug/L	136555		12/03/04 2200	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U	3.7	14	1.00000	ug/L	136555		12/03/04 2200	dpk
	Di-n-octyl phthalate, Low Level Water	9.4	U	2.4	9.4	1.00000	ug/L	136555		12/03/04 2200	dpk
	Benzo(b)fluoranthene, Low Level Water	0.11	J	0.063	0.38	1.00000	ug/L	136555		12/03/04 2200	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U	0.068	0.38	1.00000	ug/L	136555		12/03/04 2200	dpk
	Benzo(a)pyrene, Low Level Water	0.10	J	0.079	0.38	1.00000	ug/L	136555		12/03/04 2200	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.14	J	0.081	0.38	1.00000	ug/L	136555		12/03/04 2200	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.13	J	0.12	0.38	1.00000	ug/L	136555		12/03/04 2200	dpk
	Benzo(ghi)perylene, Low Level Water	0.19	J	0.18	0.94	1.00000	ug/L	136555		12/03/04 2200	dpk

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP TA NOCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-014-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232251-4 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.56	U		0.12	0.56	1.00000	ug/L	136467		11/30/04 1156	san
	RDX	0.36	U		0.12	0.36	1.00000	ug/L	136467		11/30/04 1156	san
	1,3,5-Trinitrobenzene	0.36	U		0.11	0.36	1.00000	ug/L	136467		11/30/04 1156	san
	1,3-Dinitrobenzene	0.36	U		0.10	0.36	1.00000	ug/L	136467		11/30/04 1156	san
	Nitrobenzene	0.29	U		0.080	0.29	1.00000	ug/L	136467		11/30/04 1156	san
	2,4,6-TNT	0.45	U		0.14	0.45	1.00000	ug/L	136467		11/30/04 1156	san
	Tetryl	1.4	U		0.30	1.4	1.00000	ug/L	136467		11/30/04 1156	san
	2,4-Dinitrotoluene	0.65	U		0.22	0.65	1.00000	ug/L	136467		11/30/04 1156	san
	2,6-Dinitrotoluene	0.78	U		0.26	0.78	1.00000	ug/L	136467		11/30/04 1156	san
	2-Amino-4,6-Dinitrotoluene	0.65	U		0.22	0.65	1.00000	ug/L	136467		11/30/04 1156	san
	4-Amino-2,6-Dinitrotoluene	0.32	J	a	0.21	0.60	1.00000	ug/L	136467		11/30/04 1156	san
	2-Nitrotoluene	0.56	U		0.17	0.56	1.00000	ug/L	136467		11/30/04 1156	san
	4-Nitrotoluene	0.56	U		0.18	0.56	1.00000	ug/L	136467		11/30/04 1156	san
	3-Nitrotoluene	0.56	U		0.18	0.56	1.00000	ug/L	136467		11/30/04 1156	san

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS					Date: 12/17/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-014-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232251-4 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010		U	0.0044	0.010	1	mg/L	135822		12/01/04 1221	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: NCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-015-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 08:46
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-5
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	49			12	38	5	ug/L	136229		12/02/04 2146	daj
7060A	Arsenic (GFAA) Arsenic	40			1.0	4.0	2	ug/L	136355		12/06/04 1318	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	135793		11/30/04 1553	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	135835		11/30/04 1653	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	136189		12/04/04 0038	tds
	Barium	40			1.3	10	1	ug/L	136189		12/04/04 0038	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0038	tds
	Cadmium	0.25	B		0.25	2.0	1	ug/L	136189		12/04/04 0038	tds
	Calcium	25000			9.5	100	1	ug/L	136189		12/04/04 0038	tds
	Chromium	4.7	B		1.1	10	1	ug/L	136189		12/04/04 0038	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136189		12/04/04 0038	tds
	Copper	5.0	B		2.2	10	1	ug/L	136189		12/04/04 0038	tds
	Iron	300			38	120	1	ug/L	136189		12/04/04 0038	tds
	Magnesium	2300			8.1	100	1	ug/L	136189		12/04/04 0038	tds
	Manganese	56			0.41	10	1	ug/L	136189		12/04/04 0038	tds
	Nickel	10	U		1.0	10	1	ug/L	136189		12/04/04 0038	tds
	Lead	220			2.5	9.0	1	ug/L	136189		12/04/04 0038	tds
	Potassium	7400			66	500	1	ug/L	136189		12/04/04 0038	tds
	Selenium	15	U		3.0	15	1	ug/L	136189		12/04/04 0038	tds
	Silver	1.0	B		0.72	10	1	ug/L	136189		12/04/04 0038	tds

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-015-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 08:46 Sample Matrix.....: Water			Laboratory Sample ID: 232251-5 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	Sodium	2100		490	1500	1	ug/L	136189		12/04/04 0038	tds	
	Vanadium	10	U	1.0	10	1	ug/L	136189		12/04/04 0038	tds	
	Zinc	31		1.6	30	1	ug/L	136189		12/04/04 0038	tds	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-015-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 08:46
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-5
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136513		11/30/04 2159	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	136513		11/30/04 2159	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	136513		11/30/04 2159	kdl
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	136513		11/30/04 2159	kdl
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	136513		11/30/04 2159	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	136513		11/30/04 2159	kdl

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS					Date: 12/08/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AGCS			ATTN: Eric Elits						
Customer Sample ID: L10sw-015-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 08:46 Sample Matrix.....: Water			Laboratory Sample ID: 232251-5 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59		U	0.18	0.59	1.00000	ug/L	136487		11/30/04 1704	bjt
	Aroclor 1221	1.3		U	0.41	1.3	1.00000	ug/L	136487		11/30/04 1704	bjt
	Aroclor 1232	1.3		U	0.34	1.3	1.00000	ug/L	136487		11/30/04 1704	bjt
	Aroclor 1242	1.3		U	0.42	1.3	1.00000	ug/L	136487		11/30/04 1704	bjt
	Aroclor 1248	1.5		U	0.47	1.5	1.00000	ug/L	136487		11/30/04 1704	bjt
	Aroclor 1254	1.3		U	0.34	1.3	1.00000	ug/L	136487		11/30/04 1704	bjt
	Aroclor 1260	0.59		U	0.17	0.59	1.00000	ug/L	136487		11/30/04 1704	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-015-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 08:46
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-5
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0046	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0046	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0046	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0046	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0046	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0046	jdj

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/07/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RMAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-015-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 08:46 Sample Matrix.....: Water			Laboratory Sample ID: 232251-5 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	135800		12/01/04 0046	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-015-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 08:46
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-5
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136555		12/03/04 2226	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136555		12/03/04 2226	dpk
	Hexachloroethane, Low Level Water	4.9	U	*	0.60	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136555		12/03/04 2226	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136555		12/03/04 2226	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136555		12/03/04 2226	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-015-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 08:46
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-5
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136555		12/03/04 2226	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	136555		12/03/04 2226	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	136555		12/03/04 2226	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	136555		12/03/04 2226	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136555		12/03/04 2226	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	136555		12/03/04 2226	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	136555		12/03/04 2226	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136555		12/03/04 2226	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232251						Date: 12/08/2004						
CUSTOMER: M&M Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10sw-015-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 08:46 Sample Matrix.....: Water						Laboratory Sample ID: 232251-5 Date Received.....: 11/24/2004 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	136555		12/03/04 2226	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136555		12/03/04 2226	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	136555		12/03/04 2226	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	136555		12/03/04 2226	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	136555		12/03/04 2226	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136555		12/03/04 2226	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	136555		12/03/04 2226	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136555		12/03/04 2226	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	136555		12/03/04 2226	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-015-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 08:46
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-5
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	136467		11/30/04 1228	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	136467		11/30/04 1228	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	136467		11/30/04 1228	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	136467		11/30/04 1228	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	136467		11/30/04 1228	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	136467		11/30/04 1228	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	136467		11/30/04 1228	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		11/30/04 1228	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136467		11/30/04 1228	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		11/30/04 1228	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	136467		11/30/04 1228	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	136467		11/30/04 1228	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		11/30/04 1228	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		11/30/04 1228	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-015-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 08:46
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-5
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	135822		12/01/04 1222	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	880			120	380	50	ug/L	136643		12/08/04 1232	daj
7060A	Arsenic (GFAA) Arsenic	160			2.6	10	5	ug/L	136355		12/06/04 2148	daj
7421	Lead (GFAA) Lead	1300			40	150	50	ug/L	136730		12/09/04 1202	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	136346		12/07/04 0513	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137125		12/14/04 1500	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	43		B	24	150	1	ug/L	137184		12/15/04 1838	tds
	Barium	64			1.3	10	1	ug/L	137184		12/15/04 1838	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137184		12/15/04 1838	tds
	Cadmium	0.59		B	0.25	2.0	1	ug/L	137184		12/15/04 1838	tds
	Calcium	18000			9.5	100	1	ug/L	137184		12/15/04 1838	tds
	Chromium	9.4		B	1.1	10	1	ug/L	137184		12/15/04 1838	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137184		12/15/04 1838	tds
	Copper	51			2.2	10	1	ug/L	137184		12/15/04 1838	tds
	Iron	410			38	120	1	ug/L	137184		12/15/04 1838	tds
	Magnesium	1400			8.1	100	1	ug/L	137184		12/15/04 1838	tds
	Manganese	49			0.41	10	1	ug/L	137184		12/15/04 1838	tds
	Nickel	10		U	1.0	10	1	ug/L	137184		12/15/04 1838	tds
	Potassium	11000			66	500	1	ug/L	137184		12/15/04 1838	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: KIM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADES

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	3.0	15	1	ug/L	137184		12/15/04 1838	tds
	Silver	10		U	0.72	10	1	ug/L	137184		12/15/04 1838	tds
	Sodium	600		B	490	1500	1	ug/L	137184		12/15/04 1838	tds
	Vanadium	10		U	1.0	10	1	ug/L	137184		12/15/04 1838	tds
	Zinc	67			1.6	30	1	ug/L	137184		12/15/04 1838	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USAGE RYAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	EXT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	137225		12/15/04 0839	kdI
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	137225		12/15/04 0839	kdI
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	137225		12/15/04 0839	kdI
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	137225		12/15/04 0839	kdI
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	137225		12/15/04 0839	kdI
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	137225		12/15/04 0839	kdI

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364 Date: 12/16/2004

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

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis										
	Aroclor 1016	0.58	U	0.17	0.58	1.00000	ug/L	137237		12/08/04 0007	bjt
	Aroclor 1221	1.2	U	0.40	1.2	1.00000	ug/L	137237		12/08/04 0007	bjt
	Aroclor 1232	1.2	U	0.34	1.2	1.00000	ug/L	137237		12/08/04 0007	bjt
	Aroclor 1242	1.2	U	0.41	1.2	1.00000	ug/L	137237		12/08/04 0007	bjt
	Aroclor 1248	1.4	U	0.46	1.4	1.00000	ug/L	137237		12/08/04 0007	bjt
	Aroclor 1254	1.2	U	0.34	1.2	1.00000	ug/L	137237		12/08/04 0007	bjt
	Aroclor 1260	0.58	U	0.16	0.58	1.00000	ug/L	137237		12/08/04 0007	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
B260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1450	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1450	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1450	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1450	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1450	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: HKN Engineers, Inc.

PROJECT: USACE RMAAP 14 MOES

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1450	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date:12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136557		12/08/04 1950	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136557		12/08/04 1950	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136557		12/08/04 1950	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136557		12/08/04 1950	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136557		12/08/04 1950	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136557		12/08/04 1950	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	136557		12/08/04 1950	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	136557		12/08/04 1950	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	136557		12/08/04 1950	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136557		12/08/04 1950	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	136557		12/08/04 1950	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	136557		12/08/04 1950	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136557		12/08/04 1950	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE R/VAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	136557		12/08/04 1950	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	27			3.8	15	1.00000	ug/L	136557		12/08/04 1950	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	136557		12/08/04 1950	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	136557		12/08/04 1950	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	136557		12/08/04 1950	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136557		12/08/04 1950	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	136557		12/08/04 1950	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136557		12/08/04 1950	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	136557		12/08/04 1950	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-016-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 14:55
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-13
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.38	U		0.083	0.38	1.00000	ug/L	137332		12/04/04 1014	bdw
	RDX	0.24	U		0.078	0.24	1.00000	ug/L	137332		12/04/04 1014	bdw
	1,3,5-Trinitrobenzene	0.24	U		0.071	0.24	1.00000	ug/L	137332		12/04/04 1014	bdw
	1,3-Dinitrobenzene	0.24	U		0.067	0.24	1.00000	ug/L	137332		12/04/04 1014	bdw
	Nitrobenzene	0.19	U		0.054	0.19	1.00000	ug/L	137332		12/04/04 1014	bdw
	2,4,6-TNT	0.29	J		0.095	0.30	1.00000	ug/L	137332		12/04/04 1014	bdw
	Tetryl	0.95	U		0.20	0.95	1.00000	ug/L	137332		12/04/04 1014	bdw
	2,4-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	137332		12/04/04 1014	bdw
	2,6-Dinitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	137332		12/04/04 1014	bdw
	2-Amino-4,6-Dinitrotoluene	0.23	J	a	0.14	0.44	1.00000	ug/L	137332		12/04/04 1014	bdw
	4-Amino-2,6-Dinitrotoluene	0.46	U		0.14	0.40	1.00000	ug/L	137332		12/04/04 1014	bdw
	2-Nitrotoluene	0.38	U		0.11	0.38	1.00000	ug/L	137332		12/04/04 1014	bdw
	4-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	137332		12/04/04 1014	bdw
	3-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	137332		12/04/04 1014	bdw
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	0.21	J		0.18	1.2	1.00000	ug/L	137338		12/03/04 0729	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L10sw-016-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L020243-006 Work Order #...: GX5ET1AC Matrix.....: WATER
Date Sampled...: 12/01/04 14:55 Date Received...: 12/02/04
Prep Date.....: 12/08/04 Analysis Date...: 12/09/04
Prep Batch #...: 4342544
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: L10sw-016-SW

General Chemistry

Lot-Sample #...: G4L020243-006
Date Sampled...: 12/01/04

Work Order #...: GX5ET
Date Received...: 12/02/04

Matrix.....: WATER

<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	12/13-12/15/04	4348530
		MDL.....: 0.12				

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Job Number: 232364		LABORATORY TEST RESULTS					Date: 12/27/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-016-SW Date Sampled.....: 12/01/2004 Time Sampled.....: 14:55 Sample Matrix.....: Water			Laboratory Sample ID: 232364-13 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010		U	0.0044	0.010	1	mg/L	136111		12/03/04 1401	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-017-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-6
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	135886		12/01/04 1940	daj
7060A	Arsenic (GFAA) Arsenic	1.5	B		0.51	2.0	1	ug/L	136355		12/06/04 1330	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	135793		11/30/04 1605	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	135835		11/30/04 1656	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	410			24	150	1	ug/L	136189		12/04/04 0045	tds
	Barium	22			1.3	10	1	ug/L	136189		12/04/04 0045	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0045	tds
	Cadmium	0.50	B		0.25	2.0	1	ug/L	136189		12/04/04 0045	tds
	Calcium	10000			9.5	100	1	ug/L	136189		12/04/04 0045	tds
	Chromium	10	U		1.1	10	1	ug/L	136189		12/04/04 0045	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136189		12/04/04 0045	tds
	Copper	6.8	B		2.2	10	1	ug/L	136189		12/04/04 0045	tds
	Iron	930			38	120	1	ug/L	136189		12/04/04 0045	tds
	Magnesium	1400			8.1	100	1	ug/L	136189		12/04/04 0045	tds
	Manganese	48			0.41	10	1	ug/L	136189		12/04/04 0045	tds
	Nickel	10	U		1.0	10	1	ug/L	136189		12/04/04 0045	tds
	Lead	2900			2.5	9.0	1	ug/L	136189		12/04/04 0045	tds
	Potassium	8500			66	500	1	ug/L	136189		12/04/04 0045	tds
	Selenium	15	U		3.0	15	1	ug/L	136189		12/04/04 0045	tds
	Silver	10	U		0.72	10	1	ug/L	136189		12/04/04 0045	tds

* In Description = Dry Wgt.

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STL Chicago

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RYANP 1A AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-017-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 232251-6 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium	910		B	490	1500	1	ug/L	136189		12/04/04 0045	tds
	Vanadium	10		U	1.0	10	1	ug/L	136189		12/04/04 0045	tds
	Zinc	47			1.6	30	1	ug/L	136189		12/04/04 0045	tds

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: NCM Engineers, Inc.			PROJECT: USAGE RVAMP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-017-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 232251-6 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136513		11/30/04 2224	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	136513		11/30/04 2224	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	136513		11/30/04 2224	kdl
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	136513		11/30/04 2224	kdl
	Endrin ketone	0.097	U		0.028	0.097	1.00000	ug/L	136513		11/30/04 2224	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	136513		11/30/04 2224	kdl

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251 Date: 12/08/2004

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

Customer Sample ID: L10sw-017-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-6
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis										
	Aroclor 1016	0.58	U	0.17	0.58	1.00000	ug/L	136487		11/30/04 1739	bjt
	Aroclor 1221	1.3	U	0.41	1.3	1.00000	ug/L	136487		11/30/04 1739	bjt
	Aroclor 1232	1.3	U	0.34	1.3	1.00000	ug/L	136487		11/30/04 1739	bjt
	Aroclor 1242	1.3	U	0.42	1.3	1.00000	ug/L	136487		11/30/04 1739	bjt
	Aroclor 1248	1.5	U	0.47	1.5	1.00000	ug/L	136487		11/30/04 1739	bjt
	Aroclor 1254	1.3	U	0.34	1.3	1.00000	ug/L	136487		11/30/04 1739	bjt
	Aroclor 1260	0.58	U	0.17	0.58	1.00000	ug/L	136487		11/30/04 1739	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-017-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-6
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0109	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0109	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0109	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0109	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0109	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0109	jdj

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/07/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE: RVAAP 14 AGGS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-017-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 232251-6 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	m,p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	135800		12/01/04 0109	jdh

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-017-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-6
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	136555		12/03/04 2252	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136555		12/03/04 2252	dpk
	Hexachloroethane, Low Level Water	4.9	U	*	0.59	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	136555		12/03/04 2252	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.63	19	1.00000	ug/L	136555		12/03/04 2252	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136555		12/03/04 2252	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADKS

ATTN: Eric Ellis

Customer Sample ID: L10sw-017-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-6
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136555		12/03/04 2252	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	136555		12/03/04 2252	dpk
	Acenaphthylene, Low Level Water	0.94	J		0.12	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	Acenaphthene, Low Level Water	0.61	J		0.12	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	Dibenzofuran, Low Level Water	0.49	J		0.13	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	136555		12/03/04 2252	dpk
	Fluorene, Low Level Water	0.63	J		0.13	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	136555		12/03/04 2252	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Pentachlorophenol, Low Level Water	4.8	J		1.7	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	136555		12/03/04 2252	dpk
	Phenanthrene, Low Level Water	12	U		0.14	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	Anthracene, Low Level Water	2.7	U		0.15	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	Carbazole, Low Level Water	3.4	J		0.28	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Fluoranthene, Low Level Water	59	U		0.14	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	Pyrene, Low Level Water	46	U		0.12	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Benzo(a)anthracene, Low Level Water	5.3	U		0.048	0.19	1.00000	ug/L	136555		12/03/04 2252	dpk
	Chrysene, Low Level Water	25	U		0.044	0.49	1.00000	ug/L	136555		12/03/04 2252	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RWAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-017-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-6
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.70	4.9	1.00000	ug/L	136555		12/03/04 2252	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136555		12/03/04 2252	dpk
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	136555		12/03/04 2252	dpk
	Benzo(b)fluoranthene, Low Level Water	16		H	0.065	0.39	1.00000	ug/L	136555		12/03/04 2252	dpk
	Benzo(k)fluoranthene, Low Level Water	5.7		M	0.070	0.39	1.00000	ug/L	136555		12/03/04 2252	dpk
	Benzo(a)pyrene, Low Level Water	3.5			0.082	0.39	1.00000	ug/L	136555		12/03/04 2252	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	3.8			0.083	0.39	1.00000	ug/L	136555		12/03/04 2252	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.82			0.13	0.39	1.00000	ug/L	136555		12/03/04 2252	dpk
	Benzo(ghi)perylene, Low Level Water	3.7			0.18	0.97	1.00000	ug/L	136555		12/03/04 2252	dpk

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/17/2004				
CUSTOMER: KKM Engineers, Inc.			PROJECT: USACE IWAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-017-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 232251-6 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.41	U		0.090	0.41	1.00000	ug/L	136467		11/30/04 2128	san
	RDX	0.26	U		0.084	0.26	1.00000	ug/L	136467		11/30/04 2128	san
	1,3,5-Trinitrobenzene	0.19	J	a	0.076	0.26	1.00000	ug/L	136467		11/30/04 2128	san
	1,3-Dinitrobenzene	0.26	U		0.072	0.26	1.00000	ug/L	136467		11/30/04 2128	san
	Nitrobenzene	0.21	U		0.058	0.21	1.00000	ug/L	136467		11/30/04 2128	san
	2,4,6-TNT	0.33	U		0.10	0.33	1.00000	ug/L	136467		11/30/04 2128	san
	Tetryl	1.0	U		0.22	1.0	1.00000	ug/L	136467		11/30/04 2128	san
	2,4-Dinitrotoluene	0.47	U		0.16	0.47	1.00000	ug/L	136467		11/30/04 2128	san
	2,6-Dinitrotoluene	0.37	J	a	0.19	0.57	1.00000	ug/L	136467		11/30/04 2128	san
	2-Amino-4,6-Dinitrotoluene	0.47	U		0.16	0.47	1.00000	ug/L	136467		11/30/04 2128	san
	4-Amino-2,6-Dinitrotoluene	0.43	U		0.15	0.43	1.00000	ug/L	136467		11/30/04 2128	san
	2-Nitrotoluene	0.41	U		0.12	0.41	1.00000	ug/L	136467		11/30/04 2128	san
	4-Nitrotoluene	0.41	U		0.13	0.41	1.00000	ug/L	136467		11/30/04 2128	san
	3-Nitrotoluene	0.41	U		0.13	0.41	1.00000	ug/L	136467		11/30/04 2128	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-017-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-6
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	135822		12/01/04 1222	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-018-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-7
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	135886		12/01/04 1952	daj
7060A	Arsenic (GFAA) Arsenic	0.88	B		0.51	2.0	1	ug/L	136355		12/06/04 1342	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	135793		11/30/04 1618	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	135835		11/30/04 1658	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	48	B		24	150	1	ug/L	136189		12/04/04 0051	tds
	Barium	22			1.3	10	1	ug/L	136189		12/04/04 0051	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0051	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0051	tds
	Calcium	13000			9.5	100	1	ug/L	136189		12/04/04 0051	tds
	Chromium	10	U		1.1	10	1	ug/L	136189		12/04/04 0051	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136189		12/04/04 0051	tds
	Copper	5.0	B		2.2	10	1	ug/L	136189		12/04/04 0051	tds
	Iron	320			38	120	1	ug/L	136189		12/04/04 0051	tds
	Magnesium	690			8.1	100	1	ug/L	136189		12/04/04 0051	tds
	Manganese	38			0.41	10	1	ug/L	136189		12/04/04 0051	tds
	Nickel	10	U		1.0	10	1	ug/L	136189		12/04/04 0051	tds
	Lead	1800			2.5	9.0	1	ug/L	136189		12/04/04 0051	tds
	Potassium	9400			66	500	1	ug/L	136189		12/04/04 0051	tds
	Selenium	15	U		3.0	15	1	ug/L	136189		12/04/04 0051	tds
	Silver	10	U		0.72	10	1	ug/L	136189		12/04/04 0051	tds

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RYAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-018-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232251-7 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	ML	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium	610		B	490	1500	1	ug/L	136189		12/04/04 0051	tds
	Vanadium	10		U	1.0	10	1	ug/L	136189		12/04/04 0051	tds
	Zinc	38			1.6	30	1	ug/L	136189		12/04/04 0051	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-018-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-7
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
80B1A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136513		11/30/04 2249	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	136513		11/30/04 2249	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	136513		11/30/04 2249	kdl
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	136513		11/30/04 2249	kdl
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	136513		11/30/04 2249	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	136513		11/30/04 2249	kdl

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADGS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-018-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232251-7 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	136487		11/30/04 1850	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	136487		11/30/04 1850	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	136487		11/30/04 1850	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	136487		11/30/04 1850	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	136487		11/30/04 1850	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	136487		11/30/04 1850	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	136487		11/30/04 1850	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-018-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-7
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0132	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0132	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0132	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0132	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0132	jdj

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/07/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACES			ATTN: Eric Ellis						
Customer Sample ID: L10sw-018-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232251-7 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	135800		12/01/04 0132	jdj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-018-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-7
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.6	U		0.39	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.2	U		0.33	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	1,3-Dichlorobenzene, Low Level Water	2.2	U		0.48	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	1,4-Dichlorobenzene, Low Level Water	2.2	U		0.37	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	1,2-Dichlorobenzene, Low Level Water	2.2	U		0.39	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	Benzyl alcohol, Low Level Water	22	U		2.4	22	1.00000	ug/L	136555		12/03/04 2319	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.2	U		0.29	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.2	U		0.31	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.56	U		0.090	0.56	1.00000	ug/L	136555		12/03/04 2319	dpk
	Hexachloroethane, Low Level Water	5.6	U	*	0.68	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.2	U		0.11	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	2-Chlorophenol, Low Level Water	5.6	U		0.13	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Nitrobenzene, Low Level Water	1.1	U		0.18	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.2	U		0.34	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.2	U		0.38	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	Benzoic acid, Low Level Water	22	U		3.3	22	1.00000	ug/L	136555		12/03/04 2319	dpk
	Isophorone, Low Level Water	2.2	U		0.29	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,4-Dimethylphenol, Low Level Water	11	U		1.4	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	Hexachlorobutadiene, Low Level Water	5.6	U		0.71	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Naphthalene, Low Level Water	1.1	U		0.18	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,4-Dichlorophenol, Low Level Water	11	U		1.0	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	4-Chloroaniline, Low Level Water	11	U		3.1	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.6	U		0.23	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,4,5-Trichlorophenol, Low Level Water	11	U		1.6	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	Hexachlorocyclopentadiene, Low Level Water	22	U	*	0.72	22	1.00000	ug/L	136555		12/03/04 2319	dpk
	2-Methylnaphthalene, Low Level Water	0.56	U		0.14	0.56	1.00000	ug/L	136555		12/03/04 2319	dpk
	2-Nitroaniline, Low Level Water	5.6	U		0.24	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	2-Chloronaphthalene, Low Level Water	2.2	U		0.29	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: NKN Engineers, Inc.

PROJECT: USACE RMAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-018-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-7
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	11	U		2.7	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,6-Dinitrotoluene, Low Level Water	0.56	U		0.12	0.56	1.00000	ug/L	136555		12/03/04 2319	dpk
	2-Nitrophenol, Low Level Water	11	U		0.91	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	3-Nitroaniline, Low Level Water	11	U		2.3	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	Dimethyl phthalate, Low Level Water	2.2	U		0.23	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,4-Dinitrophenol, Low Level Water	22	U		3.7	22	1.00000	ug/L	136555		12/03/04 2319	dpk
	Acenaphthylene, Low Level Water	1.1	U		0.13	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	2,4-Dinitrotoluene, Low Level Water	1.1	U		0.14	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	Acenaphthene, Low Level Water	1.1	U		0.13	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	Dibenzofuran, Low Level Water	2.2	U		0.14	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	4-Nitrophenol, Low Level Water	22	U		4.1	22	1.00000	ug/L	136555		12/03/04 2319	dpk
	Fluorene, Low Level Water	1.1	U		0.14	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	4-Nitroaniline, Low Level Water	11	U		2.6	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.6	U		0.21	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Hexachlorobenzene, Low Level Water	0.56	U		0.11	0.56	1.00000	ug/L	136555		12/03/04 2319	dpk
	Diethyl phthalate, Low Level Water	2.2	U		0.17	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.6	U		0.83	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Pentachlorophenol, Low Level Water	11	U		1.9	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.1	U		0.14	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	22	U		2.7	22	1.00000	ug/L	136555		12/03/04 2319	dpk
	Phenanthrene, Low Level Water	0.38	J		0.16	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	Anthracene, Low Level Water	0.70	J		0.17	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	Carbazole, Low Level Water	5.6	U		0.32	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Di-n-butyl phthalate, Low Level Water	5.6	U		0.40	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Fluoranthene, Low Level Water	3.2	U		0.16	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	Pyrene, Low Level Water	2.6	U		0.13	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk
	Butyl benzyl phthalate, Low Level Water	2.2	U		0.43	2.2	1.00000	ug/L	136555		12/03/04 2319	dpk
	Benzo(a)anthracene, Low Level Water	0.48	U		0.054	0.22	1.00000	ug/L	136555		12/03/04 2319	dpk
	Chrysene, Low Level Water	1.3	U		0.050	0.56	1.00000	ug/L	136555		12/03/04 2319	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-018-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-7
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.6	U		0.80	5.6	1.00000	ug/L	136555		12/03/04 2319	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	17	U		4.3	17	1.00000	ug/L	136555		12/03/04 2319	dpk
	Di-n-octyl phthalate, Low Level Water	11	U		2.8	11	1.00000	ug/L	136555		12/03/04 2319	dpk
	Benzo(b)fluoranthene, Low Level Water	1.1	J	M	0.074	0.44	1.00000	ug/L	136555		12/03/04 2319	dpk
	Benzo(k)fluoranthene, Low Level Water	0.35	J		0.080	0.44	1.00000	ug/L	136555		12/03/04 2319	dpk
	Benzo(a)pyrene, Low Level Water	0.40	J		0.093	0.44	1.00000	ug/L	136555		12/03/04 2319	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.35	J		0.096	0.44	1.00000	ug/L	136555		12/03/04 2319	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.44	U		0.14	0.44	1.00000	ug/L	136555		12/03/04 2319	dpk
	Benzo(ghi)perylene, Low Level Water	0.34	J		0.21	1.1	1.00000	ug/L	136555		12/03/04 2319	dpk

* In Description = Dry Wgt.

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Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: HKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-018-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:05 Sample Matrix.....: Water			Laboratory Sample ID: 232251-7 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	136467		11/30/04 2233	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	136467		11/30/04 2233	san
	1,3,5-Trinitrobenzene	0.067	J	a	0.058	0.20	1.00000	ug/L	136467		11/30/04 2233	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	136467		11/30/04 2233	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	136467		11/30/04 2233	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	136467		11/30/04 2233	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	136467		11/30/04 2233	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		11/30/04 2233	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136467		11/30/04 2233	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		11/30/04 2233	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	136467		11/30/04 2233	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	136467		11/30/04 2233	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		11/30/04 2233	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		11/30/04 2233	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-018-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:05
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-7
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U	0.0044	0.010	1	mg/L	135822		12/01/04 1223	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	136351		12/06/04 1955	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	136355		12/06/04 2119	daj
7421	Lead (GFAA) Lead	1200			40	150	50	ug/L	136730		12/09/04 1121	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136346		12/07/04 0435	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137125		12/14/04 1455	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	75	B		24	150	1	ug/L	137184		12/15/04 1826	tds
	Barium	18			1.3	10	1	ug/L	137184		12/15/04 1826	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137184		12/15/04 1826	tds
	Cadmium	0.47	B		0.25	2.0	1	ug/L	137184		12/15/04 1826	tds
	Calcium	10000			9.5	100	1	ug/L	137184		12/15/04 1826	tds
	Chromium	10	U		1.1	10	1	ug/L	137184		12/15/04 1826	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137184		12/15/04 1826	tds
	Copper	5.0	B		2.2	10	1	ug/L	137184		12/15/04 1826	tds
	Iron	480			38	120	1	ug/L	137184		12/15/04 1826	tds
	Magnesium	950			8.1	100	1	ug/L	137184		12/15/04 1826	tds
	Manganese	26			0.41	10	1	ug/L	137184		12/15/04 1826	tds
	Nickel	10	U		1.0	10	1	ug/L	137184		12/15/04 1826	tds
	Potassium	8400			66	500	1	ug/L	137184		12/15/04 1826	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137184		12/15/04 1826	tds
	Silver	10	U		0.72	10	1	ug/L	137184		12/15/04 1826	tds
	Sodium	840	B		490	1500	1	ug/L	137184		12/15/04 1826	tds
	Vanadium	10	U		1.0	10	1	ug/L	137184		12/15/04 1826	tds
	Zinc	20	B		1.6	30	1	ug/L	137184		12/15/04 1826	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	137225		12/15/04 0749	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	137225		12/15/04 0749	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	137225		12/15/04 0749	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	137225		12/15/04 0749	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	137225		12/15/04 0749	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	137225		12/15/04 0749	kdl

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232364								Date: 12/16/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L10sw-019-SW Date Sampled.....: 12/01/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water						Laboratory Sample ID: 232364-11 Date Received.....: 12/02/2004 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	137237		12/07/04 2318	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	137237		12/07/04 2318	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	137237		12/07/04 2318	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	137237		12/07/04 2318	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	137237		12/07/04 2318	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	137237		12/07/04 2318	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	137237		12/07/04 2318	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 MOCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8260B	Volatile Organics	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Vinyl chloride	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Bromomethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Chloroethane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	1,1-Dichloroethene	1.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Carbon disulfide	5.0	U		1.8	10	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Acetone	10	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Methylene chloride	1.5	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	trans-1,2-Dichloroethene	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	1,1-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	cis-1,2-Dichloroethene	1.0	U		1.2	10	1.00000	ug/L	136228		12/03/04 1405	jdj	
	2-Butanone (MEK)	10	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Bromochloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Chloroform	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	1,1,1-Trichloroethane	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Carbon tetrachloride	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Benzene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	1,2-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Trichloroethene	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Bromodichloromethane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	cis-1,3-Dichloropropene	1.0	U		0.65	10	1.00000	ug/L	136228		12/03/04 1405	jdj	
	4-Methyl-2-pentanone (MIBK)	10	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Toluene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	1,1,2-Trichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj	
	Tetrachloroethene	1.0	U		0.53	10	1.00000	ug/L	136228		12/03/04 1405	jdj	
	2-Hexanone	10	U										

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	136228		12/03/04 1405	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136557		12/08/04 1904	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136557		12/08/04 1904	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136557		12/08/04 1904	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136557		12/08/04 1904	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136557		12/08/04 1904	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP T4 AGES

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136557		12/08/04 1904	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	136557		12/08/04 1904	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	136557		12/08/04 1904	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	136557		12/08/04 1904	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136557		12/08/04 1904	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	Anthracene, Low Level Water	0.17	J		0.15	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Fluoranthene, Low Level Water	0.23	J		0.14	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	Pyrene, Low Level Water	0.24	J		0.12	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	136557		12/08/04 1904	dpk
	Benzo(b)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	136557		12/08/04 1904	dpk
	Chrysene, Low Level Water	0.20	J		0.044	0.49	1.00000	ug/L	136557		12/08/04 1904	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-SW
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-11
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9		U	0.71	4.9	1.00000	ug/L	136557		12/08/04 1904	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15		U	3.8	15	1.00000	ug/L	136557		12/08/04 1904	dpk
	Di-n-octyl phthalate, Low Level Water	9.8		U	2.5	9.8	1.00000	ug/L	136557		12/08/04 1904	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39		U	0.066	0.39	1.00000	ug/L	136557		12/08/04 1904	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39		U	0.071	0.39	1.00000	ug/L	136557		12/08/04 1904	dpk
	Benzo(a)pyrene, Low Level Water	0.39		U	0.082	0.39	1.00000	ug/L	136557		12/08/04 1904	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39		U	0.084	0.39	1.00000	ug/L	136557		12/08/04 1904	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39		U	0.13	0.39	1.00000	ug/L	136557		12/08/04 1904	dpk
	Benzo(ghi)perylene, Low Level Water	0.98		U	0.19	0.98	1.00000	ug/L	136557		12/08/04 1904	dpk

* In Description = Dry Wgt.

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Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-019-SW Date Sampled.....: 12/01/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water			Laboratory Sample ID: 232364-11 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.44	U		0.097	0.44	1.00000	ug/L	137332		12/04/04 0909	bdw
	RDX	0.29	U		0.092	0.29	1.00000	ug/L	137332		12/04/04 0909	bdw
	1,3,5-Trinitrobenzene	0.29	U		0.083	0.29	1.00000	ug/L	137332		12/04/04 0909	bdw
	1,3-Dinitrobenzene	0.29	U		0.079	0.29	1.00000	ug/L	137332		12/04/04 0909	bdw
	Nitrobenzene	0.23	U		0.063	0.23	1.00000	ug/L	137332		12/04/04 0909	bdw
	2,4,6-TNT	0.36	U		0.11	0.36	1.00000	ug/L	137332		12/04/04 0909	bdw
	Tetryl	1.1	U		0.24	1.1	1.00000	ug/L	137332		12/04/04 0909	bdw
	2,4-Dinitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	137332		12/04/04 0909	bdw
	2,6-Dinitrotoluene	0.62	U		0.20	0.62	1.00000	ug/L	137332		12/04/04 0909	bdw
	2-Amino-4,6-Dinitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	137332		12/04/04 0909	bdw
	4-Amino-2,6-Dinitrotoluene	0.47	U		0.16	0.47	1.00000	ug/L	137332		12/04/04 0909	bdw
	2-Nitrotoluene	0.44	U		0.13	0.44	1.00000	ug/L	137332		12/04/04 0909	bdw
	4-Nitrotoluene	0.44	U		0.14	0.44	1.00000	ug/L	137332		12/04/04 0909	bdw
	3-Nitrotoluene	0.44	U		0.14	0.44	1.00000	ug/L	137332		12/04/04 0909	bdw

* In Description = Dry Wgt.

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Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-019-SW Date Sampled.....: 12/01/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water			Laboratory Sample ID: 232364-11 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	136111		12/03/04 1400	mtb

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric ELLis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	136351		12/06/04 2019	daj
7060A	Arsenic (GFAA) Arsenic	1.2		B	0.51	2.0	1	ug/L	136355		12/06/04 2131	daj
7421	Lead (GFAA) Lead	1100			40	150	50	ug/L	136730		12/09/04 1132	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	136346		12/07/04 0500	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137125		12/14/04 1458	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	42		B	24	150	1	ug/L	137184		12/15/04 1832	tds
	Barium	21			1.3	10	1	ug/L	137184		12/15/04 1832	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137184		12/15/04 1832	tds
	Cadmium	0.41		B	0.25	2.0	1	ug/L	137184		12/15/04 1832	tds
	Calcium	9800			9.5	100	1	ug/L	137184		12/15/04 1832	tds
	Chromium	10		U	1.1	10	1	ug/L	137184		12/15/04 1832	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137184		12/15/04 1832	tds
	Copper	5.2		B	2.2	10	1	ug/L	137184		12/15/04 1832	tds
	Iron	450			38	120	1	ug/L	137184		12/15/04 1832	tds
	Magnesium	930			8.1	100	1	ug/L	137184		12/15/04 1832	tds
	Manganese	23			0.41	10	1	ug/L	137184		12/15/04 1832	tds
	Nickel	10		U	1.0	10	1	ug/L	137184		12/15/04 1832	tds
	Potassium	8300			66	500	1	ug/L	137184		12/15/04 1832	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-D19-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137184		12/15/04 1832	tds
	Silver	10	U		0.72	10	1	ug/L	137184		12/15/04 1832	tds
	Sodium	930	B		490	1500	1	ug/L	137184		12/15/04 1832	tds
	Vanadium	10	U		1.0	10	1	ug/L	137184		12/15/04 1832	tds
	Zinc	17	B		1.6	30	1	ug/L	137184		12/15/04 1832	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLACS	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	137225		12/15/04 0814	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	137225		12/15/04 0814	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	137225		12/15/04 0814	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	137225		12/15/04 0814	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	137225		12/15/04 0814	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	137225		12/15/04 0814	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	137225		12/15/04 0814	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	137225		12/15/04 0814	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	137225		12/15/04 0814	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	137225		12/15/04 0814	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	137225		12/15/04 0814	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	137225		12/15/04 0814	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	137225		12/15/04 0814	kdl

* In Description = Dry Wgt.

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Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: Lf0sw-019-DUP Date Sampled.....: 12/01/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water			Laboratory Sample ID: 232364-12 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	137237		12/07/04 2343	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	137237		12/07/04 2343	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	137237		12/07/04 2343	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	137237		12/07/04 2343	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	137237		12/07/04 2343	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	137237		12/07/04 2343	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	137237		12/07/04 2343	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 1A AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1427	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1427	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1427	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1427	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1427	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1427	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1427	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	U	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	136557		12/09/04 1521	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	136557		12/09/04 1521	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136557		12/09/04 1521	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	136557		12/09/04 1521	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.63	19	1.00000	ug/L	136557		12/09/04 1521	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136557		12/09/04 1521	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136557		12/09/04 1521	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	136557		12/09/04 1521	dpk
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	136557		12/09/04 1521	dpk
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	136557		12/09/04 1521	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	136557		12/09/04 1521	dpk
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	Anthracene, Low Level Water	0.28	J		0.15	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Fluoranthene, Low Level Water	0.28	J		0.14	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	Pyrene, Low Level Water	0.21	J		0.12	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	136557		12/09/04 1521	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	136557		12/09/04 1521	dpk
	Chrysene, Low Level Water	0.17	J		0.044	0.49	1.00000	ug/L	136557		12/09/04 1521	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-12
 Date Received.....: 12/02/2004
 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	136557		12/09/04 1521	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136557		12/09/04 1521	dpk
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	136557		12/09/04 1521	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	136557		12/09/04 1521	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	136557		12/09/04 1521	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136557		12/09/04 1521	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	136557		12/09/04 1521	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136557		12/09/04 1521	dpk
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	136557		12/09/04 1521	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVARP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-019-DUP
 Date Sampled.....: 12/01/2004
 Time Sampled.....: 13:25
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.46	U		0.10	0.46	1.00000	ug/L	137332		12/04/04 0941	bdw
	RDX	0.30	U		0.095	0.30	1.00000	ug/L	137332		12/04/04 0941	bdw
	1,3,5-Trinitrobenzene	0.30	U		0.086	0.30	1.00000	ug/L	137332		12/04/04 0941	bdw
	1,3-Dinitrobenzene	0.30	U		0.082	0.30	1.00000	ug/L	137332		12/04/04 0941	bdw
	Nitrobenzene	0.24	U		0.065	0.24	1.00000	ug/L	137332		12/04/04 0941	bdw
	2,4,6-TNT	0.37	U		0.12	0.37	1.00000	ug/L	137332		12/04/04 0941	bdw
	Tetryl	1.2	U		0.24	1.2	1.00000	ug/L	137332		12/04/04 0941	bdw
	2,4-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	137332		12/04/04 0941	bdw
	2,6-Dinitrotoluene	0.64	U		0.21	0.64	1.00000	ug/L	137332		12/04/04 0941	bdw
	2-Amino-4,6-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	137332		12/04/04 0941	bdw
	4-Amino-2,6-Dinitrotoluene	0.49	U		0.17	0.49	1.00000	ug/L	137332		12/04/04 0941	bdw
	2-Nitrotoluene	0.46	U		0.14	0.46	1.00000	ug/L	137332		12/04/04 0941	bdw
	4-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	137332		12/04/04 0941	bdw
	3-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	137332		12/04/04 0941	bdw

* In Description = Dry Wgt.

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Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-019-DUP Date Sampled.....: 12/01/2004 Time Sampled.....: 13:25 Sample Matrix.....: Water			Laboratory Sample ID: 232364-12 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	f	mg/L	136111		12/03/04 1401	mtb

* In Description = Dry Wgt.