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LABORATORY TEST RESULTS

Job Number: 233646 Date: 01/27/2005

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USAGE RYRAP 14 AOCs

Customer Sample ID: CBLmw-001-6W
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-1
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7196A	Hexavalent Chromium Hexavalent Chromium	0.0052	B		0.0016	0.010	1	mg/L	139968		01/21/05 1137	pmf

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 233646						Date: 02/02/2005						
CUSTOMER: MKM Engineers, Inc.						PROJECT: USAGE RVAAP 14 ROCS						
ATTN: Eric Ellis												
Customer Sample ID: CBLmw-001-GW						Laboratory Sample ID: 233646-1						
Date Sampled: 01/20/2005						Date Received: 01/21/2005						
Time Sampled: 13:00						Time Received: 10:00						
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	140534		01/27/05 1751	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	140662		01/28/05 1244	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	140683		01/28/05 1830	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	140464		01/26/05 2312	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	140763		01/28/05 1320	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	140536		01/28/05 0131	tds
	Barium	31	U		1.3	10	1	ug/L	140536		01/28/05 0131	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	140536		01/28/05 0131	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	140536		01/28/05 0131	tds
	Calcium	3200	U		9.5	100	1	ug/L	140536		01/28/05 0131	tds
	Chromium	10	U		1.1	10	1	ug/L	140536		01/28/05 0131	tds
	Cobalt	1.3	B		0.80	5.0	1	ug/L	140536		01/28/05 0131	tds
	Copper	11	U		2.2	10	1	ug/L	140536		01/28/05 0131	tds
	Iron	120	U		38	120	1	ug/L	140536		01/28/05 0131	tds
	Magnesium	1500	U		8.1	100	1	ug/L	140536		01/28/05 0131	tds
	Manganese	190	U		0.41	10	1	ug/L	140536		01/28/05 0131	tds
	Nickel	6.0	B		1.0	10	1	ug/L	140536		01/28/05 0131	tds
	Potassium	950	U		66	500	1	ug/L	140536		01/28/05 0131	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 233646						Date: 02/02/2005						
CUSTOMER: NKM Engineers, Inc.						PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis			
Customer Sample ID: CBLNW-001-GW Date Sampled.....: 01/20/2005 Time Sampled.....: 13:00 Sample Matrix.....: Water						Laboratory Sample ID: 233646-1 Date Received.....: 01/21/2005 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	140536		01/28/05 0131	tds
	Silver	10	U		0.72	10	1	ug/L	140536		01/28/05 0131	tds
	Sodium	890	B		490	1500	1	ug/L	140642		01/28/05 1916	tds
	Vanadium	10	U		1.0	10	1	ug/L	140536		01/28/05 0131	tds
	Zinc	26	B		1.6	30	1	ug/L	140536		01/28/05 0131	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/04/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-GW
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-1
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	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	141140		01/26/05 1820	bjt
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	141140		01/26/05 1820	bjt
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	141140		01/26/05 1820	bjt
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	141140		01/26/05 1820	bjt
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	141140		01/26/05 1820	bjt
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	141140		01/26/05 1820	bjt
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	141140		01/26/05 1820	bjt
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	141140		01/26/05 1820	bjt
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	141140		01/26/05 1820	bjt
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	141140		01/26/05 1820	bjt
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	141140		01/26/05 1820	bjt
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	141140		01/26/05 1820	bjt
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	141140		01/26/05 1820	bjt

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LABORATORY TEST RESULTS

Job Number: 233646

Date:02/03/2005

CUSTOMER: HRH Engineers, Inc.

PROJECT: USACE RYAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-GW
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-1
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	141003		01/25/05 2018	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	141003		01/25/05 2018	bjt
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	141003		01/25/05 2018	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	141003		01/25/05 2018	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	141003		01/25/05 2018	bjt
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	141003		01/25/05 2018	bjt
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	141003		01/25/05 2018	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/03/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOS

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-GW
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-1
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
B2608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Acetone	10	U		1.8	10	1.00000	ug/L	140908		02/02/05 0219	Lm
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	140908		02/02/05 0219	Lm
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	140908		02/02/05 0219	Lm
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	140908		02/02/05 0219	Lm
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	140908		02/02/05 0219	Lm
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	140908		02/02/05 0219	Lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/03/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-GW
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-1
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	140908		02/02/05 0219	lm
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	140908		02/02/05 0219	lm
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	140908		02/02/05 0219	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/04/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE R/VAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: CBLMW-001-GW
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-1
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

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	5.0	U		0.35	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	141183		01/31/05 0510	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.080	0.50	1.00000	ug/L	141183		01/31/05 0510	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.60	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.099	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Nitrobenzene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	141183		01/31/05 0510	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,4-Dimethylphenol, Low Level Water	9.9	U		1.3	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.63	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Naphthalene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,4-Dichlorophenol, Low Level Water	9.9	U		0.90	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	4-Chloroaniline, Low Level Water	9.9	U		2.8	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.9	U		1.4	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.64	20	1.00000	ug/L	141183		01/31/05 0510	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	141183		01/31/05 0510	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233646 Date: 02/04/2005

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

Customer Sample ID: CBLmw-001-GW
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-1
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.9	U		2.4	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	141183		01/31/05 0510	dpk
	2-Nitrophenol, Low Level Water	9.9	U		0.81	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	3-Nitroaniline, Low Level Water	9.9	U		2.1	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	141183		01/31/05 0510	dpk
	Acenaphthylene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	2,4-Dinitrotoluene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	Acenaphthene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	141183		01/31/05 0510	dpk
	Fluorene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	4-Nitroaniline, Low Level Water	9.9	U		2.3	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.096	0.50	1.00000	ug/L	141183		01/31/05 0510	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.74	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Pentachlorophenol, Low Level Water	9.9	U		1.7	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	141183		01/31/05 0510	dpk
	Phenanthrene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	Anthracene, Low Level Water	0.99	U		0.15	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Fluoranthene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	Pyrene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Benzo(a)anthracene, Low Level Water	0.16	J	H	0.049	0.20	1.00000	ug/L	141183		01/31/05 0510	dpk
	Chrysene, Low Level Water	0.14	J		0.045	0.50	1.00000	ug/L	141183		01/31/05 0510	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 233646					Date: 02/04/2005							
CUSTOMER: MKM Engineers, Inc.					PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis				
Customer Sample ID: CBLmw-001-GW					Laboratory Sample ID: 233646-1							
Date Sampled: 01/20/2005					Date Received: 01/21/2005							
Time Sampled: 13:00					Time Received: 10:00							
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0		U	0.71	5.0	1.00000	ug/L	141183		01/31/05 0510	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15		U	3.9	15	1.00000	ug/L	141183		01/31/05 0510	dpk
	Di-n-octyl phthalate, Low Level Water	9.9		U	2.5	9.9	1.00000	ug/L	141183		01/31/05 0510	dpk
	Benzo(b)fluoranthene, Low Level Water	0.13		J	0.066	0.40	1.00000	ug/L	141183		01/31/05 0510	dpk
	Benzo(k)fluoranthene, Low Level Water	0.22		J	0.071	0.40	1.00000	ug/L	141183		01/31/05 0510	dpk
	Benzo(a)pyrene, Low Level Water	0.17		J	0.083	0.40	1.00000	ug/L	141183		01/31/05 0510	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.14		J	0.085	0.40	1.00000	ug/L	141183		01/31/05 0510	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40		U	0.13	0.40	1.00000	ug/L	141183		01/31/05 0510	dpk
	Benzo(ghi)perylene, Low Level Water	0.99		U	0.19	0.99	1.00000	ug/L	141183		01/31/05 0510	dpk

* In Description = Dry Wgt.

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Job Number: 233646		LABORATORY TEST RESULTS						Date:01/31/2005				
CUSTOMER: NKK Engineers, Inc.			PROJECT: USACE RVAAP 14 AGES				ATTN: Eric Ellis					
Customer Sample ID: CBLMW-001-GW Date Sampled.....: 01/20/2005 Time Sampled.....: 13:00 Sample Matrix.....: Water			Laboratory Sample ID: 233646-1 Date Received.....: 01/21/2005 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.46	U		0.10	0.46	1.00000	ug/L	140653		01/26/05 0803	san
	RDX	0.30	U		0.096	0.30	1.00000	ug/L	140653		01/26/05 0803	san
	1,3,5-Trinitrobenzene	0.30	U		0.087	0.30	1.00000	ug/L	140653		01/26/05 0803	san
	1,3-Dinitrobenzene	0.30	U		0.082	0.30	1.00000	ug/L	140653		01/26/05 0803	san
	Nitrobenzene	0.24	U		0.066	0.24	1.00000	ug/L	140653		01/26/05 0803	san
	2,4,6-TNT	0.38	U		0.12	0.38	1.00000	ug/L	140653		01/26/05 0803	san
	Tetryl	1.2	U		0.25	1.2	1.00000	ug/L	140653		01/26/05 0803	san
	2,4-Dinitrotoluene	0.54	U		0.18	0.54	1.00000	ug/L	140653		01/26/05 0803	san
	2,6-Dinitrotoluene	0.64	U		0.21	0.64	1.00000	ug/L	140653		01/26/05 0803	san
	2-Amino-4,6-Dinitrotoluene	0.54	U		0.18	0.54	1.00000	ug/L	140653		01/26/05 0803	san
	4-Amino-2,6-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	140653		01/26/05 0803	san
	2-Nitrotoluene	0.46	U		0.14	0.46	1.00000	ug/L	140653		01/26/05 0803	san
	4-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	140653		01/26/05 0803	san
	3-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	140653		01/26/05 0803	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.5	U		0.22	1.5	1.00000	ug/L	140672		01/26/05 1643	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: CBLmw-001-GW

Trace Level Organic Compounds

Lot-Sample #...: G5A210274-001 Work Order #...: G22D11AC Matrix.....: WATER
Date Sampled...: 01/20/05 13:00 Date Received...: 01/21/05
Prep Date.....: 01/26/05 Analysis Date...: 01/26/05
Prep Batch #...: 5026288
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: CBLmw-001-GW

General Chemistry

Lot-Sample #...: G5A210274-001

Work Order #...: G22D1

Matrix.....: WATER

Date Sampled...: 01/20/05

Date Received...: 01/21/05

<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	01/26-01/28/05	5027495
		MDL.....: 0.12				

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LABORATORY TEST RESULTS												
Job Number: 233646				Date: 01/27/2005								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: CBLmw-001-DUP					Laboratory Sample ID: 233646-2							
Date Sampled.....: 01/20/2005					Date Received.....: 01/21/2005							
Time Sampled.....: 13:00					Time Received.....: 10:00							
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7196A	Hexavalent Chromium Hexavalent Chromium	0.0077		B	0.0016	0.010	1	mg/L	139968		01/21/05 1138	pnf

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/02/2005

Job Number: 233646

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

Customer Sample ID: CBLMW-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	140534		01/27/05 1840	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	140662		01/28/05 1332	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	140683		01/28/05 1916	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	140464		01/27/05 0003	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	140763		01/28/05 1327	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150		U	24	150	1	ug/L	140536		01/28/05 0228	tds
	Barium	31		U	1.3	10	1	ug/L	140536		01/28/05 0228	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	140536		01/28/05 0228	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	140536		01/28/05 0228	tds
	Calcium	3200		U	9.5	100	1	ug/L	140536		01/28/05 0228	tds
	Chromium	10		U	1.1	10	1	ug/L	140536		01/28/05 0228	tds
	Cobalt	1.6		B	0.80	5.0	1	ug/L	140536		01/28/05 0228	tds
	Copper	11		U	2.2	10	1	ug/L	140536		01/28/05 0228	tds
	Iron	120		U	38	120	1	ug/L	140536		01/28/05 0228	tds
	Magnesium	1500		U	8.1	100	1	ug/L	140536		01/28/05 0228	tds
	Manganese	190		U	0.41	10	1	ug/L	140536		01/28/05 0228	tds
	Nickel	6.4		B	1.0	10	1	ug/L	140536		01/28/05 0228	tds
	Potassium	1000		U	66	500	1	ug/L	140536		01/28/05 0228	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/02/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 34 ADS ATTN: Eric Elite

Customer Sample ID: CBLMW-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
		15	U		3.0	15	1	ug/L	140536		01/28/05 0228	tds
	Selenium	10	U		0.72	10	1	ug/L	140536		01/28/05 0228	tds
	Silver	980	B		490	1500	1	ug/L	140642		01/28/05 2015	tds
	Sodium	10	U		1.0	10	1	ug/L	140536		01/28/05 0228	tds
	Vanadium	25	B		1.6	30	1	ug/L	140536		01/28/05 0228	tds
	Zinc											

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/04/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	141140		01/27/05 0019	bjt
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	141140		01/27/05 0019	bjt
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	141140		01/27/05 0019	bjt
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	141140		01/27/05 0019	bjt
	Endrin ketone	0.097	U		0.028	0.097	1.00000	ug/L	141140		01/27/05 0019	bjt
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	141140		01/27/05 0019	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233646

Date: 02/03/2005

CUSTOMER: HRM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	141003		01/25/05 2133	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	141003		01/25/05 2133	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	141003		01/25/05 2133	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	141003		01/25/05 2133	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	141003		01/25/05 2133	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	141003		01/25/05 2133	bjt
	Aroclor 1260	0.58	U		0.17	0.58	1.00000	ug/L	141003		01/25/05 2133	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/03/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: CBLMW-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDC	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics										
	Chloromethane	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Vinyl chloride	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Bromomethane	1.0	U *	0.10	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Chloroethane	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,1-Dichloroethene	1.0	U	0.12	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Carbon disulfide	5.0	U	0.20	5.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Acetone	10	U	1.8	10	1.00000	ug/L	140908		02/02/05 0326	lm
	Methylene chloride	1.5	U	0.35	1.5	1.00000	ug/L	140908		02/02/05 0326	lm
	trans-1,2-Dichloroethene	1.0	U	0.14	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,1-Dichloroethane	1.0	U	0.11	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	cis-1,2-Dichloroethene	1.0	U	0.090	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	2-Butanone (MEK)	10	U	1.2	10	1.00000	ug/L	140908		02/02/05 0326	lm
	Bromochloromethane	1.0	U	0.10	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Chloroform	1.0	U	0.11	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,1,1-Trichloroethane	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Carbon tetrachloride	1.0	U	0.13	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Benzene	1.0	U	0.090	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,2-Dichloroethane	1.0	U	0.090	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Trichloroethene	1.0	U	0.10	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,2-Dichloropropane	1.0	U	0.12	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Bromodichloromethane	1.0	U	0.11	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	cis-1,3-Dichloropropene	1.0	U	0.12	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	4-Methyl-2-pentanone (MIBK)	10	U	0.65	10	1.00000	ug/L	140908		02/02/05 0326	lm
	Toluene	1.0	U	0.10	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	trans-1,3-Dichloropropene	1.0	U	0.15	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,1,2-Trichloroethane	1.0	U	0.15	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Tetrachloroethene	1.0	U	0.090	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	2-Hexanone	10	U	0.53	10	1.00000	ug/L	140908		02/02/05 0326	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/03/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAR 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	140908		02/02/05 0326	lm
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	140908		02/02/05 0326	lm
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	140908		02/02/05 0326	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 02/04/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	141183		01/31/05 0839	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.078	0.48	1.00000	ug/L	141183		01/31/05 0839	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.59	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.096	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.12	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Nitrobenzene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	141183		01/31/05 0839	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.62	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Naphthalene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		0.87	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	4-Chloroaniline, Low Level Water	9.6	U		2.7	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		1.3	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	141183		01/31/05 0839	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	141183		01/31/05 0839	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date:02/04/2005

Job Number: 233646

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: CBLmw-001-DUP
 Date Sampled.....: 01/20/2005
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233646-2
 Date Received.....: 01/21/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		2.3	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	141183		01/31/05 0839	dpk
	2-Nitrophenol, Low Level Water	9.6	U		0.79	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	3-Nitroaniline, Low Level Water	9.6	U		2.0	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	141183		01/31/05 0839	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	Acenaphthene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	141183		01/31/05 0839	dpk
	Fluorene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	4-Nitroaniline, Low Level Water	9.6	U		2.2	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.093	0.48	1.00000	ug/L	141183		01/31/05 0839	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.72	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.6	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	141183		01/31/05 0839	dpk
	Phenanthrene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	Anthracene, Low Level Water	0.96	U		0.14	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.35	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Fluoranthene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	Pyrene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	141183		01/31/05 0839	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	141183		01/31/05 0839	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	141183		01/31/05 0839	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 233646						Date: 02/04/2005						
CUSTOMER: MKM Engineers, Inc.						PROJECT: USACE RVAAP 14 AOCs						
ATTN: Eric Ellis												
Customer Sample ID: CBLmw-001-DUP						Laboratory Sample ID: 233646-2						
Date Sampled.....: 01/20/2005						Date Received.....: 01/21/2005						
Time Sampled.....: 13:00						Time Received.....: 10:00						
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	141183		01/31/05 0839	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	141183		01/31/05 0839	dpk
	Di-n-octyl phthalate, Low Level Water	9.6	U		2.4	9.6	1.00000	ug/L	141183		01/31/05 0839	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	141183		01/31/05 0839	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	141183		01/31/05 0839	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.081	0.38	1.00000	ug/L	141183		01/31/05 0839	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.083	0.38	1.00000	ug/L	141183		01/31/05 0839	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	141183		01/31/05 0839	dpk
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.18	0.96	1.00000	ug/L	141183		01/31/05 0839	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 233646						Date: 01/31/2005						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: CBLMW-001-DUP Date Sampled.....: 01/20/2005 Time Sampled.....: 13:00 Sample Matrix.....: Water						Laboratory Sample ID: 233646-2 Date Received.....: 01/21/2005 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HNX	0.34	U		0.074	0.34	1.00000	ug/L	140653		01/26/05 0941	san
	RDX	0.22	U		0.069	0.22	1.00000	ug/L	140653		01/26/05 0941	san
	1,3,5-Trinitrobenzene	0.22	U		0.063	0.22	1.00000	ug/L	140653		01/26/05 0941	san
	1,3-Dinitrobenzene	0.22	U		0.060	0.22	1.00000	ug/L	140653		01/26/05 0941	san
	Nitrobenzene	0.17	U		0.048	0.17	1.00000	ug/L	140653		01/26/05 0941	san
	2,4,6-TNT	0.27	U		0.085	0.27	1.00000	ug/L	140653		01/26/05 0941	san
	Tetryl	0.85	U		0.18	0.85	1.00000	ug/L	140653		01/26/05 0941	san
	2,4-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	140653		01/26/05 0941	san
	2,6-Dinitrotoluene	0.47	U		0.15	0.47	1.00000	ug/L	140653		01/26/05 0941	san
	2-Amino-4,6-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	140653		01/26/05 0941	san
	4-Amino-2,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	140653		01/26/05 0941	san
	2-Nitrotoluene	0.34	U		0.10	0.34	1.00000	ug/L	140653		01/26/05 0941	san
	4-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	140653		01/26/05 0941	san
3-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	140653		01/26/05 0941	san	
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.1	U		0.16	1.1	1.00000	ug/L	140672		01/26/05 1829	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: CBLmw-001-DUP

Trace Level Organic Compounds

Lot-Sample #...: G5A210274-002 Work Order #...: G22D51AC Matrix.....: WATER
Date Sampled...: 01/20/05 13:00 Date Received...: 01/21/05
Prep Date.....: 01/26/05 Analysis Date...: 01/26/05
Prep Batch #...: 5026288
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: CBLmw-001-DUP

General Chemistry

Lot-Sample #....: G5A210274-002
Date Sampled....: 01/20/05

Work Order #....: G22D5
Date Received...: 01/21/05

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	01/26-01/28/05	5027495
		MDL.....: 0.12				

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Job Number: 233426 LABORATORY TEST RESULTS Date: 01/27/2005

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

Customer Sample ID: CBLMW-002-GW Laboratory Sample ID: 233426-4
 Date Sampled.....: 01/12/2005 Date Received.....: 01/13/2005
 Time Sampled.....: 13:30 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7196A	Hexavalent Chromium Hexavalent Chromium	0.0067	B		0.0016	0.010	1	mg/L	139432		01/13/05 12:13	pmf

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date:01/25/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLMW-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30									
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	139654		01/17/05 1751	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	139685		01/17/05 1552	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	139852		01/18/05 1845	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	139652		01/18/05 0157	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	139596		01/14/05 1452	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	30	B		24	150	1	ug/L	139815		01/19/05 1705	tds
	Barium	64			1.3	10	1	ug/L	139815		01/19/05 1705	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	139815		01/19/05 1705	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	139815		01/19/05 1705	tds
	Calcium	8000			9.5	100	1	ug/L	139815		01/19/05 1705	tds
	Chromium	10	U		1.1	10	1	ug/L	139815		01/19/05 1705	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	139815		01/19/05 1705	tds
	Copper	2.7	B		2.2	10	1	ug/L	139815		01/19/05 1705	tds
	Iron	120	U		38	120	1	ug/L	139927		01/20/05 1528	tds
	Magnesium	4500			8.1	100	1	ug/L	139815		01/19/05 1705	tds
	Manganese	35			0.41	10	1	ug/L	139815		01/19/05 1705	tds
	Nickel	10			1.0	10	1	ug/L	139815		01/19/05 1705	tds
	Potassium	1500			66	500	1	ug/L	139815		01/19/05 1705	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 233426								Date: 01/25/2005				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: CBLmw-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water						Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	139815		01/19/05 1705	tds
	Silver	10	U		0.72	10	1	ug/L	139815		01/19/05 1705	tds
	Sodium	2700			490	1500	1	ug/L	139927		01/20/05 1528	tds
	Vanadium	10	U		1.0	10	1	ug/L	139815		01/19/05 1705	tds
	Zinc	35			1.6	30	1	ug/L	139815		01/19/05 1705	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233426 Date: 01/27/2005

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AGCS

Customer Sample ID: CBLmw-002-GW Laboratory Sample ID: 233426-4
 Date Sampled.....: 01/12/2005 Date Received.....: 01/13/2005
 Time Sampled.....: 13:30 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	REL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	140416		01/17/05 1624	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	Methoxychlor	0.61	U		0.17	0.61	1.00000	ug/L	140416		01/17/05 1624	kdl
	alpha-Chlordane	0.051	U		0.016	0.051	1.00000	ug/L	140416		01/17/05 1624	kdl
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	140416		01/17/05 1624	kdl
	Endrin ketone	0.10	U	*	0.029	0.10	1.00000	ug/L	140416		01/17/05 1624	kdl
	Toxaphene	0.51	U		0.14	0.51	1.00000	ug/L	140416		01/17/05 1624	kdl

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/26/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP-14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLmw-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DY	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.61	U		0.18	0.61	1.00000	ug/L	140343		01/17/05 1905	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	140343		01/17/05 1905	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	140343		01/17/05 1905	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	140343		01/17/05 1905	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	140343		01/17/05 1905	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	140343		01/17/05 1905	bjt
	Aroclor 1260	0.61	U		0.17	0.61	1.00000	ug/L	140343		01/17/05 1905	bjt

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS							Date:01/20/2005			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLMW-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water					Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30							
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	139628		01/17/05 2046	jd
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Acetone	10	U	*	1.8	10	1.00000	ug/L	139628		01/17/05 2046	jd
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	139628		01/17/05 2046	jd
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	2-Butanone (MEK)	10	U	*	1.2	10	1.00000	ug/L	139628		01/17/05 2046	jd
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	4-Methyl-2-pentanone (MIBK)	10	U	*	0.65	10	1.00000	ug/L	139628		01/17/05 2046	jd
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2046	jd
	2-Hexanone	10	U	*	0.53	10	1.00000	ug/L	139628		01/17/05 2046	jd

* In Description = Dry Wgt.

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Job Number: 233426	LABORATORY TEST RESULTS	Date: 01/20/2005
CUSTOMER: MKM Engineers, Inc.	PROJECT: USACE RVAAP 14 AOCs	ATTN: Eric Ellis

Customer Sample ID: CBLmw-002-GW
 Date Sampled.....: 01/12/2005
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 233426-4
 Date Received.....: 01/13/2005
 Time Received.....: 10:30

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	139628		01/17/05 2046	jdj
	1,2-Dibromoethane (EDB)	1.0	U	*	0.13	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	139628		01/17/05 2046	jdj

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS							Date: 01/21/2005			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLmw-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30									
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	5.1	U		0.36	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.44	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.36	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	139958		01/17/05 1402	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.083	0.51	1.00000	ug/L	139958		01/17/05 1402	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Benzoic acid, Low Level Water	20	U		3.1	20	1.00000	ug/L	139958		01/17/05 1402	dpk
	Isophorone, Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.93	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	4-Chloroaniline, Low Level Water	10	U		2.9	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.66	20	1.00000	ug/L	139958		01/17/05 1402	dpk
	2-Methylnaphthalene, Low Level Water	0.25	J		0.13	0.51	1.00000	ug/L	139958		01/17/05 1402	dpk
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/21/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCS			ATTN: Eric Ellis						
Customer Sample ID: CBLMW-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	139958		01/17/05 1402	dpk
	2-Nitrophenol, Low Level Water	10	U		0.84	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.4	20	1.00000	ug/L	139958		01/17/05 1402	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	4-Nitrophenol, Low Level Water	20	U		3.8	20	1.00000	ug/L	139958		01/17/05 1402	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.099	0.51	1.00000	ug/L	139958		01/17/05 1402	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.77	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	139958		01/17/05 1402	dpk
	Phenanthrene, Low Level Water	0.24	J		0.14	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Carbazole, Low Level Water	5.1	U		0.30	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.37	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Fluoranthene, Low Level Water	0.32	J		0.14	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Pyrene, Low Level Water	0.40	J		0.12	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.40	2.0	1.00000	ug/L	139958		01/17/05 1402	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.050	0.20	1.00000	ug/L	139958		01/17/05 1402	dpk
	Chrysene, Low Level Water	0.12	J		0.046	0.51	1.00000	ug/L	139958		01/17/05 1402	dpk

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/21/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLMW-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.1	U		0.73	5.1	1.00000	ug/L	139958		01/17/05 1402	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	400			20	77	5.00000	ug/L	139958	D1	01/17/05 1449	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.6	10	1.00000	ug/L	139958		01/17/05 1402	dpk
	Benzo(b)fluoranthene, Low Level Water	0.41	U		0.068	0.41	1.00000	ug/L	139958		01/17/05 1402	dpk
	Benzo(k)fluoranthene, Low Level Water	0.41	U		0.073	0.41	1.00000	ug/L	139958		01/17/05 1402	dpk
	Benzo(a)pyrene, Low Level Water	0.41	U		0.086	0.41	1.00000	ug/L	139958		01/17/05 1402	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.41	U		0.088	0.41	1.00000	ug/L	139958		01/17/05 1402	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.41	U		0.13	0.41	1.00000	ug/L	139958		01/17/05 1402	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	139958		01/17/05 1402	dpk

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/26/2005				
CUSTOMER: WKM Engineers, Inc.			PROJECT: USACE RYAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: CBLMW-002-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 233426-4 Date Received.....: 01/13/2005 Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	HDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.45	U		0.099	0.45	1.00000	ug/L	140328		01/14/05 1444	san
	RDX	0.29	U		0.093	0.29	1.00000	ug/L	140328		01/14/05 1444	san
	1,3,5-Trinitrobenzene	0.29	U		0.084	0.29	1.00000	ug/L	140328		01/14/05 1444	san
	1,3-Dinitrobenzene	0.29	U		0.080	0.29	1.00000	ug/L	140328		01/14/05 1444	san
	Nitrobenzene	0.23	U		0.064	0.23	1.00000	ug/L	140328		01/14/05 1444	san
	2,4,6-TNT	0.36	U		0.11	0.36	1.00000	ug/L	140328		01/14/05 1444	san
	Tetryl	1.1	U		0.24	1.1	1.00000	ug/L	140328		01/14/05 1444	san
	2,4-Dinitrotoluene	0.52	U		0.18	0.52	1.00000	ug/L	140328		01/14/05 1444	san
	2,6-Dinitrotoluene	0.62	U		0.21	0.62	1.00000	ug/L	140328		01/14/05 1444	san
	2-Amino-4,6-Dinitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	140328		01/14/05 1444	san
	4-Amino-2,6-Dinitrotoluene	0.48	U		0.16	0.48	1.00000	ug/L	140328		01/14/05 1444	san
	2-Nitrotoluene	0.45	U		0.13	0.45	1.00000	ug/L	140328		01/14/05 1444	san
	4-Nitrotoluene	0.45	U		0.15	0.45	1.00000	ug/L	140328		01/14/05 1444	san
	3-Nitrotoluene	0.45	U		0.15	0.45	1.00000	ug/L	140328		01/14/05 1444	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.5	U		0.22	1.5	1.00000	ug/L	140322		01/14/05 1050	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: CBLmw-002-GW

Trace Level Organic Compounds

Lot-Sample #...: G5A130351-004 Work Order #...: G2KH91AC Matrix.....: WG
Date Sampled...: 01/12/05 13:30 Date Received...: 01/13/05
Prep Date.....: 01/17/05 Analysis Date...: 01/19/05
Prep Batch #...: 5017486
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: CBLmw-002-GW

General Chemistry

Lot-Sample #...: G5A130351-004
Date Sampled...: 01/12/05

Work Order #...: G2KH9
Date Received...: 01/13/05

Matrix.....: WG

<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	01/17-01/18/05	5017497
		MDL.....: 0.12				

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TEST METHOD		PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7196A	Hexavalent Chromium Hexavalent Chromium		0.0053	B	0.0016	0.010	1	mg/L	139432		01/13/05 1214	pmf

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS							Date:01/25/2005			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: CBLmw-003-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 15:00 Sample Matrix.....: Water			Laboratory Sample ID: 233426-5 Date Received.....: 01/13/2005 Time Received.....: 10:30									
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	139654		01/17/05 1804	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	139685		01/17/05 1616	daj
7421	Lead (GFAA) Lead	0.95		B	0.79	3.0	1	ug/L	139852		01/18/05 1856	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	139652		01/18/05 0209	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	139596		01/14/05 1454	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150		U	24	150	1	ug/L	139815		01/19/05 1710	tds
	Barium	39		U	1.3	10	1	ug/L	139815		01/19/05 1710	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	139815		01/19/05 1710	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	139815		01/19/05 1710	tds
	Calcium	13000		U	9.5	100	1	ug/L	139815		01/19/05 1710	tds
	Chromium	10		U	1.1	10	1	ug/L	139815		01/19/05 1710	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	139815		01/19/05 1710	tds
	Copper	10		U	2.2	10	1	ug/L	139815		01/19/05 1710	tds
	Iron	120		U	38	120	1	ug/L	139927		01/20/05 1535	tds
	Magnesium	2800		U	8.1	100	1	ug/L	139815		01/19/05 1710	tds
	Manganese	3.8		B	0.41	10	1	ug/L	139815		01/19/05 1710	tds
	Nickel	4.7		B	1.0	10	1	ug/L	139815		01/19/05 1710	tds
	Potassium	1100		U	66	500	1	ug/L	139815		01/19/05 1710	tds

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/25/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: EPTC ELLIS						
Customer Sample ID: CBLmw-003-GW			Laboratory Sample ID: 233426-5			Date Sampled.....: 01/12/2005		Date Received.....: 01/13/2005				
Time Sampled.....: 15:00			Time Received.....: 10:30			Sample Matrix.....: Water						
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	139815		01/19/05 1710	tds
	Silver	10	U		0.72	10	1	ug/L	139815		01/19/05 1710	tds
	Sodium	1400	B		490	1500	1	ug/L	139927		01/20/05 1535	tds
	Vanadium	10	U		1.0	10	1	ug/L	139815		01/19/05 1710	tds
	Zinc	17	B		1.6	30	1	ug/L	139815		01/19/05 1710	tds

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/27/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOC5				ATTN: Eric Ellis					
Customer Sample ID: CBLmw-003-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 15:00 Sample Matrix.....: Water			Laboratory Sample ID: 233426-5 Date Received.....: 01/13/2005 Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	140416		01/17/05 1652	kdL
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	140416		01/17/05 1652	kdL
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	140416		01/17/05 1652	kdL
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	140416		01/17/05 1652	kdL
	Endrin ketone	0.097	U	*	0.028	0.097	1.00000	ug/L	140416		01/17/05 1652	kdL
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	140416		01/17/05 1652	kdL

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/26/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLNW-003-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 15:00 Sample Matrix.....: Water			Laboratory Sample ID: 233426-5 Date Received.....: 01/13/2005 Time Received.....: 10:30									
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	140343		01/17/05 1929	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	140343		01/17/05 1929	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	140343		01/17/05 1929	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	140343		01/17/05 1929	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	140343		01/17/05 1929	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	140343		01/17/05 1929	bjt
	Aroclor 1260	0.58	U		0.17	0.58	1.00000	ug/L	140343		01/17/05 1929	bjt

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/20/2005				
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: C8Lmw-003-GW		Laboratory Sample ID: 233426-5		Date Sampled.....: 01/12/2005		Date Received.....: 01/13/2005		Time Sampled.....: 15:00		Time Received.....: 10:30		
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Acetone	10	U	*	1.8	10	1.00000	ug/L	139628		01/17/05 2117	jdh
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	139628		01/17/05 2117	jdh
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	2-Butanone (MEK)	10	U	*	1.2	10	1.00000	ug/L	139628		01/17/05 2117	jdh
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	4-Methyl-2-pentanone (MIBK)	10	U	*	0.65	10	1.00000	ug/L	139628		01/17/05 2117	jdh
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2117	jdh
	2-Hexanone	10	U	*	0.53	10	1.00000	ug/L	139628		01/17/05 2117	jdh

* In Description = Dry Wgt.

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Job Number: 233426	LABORATORY TEST RESULTS	Date: 01/20/2005
CUSTOMER: MKM Engineers, Inc.	PROJECT: USACE RYAAP 14 ADCS	ATTN: Eric Ellis

Customer Sample ID: CBLMW-003-GW
 Date Sampled.....: 01/12/2005
 Time Sampled.....: 15:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233426-5
 Date Received.....: 01/13/2005
 Time Received.....: 10:30

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	139628		01/17/05 2117	jdj
	1,2-Dibromoethane (EDB)	1.0	U	*	0.13	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	139628		01/17/05 2117	jdj

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/21/2005					
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis							
Customer Sample ID: CBLmw-003-GW		Date Sampled.....: 01/12/2005		Time Sampled.....: 15:00		Sample Matrix.....: Water		Laboratory Sample ID: 233426-5		Date Received.....: 01/13/2005		Time Received.....: 10:30	
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	5.1	U		0.35	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.082	0.51	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk	
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2,4-Dichlorophenol, Low Level Water	10	U		0.92	10	1.00000	ug/L	139958		01/17/05 1426	dpk	
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	139958		01/17/05 1426	dpk	
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.66	20	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2-Methylnaphthalene, Low Level Water	0.51	U		0.13	0.51	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk	
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk	

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/21/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: CBLMW-003-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 15:00 Sample Matrix.....: Water			Laboratory Sample ID: 233426-5 Date Received.....: 01/13/2005 Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	139958		01/17/05 1426	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	139958		01/17/05 1426	dpk
	2-Nitrophenol, Low Level Water	10	U		0.83	10	1.00000	ug/L	139958		01/17/05 1426	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	139958		01/17/05 1426	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	139958		01/17/05 1426	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	139958		01/17/05 1426	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	139958		01/17/05 1426	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.098	0.51	1.00000	ug/L	139958		01/17/05 1426	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.76	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	139958		01/17/05 1426	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	139958		01/17/05 1426	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	Carbazole, Low Level Water	5.1	U		0.29	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk
	Di-n-butyl phthalate, Low level Water	5.1	U		0.36	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	139958		01/17/05 1426	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	139958		01/17/05 1426	dpk
	Chrysene, Low Level Water	0.51	U		0.045	0.51	1.00000	ug/L	139958		01/17/05 1426	dpk

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/21/2005			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis					
Customer Sample ID: CBLmw-003-GW			Laboratory Sample ID: 233426-5			Date Sampled.....: 01/12/2005		Date Received.....: 01/13/2005			
Time Sampled.....: 15:00						Time Received.....: 10:30					
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	5.1	U	0.73	5.1	1.00000	ug/L	139958		01/17/05 1426	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	31		3.9	15	1.00000	ug/L	139958		01/17/05 1426	dpk
	Di-n-octyl phthalate, Low Level Water	10	U	2.5	10	1.00000	ug/L	139958		01/17/05 1426	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U	0.068	0.40	1.00000	ug/L	139958		01/17/05 1426	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U	0.073	0.40	1.00000	ug/L	139958		01/17/05 1426	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U	0.085	0.40	1.00000	ug/L	139958		01/17/05 1426	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U	0.087	0.40	1.00000	ug/L	139958		01/17/05 1426	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U	0.13	0.40	1.00000	ug/L	139958		01/17/05 1426	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U	0.19	1.0	1.00000	ug/L	139958		01/17/05 1426	dpk

* In Description = Dry Wgt.

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Job Number: 233426		LABORATORY TEST RESULTS						Date: 01/26/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: CBLMW-003-GW Date Sampled.....: 01/12/2005 Time Sampled.....: 15:00 Sample Matrix.....: Water			Laboratory Sample ID: 233426-5 Date Received.....: 01/13/2005 Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.32		U	0.070	0.32	1.00000	ug/L	140328		01/14/05 1516	san
	RDX	0.21		U	0.066	0.21	1.00000	ug/L	140328		01/14/05 1516	san
	1,3,5-Trinitrobenzene	0.21		U	0.060	0.21	1.00000	ug/L	140328		01/14/05 1516	san
	1,3-Dinitrobenzene	0.21		U	0.057	0.21	1.00000	ug/L	140328		01/14/05 1516	san
	Nitrobenzene	0.17		U	0.045	0.17	1.00000	ug/L	140328		01/14/05 1516	san
	2,4,6-TNT	0.26		U	0.081	0.26	1.00000	ug/L	140328		01/14/05 1516	san
	Tetryl	0.81		U	0.17	0.81	1.00000	ug/L	140328		01/14/05 1516	san
	2,4-Dinitrotoluene	0.37		U	0.13	0.37	1.00000	ug/L	140328		01/14/05 1516	san
	2,6-Dinitrotoluene	0.44		U	0.15	0.44	1.00000	ug/L	140328		01/14/05 1516	san
	2-Amino-4,6-Dinitrotoluene	0.37		U	0.12	0.37	1.00000	ug/L	140328		01/14/05 1516	san
	4-Amino-2,6-Dinitrotoluene	0.34		U	0.12	0.34	1.00000	ug/L	140328		01/14/05 1516	san
	2-Nitrotoluene	0.32		U	0.096	0.32	1.00000	ug/L	140328		01/14/05 1516	san
	4-Nitrotoluene	0.32		U	0.10	0.32	1.00000	ug/L	140328		01/14/05 1516	san
	3-Nitrotoluene	0.32		U	0.10	0.32	1.00000	ug/L	140328		01/14/05 1516	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0		U	0.16	1.0	1.00000	ug/L	140322		01/14/05 1125	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: CBLmw-003-GW

Trace Level Organic Compounds

Lot-Sample #...: G5A130351-005 Work Order #...: G2KJA1AC Matrix.....: WG
Date Sampled...: 01/12/05 15:00 Date Received...: 01/13/05
Prep Date.....: 01/17/05 Analysis Date...: 01/19/05
Prep Batch #...: 5017486
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: CBLmw-003-GW

General Chemistry

Lot-Sample #...: G5A130351-005 Work Order #...: G2KJA Matrix.....: WG
Date Sampled...: 01/12/05 Date Received...: 01/13/05

<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	01/17-01/18/05	5017497
		MDL.....: 0.12				

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Job Number: 233541		LABORATORY TEST RESULTS						Date: 02/01/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ACQS				ATTN: Eric Ellis					
Customer Sample ID: CBLmw-004-GW			Laboratory Sample ID: 233541-3									
Date Sampled.....: 01/17/2005			Date Received.....: 01/18/2005									
Time Sampled.....: 14:35			Time Received.....: 09:40									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7196A	Hexavalent Chromium Hexavalent Chromium	0.010	U		0.0016	0.010	1	mg/L	139649		01/18/05 1117	pmf

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233541

Date: 02/01/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE: RVAAP 14 ADGS

ATTN: Eric Elias

Customer Sample ID: CBLmw-004-GW
 Date Sampled.....: 01/17/2005
 Time Sampled.....: 14:35
 Sample Matrix.....: Water

Laboratory Sample ID: 233541-3
 Date Received.....: 01/18/2005
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	KL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	139858		01/19/05 1739	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	140084		01/20/05 1411	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	140165		01/20/05 1639	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	139832		01/19/05 1701	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	139868		01/19/05 1506	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	25		B	24	150	1	ug/L	140532		01/27/05 1438	tds
	Barium	32		B	1.3	10	1	ug/L	140532		01/27/05 1438	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	140532		01/27/05 1438	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	140646		01/28/05 1408	tds
	Calcium	6000		B	9.5	100	1	ug/L	140532		01/27/05 1438	tds
	Chromium	10		U	1.1	10	1	ug/L	140532		01/27/05 1438	tds
	Cobalt	2.6		B	0.80	5.0	1	ug/L	140646		01/28/05 1408	tds
	Copper	2.2		B	2.2	10	1	ug/L	140532		01/27/05 1438	tds
	Iron	43		B	38	120	1	ug/L	140532		01/27/05 1438	tds
	Magnesium	2300		B	8.1	100	1	ug/L	140646		01/28/05 1408	tds
	Manganese	140		B	0.41	10	1	ug/L	140532		01/27/05 1438	tds
	Nickel	14		B	1.0	10	1	ug/L	140532		01/27/05 1438	tds
	Potassium	1300		B	66	500	1	ug/L	140532		01/27/05 1438	tds

* In Description = Dry Wgt.

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Job Number: 233541 LABORATORY TEST RESULTS Date: 02/01/2005

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

Customer Sample ID: CBLmw-004-GW
 Date Sampled.....: 01/17/2005
 Time Sampled.....: 14:35
 Sample Matrix.....: Water

Laboratory Sample ID: 233541-3
 Date Received.....: 01/18/2005
 Time Received.....: 09:40

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	140532		01/27/05 1438	tds
	Silver	10		U	0.72	10	1	ug/L	140532		01/27/05 1438	tds
	Sodium	2000			490	1500	1	ug/L	140532		01/27/05 1438	tds
	Vanadium	10		U	1.0	10	1	ug/L	140532		01/27/05 1438	tds
	Zinc	13		B	1.6	30	1	ug/L	140532		01/27/05 1438	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233541 Date: 01/28/2005

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

Customer Sample ID: CBLM-004-GW
 Date Sampled.....: 01/17/2005
 Time Sampled.....: 14:35
 Sample Matrix.....: Water

Laboratory Sample ID: 233541-3
 Date Received.....: 01/18/2005
 Time Received.....: 09:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.16	U		0.049	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	beta-BHC	0.11	U		0.029	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	delta-BHC	0.11	U		0.026	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	gamma-BHC (Lindane)	0.16	U		0.044	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	Heptachlor	0.16	U		0.043	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	Aldrin	0.11	U		0.029	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	Heptachlor epoxide	0.16	U		0.038	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	Endosulfan I	0.11	U		0.022	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	Dieldrin	0.11	U		0.019	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	4,4'-DDE	0.11	U		0.024	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	Endrin	0.11	U		0.018	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	Endosulfan II	0.16	U		0.044	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	4,4'-DDD	0.12	U		0.038	0.12	1.00000	ug/L	140531		01/22/05 0155	kdl
	Endosulfan sulfate	0.16	U		0.046	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	4,4'-DDT	0.16	U		0.052	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	Methoxychlor	0.63	U		0.18	0.63	1.00000	ug/L	140531		01/22/05 0155	kdl
	alpha-Chlordane	0.053	U		0.017	0.053	1.00000	ug/L	140531		01/22/05 0155	kdl
	gamma-Chlordane	0.11	U		0.018	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	Endrin aldehyde	0.16	U		0.037	0.16	1.00000	ug/L	140531		01/22/05 0155	kdl
	Endrin ketone	0.11	U		0.031	0.11	1.00000	ug/L	140531		01/22/05 0155	kdl
	Toxaphene	0.53	U		0.15	0.53	1.00000	ug/L	140531		01/22/05 0155	kdl

* In Description = Dry Wgt.

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Job Number: 233541		LABORATORY TEST RESULTS						Date: 01/28/2005				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLm-004-GW Date Sampled.....: 01/17/2005 Time Sampled.....: 14:35 Sample Matrix.....: Water			Laboratory Sample ID: 233541-3 Date Received.....: 01/18/2005 Time Received.....: 09:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.63	U		0.19	0.63	1.00000	ug/L	140564		01/20/05 1345	bjt
	Aroclor 1221	1.4	U		0.44	1.4	1.00000	ug/L	140564		01/20/05 1345	bjt
	Aroclor 1232	1.4	U		0.37	1.4	1.00000	ug/L	140564		01/20/05 1345	bjt
	Aroclor 1242	1.4	U		0.45	1.4	1.00000	ug/L	140564		01/20/05 1345	bjt
	Aroclor 1248	1.6	U		0.51	1.6	1.00000	ug/L	140564		01/20/05 1345	bjt
	Aroclor 1254	1.4	U		0.37	1.4	1.00000	ug/L	140564		01/20/05 1345	bjt
	Aroclor 1260	0.63	U		0.18	0.63	1.00000	ug/L	140564		01/20/05 1345	bjt

* In Description = Dry Wgt.

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Job Number: 233541		LABORATORY TEST RESULTS						Date: 02/01/2005				
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: CBLmw-004-GW		Laboratory Sample ID: 233541-3		Date Sampled: 01/17/2005		Date Received: 01/18/2005		Time Sampled: 14:35		Time Received: 09:40		
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Vinyl chloride	1.0	U		0.080	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Bromomethane	1.0	U		0.10	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Chloroethane	1.0	U		0.080	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Carbon disulfide	5.0	U		0.20	5.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Acetone	10	U		1.8	10	1.0000	ug/L	140790		01/31/05 1512	jmp
	Methylene chloride	1.5	U		0.35	1.5	1.0000	ug/L	140790		01/31/05 1512	jmp
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	2-Butanone (MEK)	10	U		1.2	10	1.0000	ug/L	140790		01/31/05 1512	jmp
	Bromochloromethane	1.0	U		0.10	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Chloroform	1.0	U		0.11	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Carbon tetrachloride	1.0	U		0.13	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Benzene	1.0	U		0.090	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Trichloroethene	1.0	U		0.10	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Bromodichloromethane	1.0	U		0.11	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.0000	ug/L	140790		01/31/05 1512	jmp
	Toluene	1.0	U		0.10	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	Tetrachloroethene	1.0	U		0.090	1.0	1.0000	ug/L	140790		01/31/05 1512	jmp
	2-Hexanone	10	U		0.53	10	1.0000	ug/L	140790		01/31/05 1512	jmp

* In Description = Dry Wgt.

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Job Number: 233541		LABORATORY TEST RESULTS						Date:02/01/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: CBLmw-004-GW Date Sampled.....: 01/17/2005 Time Sampled.....: 14:35 Sample Matrix.....: Water			Laboratory Sample ID: 233541-3 Date Received.....: 01/18/2005 Time Received.....: 09:40									
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	140790		01/31/05 1512	jmp
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	140790		01/31/05 1512	jmp

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 233541						Date: 01/21/2005						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: CBLMW-004-GW Date Sampled.....: 01/17/2005 Time Sampled.....: 14:35 Sample Matrix.....: Water						Laboratory Sample ID: 233541-3 Date Received.....: 01/18/2005 Time Received.....: 09:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	5.2	U		0.36	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.1	U		0.31	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	1,3-Dichlorobenzene, Low Level Water	2.1	U		0.44	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	1,4-Dichlorobenzene, Low Level Water	2.1	U		0.34	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	1,2-Dichlorobenzene, Low Level Water	2.1	U		0.36	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	Benzyl alcohol, Low Level Water	21	U		2.3	21	1.00000	ug/L	139969		01/20/05 1438	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.1	U		0.27	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.1	U		0.29	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.52	U		0.084	0.52	1.00000	ug/L	139969		01/20/05 1438	dpk
	Hexachloroethane, Low Level Water	5.2	U		0.63	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.1	U		0.10	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	2-Chlorophenol, Low Level Water	5.2	U		0.12	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.1	U		0.32	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.1	U		0.35	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	Benzoic acid, Low Level Water	21	U		3.1	21	1.00000	ug/L	139969		01/20/05 1438	dpk
	Isophorone, Low Level Water	2.1	U		0.27	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	Hexachlorobutadiene, Low Level Water	5.2	U		0.66	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.94	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	4-Chloroaniline, Low Level Water	10	U		2.9	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.2	U		0.22	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	Hexachlorocyclopentadiene, Low Level Water	21	U		0.67	21	1.00000	ug/L	139969		01/20/05 1438	dpk
	2-Methylnaphthalene, Low Level Water	0.52	U		0.13	0.52	1.00000	ug/L	139969		01/20/05 1438	dpk
	2-Nitroaniline, Low Level Water	5.2	U		0.23	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	2-Chloronaphthalene, Low Level Water	2.1	U	*	0.27	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk

* In Description = Dry Wgt.

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Job Number: 233541		LABORATORY TEST RESULTS						Date: 01/21/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14-AOCS			ATTN: Eric Ellis						
Customer Sample ID: CBLM-004-GW			Laboratory Sample ID: 233541-3									
Date Sampled: 01/17/2005			Date Received: 01/18/2005									
Time Sampled: 14:35			Time Received: 09:40									
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.5	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,6-Dinitrotoluene, Low Level Water	0.52	U		0.11	0.52	1.00000	ug/L	139969		01/20/05 1438	dpk
	2-Nitrophenol, Low Level Water	10	U		0.85	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	3-Nitroaniline, Low Level Water	10	U		2.2	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	Dimethyl phthalate, Low Level Water	2.1	U		0.22	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,4-Dinitrophenol, Low Level Water	21	U		3.4	21	1.00000	ug/L	139969		01/20/05 1438	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	Dibenzofuran, Low Level Water	2.1	U		0.13	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	4-Nitrophenol, Low Level Water	21	U		3.8	21	1.00000	ug/L	139969		01/20/05 1438	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	4-Nitroaniline, Low Level Water	10	U		2.4	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.2	U		0.20	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Hexachlorobenzene, Low Level Water	0.52	U		0.10	0.52	1.00000	ug/L	139969		01/20/05 1438	dpk
	Diethyl phthalate, Low Level Water	2.1	U		0.15	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.2	U		0.77	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Pentachlorophenol, Low Level Water	10	U		1.8	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	21	U		2.5	21	1.00000	ug/L	139969		01/20/05 1438	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	Carbazole, Low Level Water	5.2	U		0.30	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Di-n-butyl phthalate, Low Level Water	5.2	U		0.37	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk
	Butyl benzyl phthalate, Low Level Water	2.1	U		0.40	2.1	1.00000	ug/L	139969		01/20/05 1438	dpk
	Benzo(a)anthracene, Low Level Water	0.21	U		0.051	0.21	1.00000	ug/L	139969		01/20/05 1438	dpk
	Chrysene, Low Level Water	0.52	U		0.046	0.52	1.00000	ug/L	139969		01/20/05 1438	dpk

* In Description = Dry Wgt.

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Job Number: 233541		LABORATORY TEST RESULTS						Date: 01/21/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: CBLMW-004-GW Date Sampled.....: 01/17/2005 Time Sampled.....: 14:35 Sample Matrix.....: Water			Laboratory Sample ID: 233541-3 Date Received.....: 01/18/2005 Time Received.....: 09:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.2	U		0.74	5.2	1.00000	ug/L	139969		01/20/05 1438	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		4.0	15	1.00000	ug/L	139969		01/20/05 1438	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.6	10	1.00000	ug/L	139969		01/20/05 1438	dpk
	Benzo(b)fluoranthene, Low Level Water	0.41	U		0.069	0.41	1.00000	ug/L	139969		01/20/05 1438	dpk
	Benzo(k)fluoranthene, Low Level Water	0.41	U		0.074	0.41	1.00000	ug/L	139969		01/20/05 1438	dpk
	Benzo(a)pyrene, Low Level Water	0.41	U		0.087	0.41	1.00000	ug/L	139969		01/20/05 1438	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.41	U		0.089	0.41	1.00000	ug/L	139969		01/20/05 1438	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.41	U		0.13	0.41	1.00000	ug/L	139969		01/20/05 1438	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.20	1.0	1.00000	ug/L	139969		01/20/05 1438	dpk

* In Description = Dry Wgt.

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Job Number: 233541		LABORATORY TEST RESULTS						Date: 01/27/2005					
CUSTOMER: WKM Engineers, Inc.			PROJECT: USACE RVAAP 1A AOCs				ATTN: Eric Ellis						
Customer Sample ID: CBLmw-004-GW Date Sampled.....: 01/17/2005 Time Sampled.....: 14:35 Sample Matrix.....: Water			Laboratory Sample ID: 233541-3 Date Received.....: 01/18/2005 Time Received.....: 09:40										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8330	Explosives by 8330 (HPLC)												
	HMX	0.37	U		0.082	0.37	1.00000	ug/L	140419		01/20/05 0529	san	
	RDX	0.24	U		0.077	0.24	1.00000	ug/L	140419		01/20/05 0529	san	
	1,3,5-Trinitrobenzene	0.24	U		0.070	0.24	1.00000	ug/L	140419		01/20/05 0529	san	
	1,3-Dinitrobenzene	0.24	U		0.066	0.24	1.00000	ug/L	140419		01/20/05 0529	san	
	Nitrobenzene	0.19	U		0.053	0.19	1.00000	ug/L	140419		01/20/05 0529	san	
	2,4,6-TMT	0.30	U		0.094	0.30	1.00000	ug/L	140419		01/20/05 0529	san	
	Tetryl	0.94	U		0.20	0.94	1.00000	ug/L	140419		01/20/05 0529	san	
	2,4-Dinitrotoluene	0.43	U		0.15	0.43	1.00000	ug/L	140419		01/20/05 0529	san	
	2,6-Dinitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	140419		01/20/05 0529	san	
	2-Amino-4,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	140419		01/20/05 0529	san	
	4-Amino-2,6-Dinitrotoluene	0.40	U		0.14	0.40	1.00000	ug/L	140419		01/20/05 0529	san	
	2-Nitrotoluene	0.37	U		0.11	0.37	1.00000	ug/L	140419		01/20/05 0529	san	
	4-Nitrotoluene	0.37	U		0.12	0.37	1.00000	ug/L	140419		01/20/05 0529	san	
	3-Nitrotoluene	0.37	U		0.12	0.37	1.00000	ug/L	140419		01/20/05 0529	san	
8332M	NG/PETN by 8332M (HPLC)												
	Nitroglycerine	1.2	U		0.18	1.2	1.00000	ug/L	140421		01/26/05 1123	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: CBLmw-004-GW

Trace Level Organic Compounds

Lot-Sample #...: G5A180271-002 Work Order #...: G2R1N1AC Matrix.....: WATER
Date Sampled...: 01/17/05 14:35 Date Received...: 01/18/05
Prep Date.....: 01/21/05 Analysis Date...: 01/25/05
Prep Batch #...: 5021357
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: CBLmw-004-GW

General Chemistry

Lot-Sample #....: G5A180271-002
Date Sampled....: 01/17/05

Work Order #....: G2R1N
Date Received...: 01/18/05

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	0.13 B,J	0.50	mg/L	MCAWW 353.2	01/26-01/28/05	5027495
		MDL.....: 0.12				

NOTE(S):

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

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: L12mw-088-GW Date Sampled.....: 10/26/2004 Time Sampled.....: 15:50 Sample Matrix.....: Water			Laboratory Sample ID: 231465-7 Date Received.....: 10/28/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	133944		11/10/04 1258	kd

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-088-GW			Laboratory Sample ID: 231465-7									
Date Sampled: 10/26/2004			Date Received: 10/28/2004									
Time Sampled: 15:50			Time Received: 09:45									
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2025	daj
7060A	Arsenic (GFAA) Arsenic	19			0.51	2.0	1	ug/L	133659		11/09/04 0905	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	133505		11/05/04 1521	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133162		11/03/04 2350	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	133104		11/03/04 1459	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	130	B		24	150	1	ug/L	133264		11/04/04 1850	tds
	Barium	490			1.5	10	1	ug/L	133264		11/04/04 1850	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133264		11/04/04 1850	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133264		11/04/04 1850	tds
	Calcium	86000			24	100	1	ug/L	133264		11/04/04 1850	tds
	Chromium	2.0	B		1.5	10	1	ug/L	133264		11/04/04 1850	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	133264		11/04/04 1850	tds
	Copper	2.8	B		1.6	10	1	ug/L	133264		11/04/04 1850	tds
	Iron	1600			40	120	1	ug/L	133264		11/04/04 1850	tds
	Magnesium	25000			12	100	1	ug/L	133264		11/04/04 1850	tds
	Manganese	150			0.71	10	1	ug/L	133264		11/04/04 1850	tds
	Nickel	16			1.9	10	1	ug/L	133264		11/04/04 1850	tds
	Potassium	18000			110	500	1	ug/L	133264		11/04/04 1850	tds

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-088-GW			Laboratory Sample ID: 231465-7									
Date Sampled.....: 10/26/2004			Date Received.....: 10/28/2004									
Time Sampled.....: 15:50			Time Received.....: 09:45									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	133264		11/04/04 1850	tds
	Silver	10	U		3.1	10	1	ug/L	133264		11/04/04 1850	tds
	Sodium	19000			500	1500	1	ug/L	133264		11/04/04 1850	tds
	Vanadium	10	U		2.1	10	1	ug/L	133264		11/04/04 1850	tds
	Zinc	30	U		10	30	1	ug/L	133264		11/04/04 1850	tds

* In Description = Dry Wgt.

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Job Number: 231465 LABORATORY TEST RESULTS Date: 11/10/2004

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

Customer Sample ID: L12MM-088-GW
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-7
 Date Received.....: 10/28/2004
 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	133797		11/06/04 0356	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	133797		11/06/04 0356	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	133797		11/06/04 0356	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	133797		11/06/04 0356	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	133797		11/06/04 0356	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	133797		11/06/04 0356	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	133797		11/06/04 0356	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	133797		11/06/04 0356	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	133797		11/06/04 0356	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	133797		11/06/04 0356	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	133797		11/06/04 0356	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	133797		11/06/04 0356	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	133797		11/06/04 0356	kdl

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-088-GW
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-7
 Date Received.....: 10/28/2004
 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	133999		11/09/04 0455	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	133999		11/09/04 0455	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	133999		11/09/04 0455	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	133999		11/09/04 0455	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	133999		11/09/04 0455	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	133999		11/09/04 0455	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	133999		11/09/04 0455	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465 Date: 11/11/2004

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

Customer Sample ID: L12mw-088-GW
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-7
 Date Received.....: 10/28/2004
 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	1.0000	ug/L	133786		11/09/04 1637	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Bromomethane	1.0	U		0.10	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Chloroethane	1.0	U		0.080	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Acetone	74	U		1.8	10	1.0000	ug/L	133786		11/09/04 1637	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.0000	ug/L	133786		11/09/04 1637	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	2-Butanone (MEK)	8.3	J		1.2	10	1.0000	ug/L	133786		11/09/04 1637	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Chloroform	1.0	U		0.11	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Benzene	1.0	U		0.090	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	cis-1,3-Dichloropropane	1.0	U		0.12	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	4-Methyl-2-pentanone (MIBK)	8.3	J		0.65	10	1.0000	ug/L	133786		11/09/04 1637	jdj
	Toluene	1.0	U		0.10	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	trans-1,3-Dichloropropane	1.0	U		0.15	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.0000	ug/L	133786		11/09/04 1637	jdj
	2-Hexanone	10	U		0.53	10	1.0000	ug/L	133786		11/09/04 1637	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/11/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGGS

ATTN: Eric Ellis

Customer Sample ID: L12mw-088-GW
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-7
 Date Received.....: 10/28/2004
 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	133786		11/09/04 1637	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	133786		11/09/04 1637	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L12NW-088-GW
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-7
 Date Received.....: 10/28/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	25			0.35	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134460		11/04/04 1850	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134460		11/04/04 1850	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.9	U		0.10	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Benzoic acid, Low Level Water	15	J		3.0	20	1.00000	ug/L	134460		11/04/04 1850	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134460		11/04/04 1850	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134460		11/04/04 1850	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/16/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-088-GW
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-7
 Date Received.....: 10/28/2004
 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	10	U		2.4	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	134460		11/04/04 1850	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	134460		11/04/04 1850	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134460		11/04/04 1850	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	134460		11/04/04 1850	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 1850	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134460		11/04/04 1850	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	134460		11/04/04 1850	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/16/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-088-GW
 Date Sampled.....: 10/26/2004
 Time Sampled.....: 15:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-7
 Date Received.....: 10/28/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	134460		11/04/04 1850	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134460		11/04/04 1850	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	134460		11/04/04 1850	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	134460		11/04/04 1850	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	134460		11/04/04 1850	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	134460		11/04/04 1850	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	134460		11/04/04 1850	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	134460		11/04/04 1850	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134460		11/04/04 1850	dpk

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AOCs				ATTN: Eric Elias					
Customer Sample ID: L12mw-088-GW Date Sampled.....: 10/26/2004 Time Sampled.....: 15:50 Sample Matrix.....: Water			Laboratory Sample ID: 231465-7 Date Received.....: 10/28/2004 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	0.31	U		0.068	0.31	1.00000	ug/L	133990		11/11/04 1012	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	133990		11/11/04 1012	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	133990		11/11/04 1012	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	133990		11/11/04 1012	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	133990		11/11/04 1012	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	133990		11/11/04 1012	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	133990		11/11/04 1012	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	133990		11/11/04 1012	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	133990		11/11/04 1012	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	133990		11/11/04 1012	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	133990		11/11/04 1012	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	133990		11/11/04 1012	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	133990		11/11/04 1012	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	133990		11/11/04 1012	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	133919		11/08/04 1536	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12MW-088-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J280367-001 Work Order #...: GVQ4G1AC
Date Sampled...: 10/26/04 15:50 Date Received...: 10/28/04
Prep Date.....: 11/03/04 Analysis Date...: 11/03/04
Prep Batch #...: 4308301
Dilution Factor: 1

Matrix.....: WG

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: L12MW-088-GW

General Chemistry

Lot-Sample #...: G4J280367-001 Work Order #...: GVQ4G
Date Sampled...: 10/26/04 15:50 Date Received...: 10/28/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol...: 40 mL	
		MDL.....: 0.12				

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Job Number: 231465		LABORATORY TEST RESULTS					Date: 11/12/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L12mw-107-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 231465-B Date Received.....: 10/28/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	o	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.57			0.057	0.20	1	mg/L	133944		11/10/04 1258	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/11/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L12mw-107-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-8
 Date Received.....: 10/28/2004
 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	133152		11/03/04 2035	daj
7060A	Arsenic (GFAA) Arsenic	19			0.51	2.0	1	ug/L	133659		11/09/04 0744	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	133505		11/05/04 1534	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	133162		11/04/04 0016	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	133104		11/03/04 1501	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum	61		B	24	150	1	ug/L	133264		11/04/04 1856	tds
	Barium	32			1.5	10	1	ug/L	133264		11/04/04 1856	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	133264		11/04/04 1856	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	133264		11/04/04 1856	tds
	Calcium	150000			24	100	1	ug/L	133264		11/04/04 1856	tds
	Chromium	2.4		B	1.5	10	1	ug/L	133264		11/04/04 1856	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	133264		11/04/04 1856	tds
	Copper	2.1		B	1.6	10	1	ug/L	133264		11/04/04 1856	tds
	Iron	2300			40	120	1	ug/L	133264		11/04/04 1856	tds
	Magnesium	63000			12	100	1	ug/L	133264		11/04/04 1856	tds
	Manganese	180			0.71	10	1	ug/L	133264		11/04/04 1856	tds
	Nickel	10		U	1.9	10	1	ug/L	133264		11/04/04 1856	tds
	Potassium	6200			110	500	1	ug/L	133264		11/04/04 1856	tds

* In Description = Dry Wgt.

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Job Number: 231465 LABORATORY TEST RESULTS Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 1A ADCS ATTN: Eric Ellis

Customer Sample ID: L12mw-107-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-8
 Date Received.....: 10/28/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U	5.0	15	1	ug/L	133264		11/04/04 1856	tds
	Silver	10	U	3.1	10	1	ug/L	133264		11/04/04 1856	tds
	Sodium	18000		500	1500	1	ug/L	133264		11/04/04 1856	tds
	Vanadium	10	U	2.1	10	1	ug/L	133264		11/04/04 1856	tds
	Zinc	30	U	10	30	1	ug/L	133264		11/04/04 1856	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/10/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP T4 AOC5

ATTN: Eric Ellis

Customer Sample ID: L12mw-107-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-8
 Date Received.....: 10/28/2004
 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	133797		11/06/04 0421	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	133797		11/06/04 0421	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	133797		11/06/04 0421	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	133797		11/06/04 0421	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	133797		11/06/04 0421	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	133797		11/06/04 0421	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	133797		11/06/04 0421	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	133797		11/06/04 0421	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	133797		11/06/04 0421	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	133797		11/06/04 0421	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	133797		11/06/04 0421	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	133797		11/06/04 0421	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	133797		11/06/04 0421	kdl

* In Description = Dry Wgt.

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Job Number: 231465 LABORATORY TEST RESULTS Date: 11/11/2004

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

Customer Sample ID: L12mm-107-GW Laboratory Sample ID: 231465-8
 Date Sampled.....: 10/27/2004 Date Received.....: 10/28/2004
 Time Sampled.....: 09:45 Time Received.....: 09:45
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	133999		11/09/04 0530	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	133999		11/09/04 0530	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	133999		11/09/04 0530	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	133999		11/09/04 0530	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	133999		11/09/04 0530	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	133999		11/09/04 0530	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	133999		11/09/04 0530	bjt

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004					
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Elits							
Customer Sample ID: L12mw-107-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 231465-8 Date Received.....: 10/28/2004 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	133786		11/09/04 1555	jdj	
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Acetone	10	U		1.8	10	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	133786		11/09/04 1555	jdj	
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1555	jdj	
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	133786		11/09/04 1555	jdj	

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Elits						
Customer Sample ID: L12mw-107-GW			Laboratory Sample ID: 231465-8									
Date Sampled.....: 10/27/2004			Date Received.....: 10/28/2004									
Time Sampled.....: 09:45			Time Received.....: 09:45									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	m,p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	133786		11/09/04 1555	jdh

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-107-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-8
 Date Received.....: 10/28/2004
 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	5.1	U	0.35	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U	0.30	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U	0.43	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U	0.33	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U	0.35	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Benzyl alcohol, Low Level Water	20	U	2.2	20	1.00000	ug/L	134460		11/04/04 1912	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U	0.28	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U	0.082	0.51	1.00000	ug/L	134460		11/04/04 1912	dpk
	Hexachloroethane, Low Level Water	5.1	U	0.62	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U	0.10	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	2-Chlorophenol, Low Level Water	5.1	U	0.12	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Nitrobenzene, Low Level Water	1.0	U	0.16	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U	0.31	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U	0.34	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Benzoic acid, Low Level Water	20	U	3.0	20	1.00000	ug/L	134460		11/04/04 1912	dpk
	Isophorone, Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,4-Dimethylphenol, Low Level Water	10	U	1.3	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U	0.65	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Naphthalene, Low Level Water	1.0	U	0.16	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,4-Dichlorophenol, Low Level Water	10	U	0.92	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	4-Chloroaniline, Low Level Water	10	U	2.8	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U	0.21	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U	1.4	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U *	0.66	20	1.00000	ug/L	134460		11/04/04 1912	dpk
	2-Methylnaphthalene, Low Level Water	0.51	U	0.13	0.51	1.00000	ug/L	134460		11/04/04 1912	dpk
	2-Nitroaniline, Low Level Water	5.1	U	0.22	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RUAAP TA A05

ATTN: Eric Ellis

Customer Sample ID: L12mw-107-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-8
 Date Received.....: 10/28/2004
 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	10	U		2.4	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	134460		11/04/04 1912	dpk
	2-Nitrophenol, Low Level Water	10	U		0.83	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	134460		11/04/04 1912	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134460		11/04/04 1912	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.098	0.51	1.00000	ug/L	134460		11/04/04 1912	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.76	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 1912	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Carbazole, Low Level Water	5.1	U		0.29	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.36	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134460		11/04/04 1912	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134460		11/04/04 1912	dpk
	Chrysene, Low Level Water	0.51	U		0.045	0.51	1.00000	ug/L	134460		11/04/04 1912	dpk

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-107-GW			Laboratory Sample ID: 231465-8									
Date Sampled.....: 10/27/2004			Date Received.....: 10/28/2004									
Time Sampled.....: 09:45			Time Received.....: 09:45									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.1	U		0.73	5.1	1.00000	ug/L	134460		11/04/04 1912	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134460		11/04/04 1912	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	134460		11/04/04 1912	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.068	0.40	1.00000	ug/L	134460		11/04/04 1912	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.073	0.40	1.00000	ug/L	134460		11/04/04 1912	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	134460		11/04/04 1912	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.087	0.40	1.00000	ug/L	134460		11/04/04 1912	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	134460		11/04/04 1912	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134460		11/04/04 1912	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465 Date: 11/17/2004

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

Customer Sample ID: L12mw-107-GW Laboratory Sample ID: 231465-8
 Date Sampled.....: 10/27/2004 Date Received.....: 10/28/2004
 Time Sampled.....: 09:45 Time Received.....: 09:45
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	133990		11/11/04 1044	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	133990		11/11/04 1044	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	133990		11/11/04 1044	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	133990		11/11/04 1044	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	133990		11/11/04 1044	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	133990		11/11/04 1044	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	133990		11/11/04 1044	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	133990		11/11/04 1044	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	133990		11/11/04 1044	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	133990		11/11/04 1044	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	133990		11/11/04 1044	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	133990		11/11/04 1044	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	133990		11/11/04 1044	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	133990		11/11/04 1044	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	133919		11/08/04 1612	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12MW-107-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J280367-002 Work Order #...: GVQ4J1AC
Date Sampled...: 10/27/04 09:45 Date Received...: 10/28/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
Dilution Factor: 1 Initial Wgt/Vol: 10 mL

Matrix.....: WG

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: L12MW-107-GW

General Chemistry

Lot-Sample #...: G4J280367-002 Work Order #...: GVQ4J
Date Sampled...: 10/27/04 09:45 Date Received...: 10/28/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol...: 40 mL	
		MDL.....: 0.12				

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/23/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-113-GW Date Sampled.....: 11/05/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 231757-8 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.51			0.057	0.20	1	mg/L	134627		11/17/04 1301	kd

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-113-GW Date Sampled.....: 11/05/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 231757-8 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	134574		11/16/04 1409	daj
7060A	Arsenic (GFAA) Arsenic	12			0.51	2.0	1	ug/L	134614		11/15/04 1155	daj
7421	Lead (GFAA) Lead	3.9			0.79	3.0	1	ug/L	134350		11/13/04 0341	daj
7841	Thallium (GFAA) Thallium	2.9		B	1.3	4.0	1	ug/L	134456		11/16/04 0207	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	134293		11/12/04 1437	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	1400			24	150	1	ug/L	134280		11/13/04 1446	tds
	Barium	44			1.5	10	1	ug/L	134280		11/13/04 1446	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	134280		11/13/04 1446	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	134280		11/13/04 1446	tds
	Calcium	210000			24	100	1	ug/L	134280		11/13/04 1446	tds
	Chromium	2.4		B	1.5	10	1	ug/L	134280		11/13/04 1446	tds
	Cobalt	3.5		B	1.0	5.0	1	ug/L	134280		11/13/04 1446	tds
	Copper	3.4		B	1.6	10	1	ug/L	134280		11/13/04 1446	tds
	Iron	4400			40	120	1	ug/L	134280		11/13/04 1446	tds
	Magnesium	80000			12	100	1	ug/L	134280		11/13/04 1446	tds
	Manganese	1400			0.71	10	1	ug/L	134280		11/13/04 1446	tds
	Nickel	8.0		B	1.9	10	1	ug/L	134280		11/13/04 1446	tds
	Potassium	7600			110	500	1	ug/L	134280		11/13/04 1446	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: NDM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-113-GW Date Sampled.....: 11/05/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 231757-8 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	134280		11/13/04 1446	tds
	Silver	10	U		3.1	10	1	ug/L	134280		11/13/04 1446	tds
	Sodium	27000			500	1500	1	ug/L	134280		11/13/04 1446	tds
	Vanadium	10	U		2.1	10	1	ug/L	134280		11/13/04 1446	tds
	Zinc	20	B		10	30	1	ug/L	134280		11/13/04 1446	tds

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 12/02/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYMAP 14 AGCS				ATTN: Eric Elise					
Customer Sample ID: L12mw-113-GH Date Sampled.....: 11/05/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 231757-8 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	135869		11/10/04 0544	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	135869		11/10/04 0544	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	135869		11/10/04 0544	kdL
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	135869		11/10/04 0544	kdL
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	135869		11/10/04 0544	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	135869		11/10/04 0544	kdL

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date:12/01/2004				
CUSTOMER: NCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-113-GW Date Sampled.....: 11/05/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water			Laboratory Sample ID: 231757-8 Date Received.....: 11/06/2004 Time Received.....: 11:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	135625		11/10/04 1418	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	135625		11/10/04 1418	bjt
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	135625		11/10/04 1418	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	135625		11/10/04 1418	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	135625		11/10/04 1418	bjt
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	135625		11/10/04 1418	bjt
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	135625		11/10/04 1418	bjt

* In Description = Dry Wgt.

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Job Number: 231757		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: L12mw-113-GW			Laboratory Sample ID: 231757-8									
Date Sampled.....: 11/05/2004			Date Received.....: 11/06/2004									
Time Sampled.....: 08:50			Time Received.....: 11:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Vinyl chloride	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Bromomethane	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Chloroethane	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,1-Dichloroethene	1.0		U	0.12	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Carbon disulfide	5.0		U	0.20	5.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Acetone	10		U	1.8	10	1.00000	ug/L	134097		11/12/04 0423	jdj
	Methylene chloride	1.5		U	0.35	1.5	1.00000	ug/L	134097		11/12/04 0423	jdj
	trans-1,2-Dichloroethene	1.0		U	0.14	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,1-Dichloroethane	1.0		U	0.11	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	cis-1,2-Dichloroethene	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	2-Butanone (MEK)	10		U	1.2	10	1.00000	ug/L	134097		11/12/04 0423	jdj
	Bromochloromethane	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Chloroform	1.0		U	0.11	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,1,1-Trichloroethane	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Carbon tetrachloride	1.0		U	0.13	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Benzene	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,2-Dichloroethane	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Trichloroethene	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,2-Dichloropropane	1.0		U	0.12	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Bromodichloromethane	1.0		U	0.11	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	cis-1,3-Dichloropropene	1.0		U	0.12	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	4-Methyl-2-pentanone (MIBK)	10		U	0.65	10	1.00000	ug/L	134097		11/12/04 0423	jdj
	Toluene	1.0		U	0.10	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	trans-1,3-Dichloropropene	1.0		U	0.15	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,1,2-Trichloroethane	1.0		U	0.15	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Tetrachloroethene	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	2-Hexanone	10		U	0.53	10	1.00000	ug/L	134097		11/12/04 0423	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/18/2004

CUSTOMER: HKN Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12MW-113-GW
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231757-8
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0		U	0.060	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,2-Dibromoethane (EDB)	1.0		U	0.13	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Chlorobenzene	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Ethylbenzene	1.0		U	0.070	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	m&p-Xylenes	2.0		U	0.18	2.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	o-Xylene	1.0		U	0.080	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Styrene	1.0		U	0.13	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Bromoform	1.0		U	0.11	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,1,2,2-Tetrachloroethane	1.0		U	0.090	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	1,2-Dichloroethene (total)	1.0		U	0.23	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj
	Xylenes (total)	1.0		U	0.28	1.0	1.00000	ug/L	134097		11/12/04 0423	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-113-BW
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231757-8
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	135729		11/26/04 1826	glr
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U	*	0.28	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	135729		11/26/04 1826	glr
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	135729		11/26/04 1826	glr
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	135729		11/26/04 1826	glr
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	135729		11/26/04 1826	glr
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	135729		11/26/04 1826	glr
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	135729		11/26/04 1826	glr
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	135729		11/26/04 1826	glr
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	135729		11/26/04 1826	glr
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	135729		11/26/04 1826	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/30/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-113-GW
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231757-8
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	135729		11/26/04 1826	glr
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	135729		11/26/04 1826	glr
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	135729		11/26/04 1826	glr
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	135729		11/26/04 1826	glr
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	135729		11/26/04 1826	glr
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	135729		11/26/04 1826	glr
	Fluorene, Low level Water	1.0	U		0.13	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	135729		11/26/04 1826	glr
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	135729		11/26/04 1826	glr
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	135729		11/26/04 1826	glr
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	135729		11/26/04 1826	glr
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	135729		11/26/04 1826	glr
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	135729		11/26/04 1826	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231757								Date: 11/30/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RYAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L12mw-113-GW Date Sampled.....: 11/05/2004 Time Sampled.....: 08:50 Sample Matrix.....: Water						Laboratory Sample ID: 231757-8 Date Received.....: 11/06/2004 Time Received.....: 11:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	135729		11/26/04 1826	glr
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	135729		11/26/04 1826	glr
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	135729		11/26/04 1826	glr
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	135729		11/26/04 1826	glr
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	135729		11/26/04 1826	glr
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	135729		11/26/04 1826	glr
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	135729		11/26/04 1826	glr
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	135729		11/26/04 1826	glr
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	135729		11/26/04 1826	glr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231757

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACSS

ATTN: Eric Ellis

Customer Sample ID: L12mw-113-GW
 Date Sampled.....: 11/05/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231757-8
 Date Received.....: 11/06/2004
 Time Received.....: 11:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.57		U	0.12	0.57	1.00000	ug/L	134865		11/13/04 2204	san
	RDX	0.37		U	0.12	0.37	1.00000	ug/L	134865		11/13/04 2204	san
	1,3,5-Trinitrobenzene	0.37		U	0.11	0.37	1.00000	ug/L	134865		11/13/04 2204	san
	1,3-Dinitrobenzene	0.37		U	0.10	0.37	1.00000	ug/L	134865		11/13/04 2204	san
	Nitrobenzene	0.29		U	0.081	0.29	1.00000	ug/L	134865		11/13/04 2204	san
	2,4,6-TNT	0.46		U	0.14	0.46	1.00000	ug/L	134865		11/13/04 2204	san
	Tetryl	1.4		U	0.30	1.4	1.00000	ug/L	134865		11/13/04 2204	san
	2,4-Dinitrotoluene	0.66		U	0.22	0.66	1.00000	ug/L	134865		11/13/04 2204	san
	2,6-Dinitrotoluene	0.79		U	0.26	0.79	1.00000	ug/L	134865		11/13/04 2204	san
	2-Amino-4,6-Dinitrotoluene	0.66		U	0.22	0.66	1.00000	ug/L	134865		11/13/04 2204	san
	4-Amino-2,6-Dinitrotoluene	0.61		U	0.21	0.61	1.00000	ug/L	134865		11/13/04 2204	san
	2-Nitrotoluene	0.57		U	0.17	0.57	1.00000	ug/L	134865		11/13/04 2204	san
	4-Nitrotoluene	0.57		U	0.18	0.57	1.00000	ug/L	134865		11/13/04 2204	san
	3-Nitrotoluene	0.57		U	0.19	0.57	1.00000	ug/L	134865		11/13/04 2204	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.8		U	0.28	1.8	1.00000	ug/L	134869		11/10/04 0508	san

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: L12mw-113-GW

Trace Level Organic Compounds

Lot-Sample #...: G4K060194-003 Work Order #...: GWFAC1AC Matrix.....: WATER
Date Sampled...: 11/05/04 08:50 Date Received...: 11/06/04
Prep Date.....: 11/08/04 Analysis Date...: 11/11/04
Prep Batch #...: 4313492
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: L12mw-113-GW

General Chemistry

Lot-Sample #...: G4K060194-003

Work Order #...: GWFAC

Matrix.....: WATER

Date Sampled...: 11/05/04

Date Received...: 11/06/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/11-11/13/04	4316571
		MDL.....: 0.12				

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: HDM Engineers, Inc.			PROJECT: USACE RVRAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-128-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231465-6 Date Received.....: 10/28/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	133944		11/10/04 1257	kd

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: HKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-128-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231465-6 Date Received.....: 10/28/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DETECTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133152		11/03/04 2015	daj
7060A	Arsenic (GFAA) Arsenic	61			2.6	10	5	ug/L	133659		11/09/04 0709	daj
7421	Lead (GFAA) Lead	0.94		B	0.79	3.0	1	ug/L	133505		11/05/04 1455	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	133162		11/03/04 2337	daj
7470A	Mercury (CVAA) Mercury	0.19		B	0.049	0.20	1	ug/L	133104		11/03/04 1452	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	45		B	24	150	1	ug/L	133264		11/04/04 1816	tds
	Barium	64			1.5	10	1	ug/L	133264		11/04/04 1816	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	133264		11/04/04 1816	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	133264		11/04/04 1816	tds
	Calcium	230000			24	100	1	ug/L	133264		11/04/04 1816	tds
	Chromium	10		U	1.5	10	1	ug/L	133264		11/04/04 1816	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	133264		11/04/04 1816	tds
	Copper	1.8		B	1.6	10	1	ug/L	133264		11/04/04 1816	tds
	Iron	5900			40	120	1	ug/L	133264		11/04/04 1816	tds
	Magnesium	130000			12	100	1	ug/L	133264		11/04/04 1816	tds
	Manganese	200			0.71	10	1	ug/L	133264		11/04/04 1816	tds
	Nickel	10		U	1.9	10	1	ug/L	133264		11/04/04 1816	tds
	Potassium	2900			110	500	1	ug/L	133264		11/04/04 1816	tds

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADGS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-128-GW			Laboratory Sample ID: 231465-6									
Date Sampled: 10/27/2004			Date Received: 10/28/2004									
Time Sampled: 14:15			Time Received: 09:45									
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	133264		11/04/04 1816	tds
	Silver	10	U		3.1	10	1	ug/L	133264		11/04/04 1816	tds
	Sodium	26000			500	1500	1	ug/L	133264		11/04/04 1816	tds
	Vanadium	10	U		2.1	10	1	ug/L	133264		11/04/04 1816	tds
	Zinc	30	U		10	30	1	ug/L	133264		11/04/04 1816	tds

* In Description = Dry Wgt.

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Job Number: 231465 LABORATORY TEST RESULTS Date: 11/10/2004

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

Customer Sample ID: L12mw-128-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-6
 Date Received.....: 10/28/2004
 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	133797		11/06/04 0331	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	133797		11/06/04 0331	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	133797		11/06/04 0331	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	133797		11/06/04 0331	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	133797		11/06/04 0331	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	133797		11/06/04 0331	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	133797		11/06/04 0331	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	133797		11/06/04 0331	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	133797		11/06/04 0331	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	133797		11/06/04 0331	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	133797		11/06/04 0331	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	133797		11/06/04 0331	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	133797		11/06/04 0331	kdl

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKK Engineers, Inc.			PROJECT: USACE RMAAP 14 AGDS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-128-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231465-6 Date Received.....: 10/28/2004 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	133999		11/09/04 0420	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	133999		11/09/04 0420	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	133999		11/09/04 0420	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	133999		11/09/04 0420	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	133999		11/09/04 0420	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	133999		11/09/04 0420	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	133999		11/09/04 0420	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231465								Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGES				ATTN: Eric Ellis				
Customer Sample ID: L12mw-128-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water						Laboratory Sample ID: 231465-6 Date Received.....: 10/28/2004 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	133786		11/09/04 1513	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	133786		11/09/04 1513	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	133786		11/09/04 1513	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	133786		11/09/04 1513	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	133786		11/09/04 1513	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1513	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	133786		11/09/04 1513	jdj

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-128-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231465-6 Date Received.....: 10/28/2004 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	133786		11/09/04 1513	jdh
	1,2-Dibromoethane (EDB)	1.0		U	0.13	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	Chlorobenzene	1.0		U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	Ethylbenzene	1.0		U	0.070	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	m&p-Xylenes	2.0		U	0.18	2.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	o-Xylene	1.0		U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	Styrene	1.0		U	0.13	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	Bromoform	1.0		U	0.11	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	1,1,2,2-Tetrachloroethane	1.0		U	0.090	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	1,2-Dichloroethene (total)	1.0		U	0.23	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh
	Xylenes (total)	1.0		U	0.28	1.0	1.00000	ug/L	133786		11/09/04 1513	jdh

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USAGE RYRAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-128-GW Date Sampled.....: 10/27/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231465-6 Date Received.....: 10/28/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134460		11/04/04 1828	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134460		11/04/04 1828	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	134460		11/04/04 1828	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134460		11/04/04 1828	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134460		11/04/04 1828	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 1A ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-128-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-6
 Date Received.....: 10/28/2004
 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	10	U		2.4	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	134460		11/04/04 1828	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	134460		11/04/04 1828	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134460		11/04/04 1828	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	134460		11/04/04 1828	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 1828	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134460		11/04/04 1828	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	134460		11/04/04 1828	dpk

* In Description = Dry Wgt.

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Job Number: 231465		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-128-GW			Laboratory Sample ID: 231465-6									
Date Sampled.....: 10/27/2004			Date Received.....: 10/28/2004									
Time Sampled.....: 14:15			Time Received.....: 09:45									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	134460		11/04/04 1828	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134460		11/04/04 1828	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	134460		11/04/04 1828	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	134460		11/04/04 1828	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	134460		11/04/04 1828	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	134460		11/04/04 1828	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	134460		11/04/04 1828	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	134460		11/04/04 1828	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134460		11/04/04 1828	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231465

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-128-GW
 Date Sampled.....: 10/27/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231465-6
 Date Received.....: 10/28/2004
 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	0.31	U		0.068	0.31	1.00000	ug/L	133990		11/11/04 0939	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	133990		11/11/04 0939	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	133990		11/11/04 0939	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	133990		11/11/04 0939	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	133990		11/11/04 0939	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	133990		11/11/04 0939	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	133990		11/11/04 0939	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	133990		11/11/04 0939	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	133990		11/11/04 0939	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	133990		11/11/04 0939	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	133990		11/11/04 0939	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	133990		11/11/04 0939	san
4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	133990		11/11/04 0939	san	
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	133990		11/11/04 0939	san	
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	133919		11/08/04 1500	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12MW-128-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J280367-003 Work Order #...: GVQ4L1AC
Date Sampled...: 10/27/04 14:15 Date Received...: 10/28/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
Dilution Factor: 1 Initial Wgt/Vol: 10 mL

Matrix.....: WG

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: L12MW-128-GW

General Chemistry

Lot-Sample #...: G4J280367-003 Work Order #...: GVQ4L Matrix.....: WG
Date Sampled...: 10/27/04 14:15 Date Received...: 10/28/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol...: 40 mL	
		MDL.....: 0.12				

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-153-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 231493-14 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-M)	0.20		U	0.057	0.20	1	mg/L	134144		11/12/04 1130	kd

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-153-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 13:30 Sample Matrix.....: Water			Laboratory Sample ID: 231493-14 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133152		11/03/04 2116	daj
7060A	Arsenic (GFAA) Arsenic	32			0.51	2.0	1	ug/L	133659		11/09/04 0829	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	133505		11/05/04 1625	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	133162		11/04/04 0055	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	133104		11/03/04 1508	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	26		B	24	150	1	ug/L	133264		11/04/04 1940	tds
	Barium	87			1.5	10	1	ug/L	133264		11/04/04 1940	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	133264		11/04/04 1940	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	133264		11/04/04 1940	tds
	Calcium	140000			24	100	1	ug/L	133264		11/04/04 1940	tds
	Chromium	10		U	1.5	10	1	ug/L	133264		11/04/04 1940	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	133264		11/04/04 1940	tds
	Copper	1.8		B	1.6	10	1	ug/L	133264		11/04/04 1940	tds
	Iron	4400			40	120	1	ug/L	133264		11/04/04 1940	tds
	Magnesium	77000			12	100	1	ug/L	133264		11/04/04 1940	tds
	Manganese	200			0.71	10	1	ug/L	133264		11/04/04 1940	tds
	Nickel	10		U	1.9	10	1	ug/L	133264		11/04/04 1940	tds
	Potassium	3000			110	500	1	ug/L	133264		11/04/04 1940	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: L12mw-153-GW			Laboratory Sample ID: 231493-14									
Date Sampled.....: 10/28/2004			Date Received.....: 10/29/2004									
Time Sampled.....: 13:30			Time Received.....: 09:20									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	6.4		B	5.0	15	1	ug/L	133264		11/04/04 1940	tds
	Silver	10		U	3.1	10	1	ug/L	133264		11/04/04 1940	tds
	Sodium	25000			500	1500	1	ug/L	133264		11/04/04 1940	tds
	Vanadium	10		U	2.1	10	1	ug/L	133264		11/04/04 1940	tds
	Zinc	30		B	10	30	1	ug/L	133264		11/04/04 1940	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: L12mw-153-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-14
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	134081		11/06/04 0743	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	134081		11/06/04 0743	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	134081		11/06/04 0743	kdl
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	134081		11/06/04 0743	kdl
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	134081		11/06/04 0743	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	134081		11/06/04 0743	kdl

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MCM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs						ATTN: Eric Ellis				
Customer Sample ID: L12mw-153-GW		Laboratory Sample ID: 231493-14										
Date Sampled.....: 10/28/2004		Date Received.....: 10/29/2004										
Time Sampled.....: 13:30		Time Received.....: 09:20										
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	0.59	U		0.18	0.59	1.00000	ug/L	134155		11/09/04 0826	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	134155		11/09/04 0826	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	134155		11/09/04 0826	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	134155		11/09/04 0826	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	134155		11/09/04 0826	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	134155		11/09/04 0826	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	134155		11/09/04 0826	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOLS

ATTN: Eric Elix

Customer Sample ID: L12mw-153-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-14
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Vinyl chloride	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	133786		11/09/04 1803	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	133786		11/09/04 1803	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	133786		11/09/04 1803	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	133786		11/09/04 1803	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	133786		11/09/04 1803	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RYAMP 14 AOCs

ATTN: ERIC ELITS

Customer Sample ID: L12mw-153-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-14
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	133786		11/09/04 1803	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: USACE RWAP 14 A015

ATTN: Eric Ellis

Customer Sample ID: L12mw-153-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-14
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134460		11/04/04 2041	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134460		11/04/04 2041	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	134460		11/04/04 2041	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134460		11/04/04 2041	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134460		11/04/04 2041	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-153-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-14
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	134460		11/04/04 2041	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	134460		11/04/04 2041	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134460		11/04/04 2041	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	134460		11/04/04 2041	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 2041	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134460		11/04/04 2041	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	134460		11/04/04 2041	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L12mw-153-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-14
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	134460		11/04/04 2041	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134460		11/04/04 2041	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	134460		11/04/04 2041	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	134460		11/04/04 2041	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	134460		11/04/04 2041	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	134460		11/04/04 2041	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	134460		11/04/04 2041	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	134460		11/04/04 2041	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134460		11/04/04 2041	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elits

Customer Sample ID: L12mw-153-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-14
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	T
8330	Explosives by 8330 (HPLC)										
	HMX	0.31	U	0.068	0.31	1.00000	ug/L	134018		11/11/04 1359	si
	RDX	0.20	U	0.064	0.20	1.00000	ug/L	134018		11/11/04 1359	si
	1,3,5-Trinitrobenzene	0.20	U	0.058	0.20	1.00000	ug/L	134018		11/11/04 1359	si
	1,3-Dinitrobenzene	0.20	U	0.055	0.20	1.00000	ug/L	134018		11/11/04 1359	si
	Nitrobenzene	0.16	U	0.044	0.16	1.00000	ug/L	134018		11/11/04 1359	si
	2,4,6-TNT	0.25	U	0.078	0.25	1.00000	ug/L	134018		11/11/04 1359	si
	Tetryl	0.78	U	0.16	0.78	1.00000	ug/L	134018		11/11/04 1359	si
	2,4-Dinitrotoluene	0.36	U	0.12	0.36	1.00000	ug/L	134018		11/11/04 1359	si
	2,6-Dinitrotoluene	0.43	U	0.14	0.43	1.00000	ug/L	134018		11/11/04 1359	si
	2-Amino-4,6-Dinitrotoluene	0.36	U	0.12	0.36	1.00000	ug/L	134018		11/11/04 1359	si
	4-Amino-2,6-Dinitrotoluene	0.33	U	0.11	0.33	1.00000	ug/L	134018		11/11/04 1359	si
	2-Nitrotoluene	0.31	U	0.093	0.31	1.00000	ug/L	134018		11/11/04 1359	si
	4-Nitrotoluene	0.31	U	0.10	0.31	1.00000	ug/L	134018		11/11/04 1359	si
3-Nitrotoluene	0.31	U	0.10	0.31	1.00000	ug/L	134018		11/11/04 1359	sa	
8332M	NG/PETN by 8332M (HPLC)										
Nitroglycerine	1.0	U	0.15	1.0	1.00000	ug/L	134051		11/08/04 1758	sa	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-153-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J290255-004 Work Order #...: GVT4X1AC Matrix.....: WG
Date Sampled...: 10/28/04 13:30 Date Received...: 10/29/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
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: L12mw-153-GW

General Chemistry

Lot-Sample #...: G4J290255-004
Date Sampled...: 10/28/04

Work Order #...: GVT4X
Date Received...: 10/29/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L12mw-154-GM Date Sampled.....: 10/28/2004 Time Sampled.....: 14:45 Sample Matrix.....: Water			Laboratory Sample ID: 231493-15 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO ₂ , NO ₃ (Auto Cd Red.) Nitrate as N (NO ₃ -N)	0.20		U	0.057	0.20	1	mg/L	134144		11/12/04 1131	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MGH Engineers, Inc.

PROJECT: USACE RVAAP 14 A00S

ATTN: Eric Ellis

Customer Sample ID: L12mw-154-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-15
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133152		11/03/04 2126	daj
7060A	Arsenic (GFAA) Arsenic	37			0.51	2.0	1	ug/L	133762		11/10/04 0059	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	133505		11/05/04 1638	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	133162		11/04/04 0121	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	133104		11/03/04 1510	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	31		B	24	150	1	ug/L	133264		11/04/04 1947	tds
	Barium	64			1.5	10	1	ug/L	133264		11/04/04 1947	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	133264		11/04/04 1947	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	133264		11/04/04 1947	tds
	Calcium	140000			24	100	1	ug/L	133264		11/04/04 1947	tds
	Chromium	2.0		B	1.5	10	1	ug/L	133264		11/04/04 1947	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	133264		11/04/04 1947	tds
	Copper	10		U	1.6	10	1	ug/L	133264		11/04/04 1947	tds
	Iron	2300			40	120	1	ug/L	133264		11/04/04 1947	tds
	Magnesium	62000			12	100	1	ug/L	133264		11/04/04 1947	tds
	Manganese	74			0.71	10	1	ug/L	133264		11/04/04 1947	tds
	Nickel	10		U	1.9	10	1	ug/L	133264		11/04/04 1947	tds
	Potassium	2800			110	500	1	ug/L	133264		11/04/04 1947	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: MGN Engineers, Inc.			PROJECT: USACE RYANP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-154-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 14:45 Sample Matrix.....: Water			Laboratory Sample ID: 231493-15 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	133264		11/04/04 1947	tds
	Silver	10	U		3.1	10	1	ug/L	133264		11/04/04 1947	tds
	Sodium	23000			500	1500	1	ug/L	133264		11/04/04 1947	tds
	Vanadium	10	U		2.1	10	1	ug/L	133264		11/04/04 1947	tds
	Zinc	30	U		10	30	1	ug/L	133264		11/04/04 1947	tds

* In Description = Dry Wgt.

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Job Number: 231493 LABORATORY TEST RESULTS Date: 11/12/2004

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

Customer Sample ID: L12mw-154-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-15
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	134081		11/06/04 0808	kdL
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
	Methoxychlor	0.60	U		0.17	0.60	1.00000	ug/L	134081		11/06/04 0808	kdL
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	134081		11/06/04 0808	kdL
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	134081		11/06/04 0808	kdL
Endrin ketone	0.10	U		0.029	0.10	1.00000	ug/L	134081		11/06/04 0808	kdL	
Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	134081		11/06/04 0808	kdL	

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-154-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 14:45 Sample Matrix.....: Water			Laboratory Sample ID: 231493-15 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.60	U		0.18	0.60	1.00000	ug/L	134155		11/09/04 0901	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	134155		11/09/04 0901	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	134155		11/09/04 0901	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	134155		11/09/04 0901	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	134155		11/09/04 0901	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	134155		11/09/04 0901	bjt
	Aroclor 1260	0.60	U		0.17	0.60	1.00000	ug/L	134155		11/09/04 0901	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-154-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-15
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0		U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Vinyl chloride	1.0		U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Bromomethane	1.0		U	0.10	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Chloroethane	1.0		U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,1-Dichloroethane	1.0		U	0.12	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Carbon disulfide	5.0		U	0.20	5.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Acetone	10		U	1.8	10	1.00000	ug/L	133786		11/09/04 1824	jdj
	Methylene chloride	1.1		J	0.35	1.5	1.00000	ug/L	133786		11/09/04 1824	jdj
	trans-1,2-Dichloroethene	1.0		U	0.14	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,1-Dichloroethane	1.0		U	0.11	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	cis-1,2-Dichloroethene	1.0		U	0.090	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	2-Butanone (MEK)	10		U	1.2	10	1.00000	ug/L	133786		11/09/04 1824	jdj
	Bromochloromethane	1.0		U	0.10	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Chloroform	1.0		U	0.11	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,1,1-Trichloroethane	1.0		U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Carbon tetrachloride	1.0		U	0.13	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Benzene	1.0		U	0.090	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,2-Dichloroethane	1.0		U	0.090	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Trichloroethene	1.0		U	0.10	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,2-Dichloropropane	1.0		U	0.12	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Bromodichloromethane	1.0		U	0.11	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	cis-1,3-Dichloropropene	1.0		U	0.12	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	4-Methyl-2-pentanone (MIBK)	10		U	0.65	10	1.00000	ug/L	133786		11/09/04 1824	jdj
	Toluene	1.0		U	0.10	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	trans-1,3-Dichloropropene	1.0		U	0.15	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,1,2-Trichloroethane	1.0		U	0.15	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Tetrachloroethene	1.0		U	0.090	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	2-Hexanone	10		U	0.53	10	1.00000	ug/L	133786		11/09/04 1824	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP T4 A08S

ATTN: Eric Ellis

Customer Sample ID: L12mw-154-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-15
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	133786		11/09/04 1824	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L12mw-154-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-15
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.1	U		0.36	5.1	1.0000	ug/L	134460		11/04/04 2103	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.31	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.44	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.56	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.0000	ug/L	134460		11/04/04 2103	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.27	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.29	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.083	0.51	1.0000	ug/L	134460		11/04/04 2103	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.0000	ug/L	134460		11/04/04 2103	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.0000	ug/L	134460		11/04/04 2103	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.32	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	Benzoic acid, Low Level Water	20	U		3.1	20	1.0000	ug/L	134460		11/04/04 2103	dpk
	Isophorone, Low Level Water	2.0	U		0.27	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.0000	ug/L	134460		11/04/04 2103	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.0000	ug/L	134460		11/04/04 2103	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.0000	ug/L	134460		11/04/04 2103	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.93	10	1.0000	ug/L	134460		11/04/04 2103	dpk
	4-Chloroaniline, Low Level Water	10	U		2.9	10	1.0000	ug/L	134460		11/04/04 2103	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.0000	ug/L	134460		11/04/04 2103	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.0000	ug/L	134460		11/04/04 2103	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.66	20	1.0000	ug/L	134460		11/04/04 2103	dpk
	2-Methylnaphthalene, Low Level Water	0.51	U		0.13	0.51	1.0000	ug/L	134460		11/04/04 2103	dpk
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.0000	ug/L	134460		11/04/04 2103	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.27	2.0	1.0000	ug/L	134460		11/04/04 2103	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USAGE RYANP 14 ADDS

ATTN: Eric Elits

Customer Sample ID: L12mw-154-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-15
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	134460		11/04/04 2103	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	134460		11/04/04 2103	dpk
	2-Nitrophenol, Low Level Water	10	U		0.84	10	1.00000	ug/L	134460		11/04/04 2103	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134460		11/04/04 2103	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.4	20	1.00000	ug/L	134460		11/04/04 2103	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	4-Nitrophenol, Low Level Water	20	U		3.8	20	1.00000	ug/L	134460		11/04/04 2103	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134460		11/04/04 2103	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	134460		11/04/04 2103	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.099	0.51	1.00000	ug/L	134460		11/04/04 2103	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.77	5.1	1.00000	ug/L	134460		11/04/04 2103	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134460		11/04/04 2103	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 2103	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	Carbazole, Low Level Water	5.1	U		0.30	5.1	1.00000	ug/L	134460		11/04/04 2103	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.37	5.1	1.00000	ug/L	134460		11/04/04 2103	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.40	2.0	1.00000	ug/L	134460		11/04/04 2103	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.050	0.20	1.00000	ug/L	134460		11/04/04 2103	dpk
	Chrysene, Low Level Water	0.51	U		0.046	0.51	1.00000	ug/L	134460		11/04/04 2103	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: NKA Engineers, Inc.

PROJECT: USACE RYAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-154-GW

Laboratory Sample ID: 231493-15

Date Sampled.....: 10/28/2004

Date Received.....: 10/29/2004

Time Sampled.....: 14:45

Time Received.....: 09:20

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	5.1	U		0.73	5.1	1.00000	ug/L	134460		11/04/04 2103	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		4.0	15	1.00000	ug/L	134460		11/04/04 2103	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.6	10	1.00000	ug/L	134460		11/04/04 2103	dpk
	Benzo(b)fluoranthene, Low Level Water	0.41	U		0.068	0.41	1.00000	ug/L	134460		11/04/04 2103	dpk
	Benzo(k)fluoranthene, Low Level Water	0.41	U		0.073	0.41	1.00000	ug/L	134460		11/04/04 2103	dpk
	Benzo(a)pyrene, Low Level Water	0.41	U		0.086	0.41	1.00000	ug/L	134460		11/04/04 2103	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.41	U		0.088	0.41	1.00000	ug/L	134460		11/04/04 2103	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.41	U		0.13	0.41	1.00000	ug/L	134460		11/04/04 2103	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134460		11/04/04 2103	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Eltis

Customer Sample ID: L12mw-154-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-15
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDC	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	
8330	Explosives by 8330 (HPLC)											
	HMX	0.31		U	0.068	0.31	1.00000	ug/L	134018		11/11/04 1431	s
	RDX	0.20		U	0.064	0.20	1.00000	ug/L	134018		11/11/04 1431	s
	1,3,5-Trinitrobenzene	0.20		U	0.058	0.20	1.00000	ug/L	134018		11/11/04 1431	s
	1,3-Dinitrobenzene	0.20		U	0.055	0.20	1.00000	ug/L	134018		11/11/04 1431	s
	Nitrobenzene	0.16		U	0.044	0.16	1.00000	ug/L	134018		11/11/04 1431	s
	2,4,6-TNT	0.25		U	0.078	0.25	1.00000	ug/L	134018		11/11/04 1431	s
	Tetryl	0.78		U	0.16	0.78	1.00000	ug/L	134018		11/11/04 1431	s
	2,4-Dinitrotoluene	0.36		U	0.12	0.36	1.00000	ug/L	134018		11/11/04 1431	s
	2,6-Dinitrotoluene	0.43		U	0.14	0.43	1.00000	ug/L	134018		11/11/04 1431	s
	2-Amino-4,6-Dinitrotoluene	0.36		U	0.12	0.36	1.00000	ug/L	134018		11/11/04 1431	s
	4-Amino-2,6-Dinitrotoluene	0.33		U	0.11	0.33	1.00000	ug/L	134018		11/11/04 1431	s
	2-Nitrotoluene	0.31		U	0.093	0.31	1.00000	ug/L	134018		11/11/04 1431	s
	4-Nitrotoluene	0.31		U	0.10	0.31	1.00000	ug/L	134018		11/11/04 1431	s
	3-Nitrotoluene	0.31		U	0.10	0.31	1.00000	ug/L	134018		11/11/04 1431	s
8332M	MG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0		U	0.15	1.0	1.00000	ug/L	134051		11/08/04 1834	se

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-154-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J290255-005 Work Order #...: GVT421AC Matrix.....: WG
Date Sampled...: 10/28/04 14:45 Date Received...: 10/29/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
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: L12mw-154-GW

General Chemistry

Lot-Sample #...: G4J290255-005
Date Sampled...: 10/28/04

Work Order #...: GVT42
Date Received...: 10/29/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAR 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-182-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-21 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	134144		11/12/04 1137	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: MKK Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL12mw-182-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-21
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2207	daj
7060A	Arsenic (GFAA) Arsenic	44			0.51	2.0	1	ug/L	133762		11/09/04 2110	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	133505		11/05/04 1729	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133162		11/04/04 0200	daj
7470A	Mercury (CVAA) Mercury	0.078	B		0.049	0.20	1	ug/L	133838		11/10/04 1416	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	133381		11/05/04 1413	tds
	Barium	100			1.5	10	1	ug/L	133381		11/05/04 1413	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133381		11/05/04 1413	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133381		11/05/04 1413	tds
	Calcium	76000			24	100	1	ug/L	133381		11/05/04 1413	tds
	Chromium	10	U		1.5	10	1	ug/L	133381		11/05/04 1413	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	133381		11/05/04 1413	tds
	Copper	10	U		1.6	10	1	ug/L	133381		11/05/04 1413	tds
	Iron	650			40	120	1	ug/L	133381		11/05/04 1413	tds
	Magnesium	51000			12	100	1	ug/L	133381		11/05/04 1413	tds
	Manganese	43			0.71	10	1	ug/L	133381		11/05/04 1413	tds
	Nickel	10	U		1.9	10	1	ug/L	133381		11/05/04 1413	tds
	Potassium	6800			110	500	1	ug/L	133381		11/05/04 1413	tds

* In Description = Dry Wgt.

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

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

Customer Sample ID: LL12mw-182-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-21
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDC	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	5.3		B	5.0	15	1	ug/L	133381		11/05/04 1413	tds
	Silver	10		U	3.1	10	1	ug/L	133381		11/05/04 1413	tds
	Sodium	24000			500	1500	1	ug/L	133381		11/05/04 1413	tds
	Vanadium	10		U	2.1	10	1	ug/L	133381		11/05/04 1413	tds
	Zinc	30		U	10	30	1	ug/L	133381		11/05/04 1413	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/15/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-182-GW			Laboratory Sample ID: 231542-21									
Date Sampled.....: 10/29/2004			Date Received.....: 10/30/2004									
Time Sampled.....: 13:45			Time Received.....: 11:15									
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	134282		11/06/04 0924	kdl
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	134282		11/06/04 0924	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	134282		11/06/04 0924	kdl
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	134282		11/06/04 0924	kdl
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	134282		11/06/04 0924	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	134282		11/06/04 0924	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	134282		11/06/04 0924	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	134282		11/06/04 0924	kdl
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	134282		11/06/04 0924	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	134282		11/06/04 0924	kdl
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	134282		11/06/04 0924	kdl
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	134282		11/06/04 0924	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	134282		11/06/04 0924	kdl

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 ADES				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-182-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-21 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	134109		11/09/04 1121	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	134109		11/09/04 1121	bjt
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	134109		11/09/04 1121	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	134109		11/09/04 1121	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	134109		11/09/04 1121	bjt
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	134109		11/09/04 1121	bjt
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	134109		11/09/04 1121	bjt

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYAAR 14 AOCS				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-182-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-21 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134095		11/11/04 1233	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134095		11/11/04 1233	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134095		11/11/04 1233	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134095		11/11/04 1233	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134095		11/11/04 1233	jdj

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: LL12NW-182-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-21 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1233	jdj

* In Description = Dry Wgt.

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Job Number: 231542

LABORATORY TEST RESULTS

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE IAAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL12mw-182-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-21
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	9.4			0.33	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	134460		11/04/04 2210	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	134460		11/04/04 2210	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	134460		11/04/04 2210	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.62	19	1.00000	ug/L	134460		11/04/04 2210	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	134460		11/04/04 2210	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS					Date: 11/16/2004					
CUSTOMER: MCM Engineers, Inc.		PROJECT: USAGE RVAAP 14 ADDS					ATTN: Eric Ellis					
Customer Sample ID: LL12mw-182-GW		Laboratory Sample ID: 231542-21										
Date Sampled.....: 10/29/2004		Date Received.....: 10/30/2004										
Time Sampled.....: 13:45		Time Received.....: 11:15										
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	134460		11/04/04 2210	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	134460		11/04/04 2210	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	134460		11/04/04 2210	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	134460		11/04/04 2210	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	134460		11/04/04 2210	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	134460		11/04/04 2210	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	134460		11/04/04 2210	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	134460		11/04/04 2210	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS					Date: 11/16/2004					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Elise						
Customer Sample ID: LL12mw-182-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-21 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	134460		11/04/04 2210	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	6.3	U		3.7	14	1.00000	ug/L	134460		11/04/04 2210	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	134460		11/04/04 2210	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	134460		11/04/04 2210	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	134460		11/04/04 2210	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	134460		11/04/04 2210	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	134460		11/04/04 2210	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	134460		11/04/04 2210	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	134460		11/04/04 2210	dpk

* In Description = Dry Wgt.

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Job Number: 231542 LABORATORY TEST RESULTS Date: 11/15/2004

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

Customer Sample ID: LL12mw-182-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-21
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	134313		11/11/04 0202	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	134313		11/11/04 0202	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134313		11/11/04 0202	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134313		11/11/04 0202	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134313		11/11/04 0202	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134313		11/11/04 0202	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134313		11/11/04 0202	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0202	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134313		11/11/04 0202	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0202	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134313		11/11/04 0202	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134313		11/11/04 0202	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0202	san
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0202	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	134219		11/08/04 2056	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LL12mw-182-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J300233-004 Work Order #...: GVX731AC Matrix.....: WG
Date Sampled...: 10/29/04 13:45 Date Received...: 10/30/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
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: LL12mw-182-GW

General Chemistry

Lot-Sample #...: G4J300233-004
Date Sampled...: 10/29/04

Work Order #...: GVX73
Date Received...: 10/30/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

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LABORATORY TEST RESULTS												
Job Number: 231542				Date: 11/18/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: LL12NM-182-DUP Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water						Laboratory Sample ID: 231542-22 Date Received.....: 10/30/2004 Time Received.....: 11:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	134144		11/12/04 1138	kd

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS			ATTN: ERIC ELLIS						
Customer Sample ID: LL12mw-182-DUP Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-22 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2217	daj
7060A	Arsenic (GFAA) Arsenic	42			0.51	2.0	1	ug/L	133762		11/09/04 2121	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	133505		11/05/04 1742	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133162		11/04/04 0226	daj
7470A	Mercury (CVAA) Mercury	0.059	B		0.049	0.20	1	ug/L	133838		11/10/04 1418	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	133381		11/05/04 1447	tds
	Barium	100			1.5	10	1	ug/L	133381		11/05/04 1447	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133381		11/05/04 1447	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133381		11/05/04 1447	tds
	Calcium	76000			24	100	1	ug/L	133381		11/05/04 1447	tds
	Chromium	10	U		1.5	10	1	ug/L	133381		11/05/04 1447	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	133381		11/05/04 1447	tds
	Copper	10	U		1.6	10	1	ug/L	133381		11/05/04 1447	tds
	Iron	700			40	120	1	ug/L	133381		11/05/04 1447	tds
	Magnesium	51000			12	100	1	ug/L	133381		11/05/04 1447	tds
	Manganese	43			0.71	10	1	ug/L	133381		11/05/04 1447	tds
	Nickel	2.0	B		1.9	10	1	ug/L	133381		11/05/04 1447	tds
	Potassium	6700			110	500	1	ug/L	133381		11/05/04 1447	tds

* In Description = Dry Wgt.

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

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

Customer Sample ID: LL12mw-182-DUP
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-22
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	HDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	133381		11/05/04 1447	tds
	Silver	10	U		3.1	10	1	ug/L	133381		11/05/04 1447	tds
	Sodium	25000			500	1500	1	ug/L	133381		11/05/04 1447	tds
	Vanadium	10	U		2.1	10	1	ug/L	133381		11/05/04 1447	tds
	Zinc	30	U		10	30	1	ug/L	133381		11/05/04 1447	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/15/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-182-DUP Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-22 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	134282		11/06/04 0949	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	134282		11/06/04 0949	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	134282		11/06/04 0949	kdL
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	134282		11/06/04 0949	kdL
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	134282		11/06/04 0949	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	134282		11/06/04 0949	kdL

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-182-DUP Date Sampled.....: 10/29/2004 Time Sampled.....: 13:45 Sample Matrix.....: Water			Laboratory Sample ID: 231542-22 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	134109		11/09/04 1156	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	134109		11/09/04 1156	bjt
	Aroclor 1232	1.2	U		0.34	1.2	1.00000	ug/L	134109		11/09/04 1156	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	134109		11/09/04 1156	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	134109		11/09/04 1156	bjt
	Aroclor 1254	1.2	U		0.34	1.2	1.00000	ug/L	134109		11/09/04 1156	bjt
	Aroclor 1260	0.58	U		0.16	0.58	1.00000	ug/L	134109		11/09/04 1156	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542 Date: 11/12/2004

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

Customer Sample ID: LL12mw-182-DUP
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-22
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Acetone	10	U		1.8	10	1.00000	ug/L	134095		11/11/04 1256	jdh
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134095		11/11/04 1256	jdh
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134095		11/11/04 1256	jdh
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134095		11/11/04 1256	jdh
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1256	jdh
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134095		11/11/04 1256	jdh

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004					
CUSTOMER: KKM Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis							
Customer Sample ID: LL12mw-182-DUP		Date Sampled: 10/29/2004		Time Sampled: 13:45		Sample Matrix: Water		Laboratory Sample ID: 231542-22		Date Received: 10/30/2004		Time Received: 11:15	
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1256	jdj	

* In Description = Dry Wgt.

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Job Number: 231542

LABORATORY TEST RESULTS

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: LL12mw-182-DUP
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-22
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	11			0.34							
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	134460		11/04/04 2232	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	134460		11/04/04 2232	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	134460		11/04/04 2232	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.63	19	1.00000	ug/L	134460		11/04/04 2232	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	134460		11/04/04 2232	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk

* In Description = Dry Wgt.

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Job Number: 231542

LABORATORY TEST RESULTS

Date: 11/16/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Elliot

Customer Sample ID: LL12mw-182-DUP
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-22
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U	2.3	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U	0.11	0.49	1.00000	ug/L	134460		11/04/04 2232	dpk
	2-Nitrophenol, Low Level Water	9.7	U	0.80	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	3-Nitroaniline, Low Level Water	9.7	U	2.0	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	Dimethyl phthalate, Low Level Water	1.9	U	0.20	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,4-Dinitrophenol, Low Level Water	19	U	3.2	19	1.00000	ug/L	134460		11/04/04 2232	dpk
	Acenaphthylene, Low Level Water	0.97	U	0.12	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U	0.13	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	Acenaphthene, Low Level Water	0.97	U	0.12	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	Dibenzofuran, Low Level Water	1.9	U	0.13	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	4-Nitrophenol, Low Level Water	19	U	3.6	19	1.00000	ug/L	134460		11/04/04 2232	dpk
	Fluorene, Low Level Water	0.97	U	0.13	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	4-Nitroaniline, Low Level Water	9.7	U	2.2	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U	0.18	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Hexachlorobenzene, Low Level Water	0.49	U	0.094	0.49	1.00000	ug/L	134460		11/04/04 2232	dpk
	Diethyl phthalate, Low Level Water	1.9	U	0.15	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U	0.73	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Pentachlorophenol, Low Level Water	9.7	U	1.7	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U	0.13	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U	2.3	19	1.00000	ug/L	134460		11/04/04 2232	dpk
	Phenanthrene, Low Level Water	0.97	U	0.14	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	Anthracene, Low Level Water	0.97	U	0.15	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	Carbazole, Low Level Water	4.9	U	0.28	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U	0.35	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Fluoranthene, Low Level Water	0.97	U	0.14	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	Pyrene, Low Level Water	0.97	U	0.12	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U	0.38	1.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U	0.048	0.19	1.00000	ug/L	134460		11/04/04 2232	dpk
	Chrysene, Low Level Water	0.49	U	0.044	0.49	1.00000	ug/L	134460		11/04/04 2232	dpk

* In Description = Dry Wgt.

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Job Number: 231542

LABORATORY TEST RESULTS

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Blitts

Customer Sample ID: LL12mw-182-DUP
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-22
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9		U								
	Bis(2-ethylhexyl)phthalate, Low Level Water	15		U	0.70	4.9	1.00000	ug/L	134460		11/04/04 2232	dpk
	Di-n-octyl phthalate, Low Level Water	9.7		U	3.8	15	1.00000	ug/L	134460		11/04/04 2232	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39		U	2.4	9.7	1.00000	ug/L	134460		11/04/04 2232	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39		U	0.065	0.39	1.00000	ug/L	134460		11/04/04 2232	dpk
	Benzo(a)pyrene, Low Level Water	0.39		U	0.070	0.39	1.00000	ug/L	134460		11/04/04 2232	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39		U	0.082	0.39	1.00000	ug/L	134460		11/04/04 2232	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39		U	0.083	0.39	1.00000	ug/L	134460		11/04/04 2232	dpk
	Benzo(ghi)perylene, Low Level Water	0.39		U	0.13	0.39	1.00000	ug/L	134460		11/04/04 2232	dpk
		0.97		U	0.18	0.97	1.00000	ug/L	134460		11/04/04 2232	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542 Date: 11/15/2004

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

Customer Sample ID: LL12mw-182-DUP Laboratory Sample ID: 231542-22
 Date Sampled.....: 10/29/2004 Date Received.....: 10/30/2004
 Time Sampled.....: 13:45 Time Received.....: 11:15
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	134313		11/11/04 0234	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	134313		11/11/04 0234	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134313		11/11/04 0234	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134313		11/11/04 0234	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134313		11/11/04 0234	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134313		11/11/04 0234	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134313		11/11/04 0234	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0234	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134313		11/11/04 0234	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0234	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134313		11/11/04 0234	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134313		11/11/04 0234	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0234	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0234	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	134219		11/08/04 2131	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: LL12mw-182-GW-DUP

Trace Level Organic Compounds

Lot-Sample #...: G4J300233-005 Work Order #...: GVX741AC Matrix.....: WG
Date Sampled...: 10/29/04 13:45 Date Received...: 10/30/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
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: LL12mw-182-GW-DUP

General Chemistry

Lot-Sample #...: G4J300233-005 Work Order #...: GVX74 Matrix.....: WG
Date Sampled...: 10/29/04 Date Received...: 10/30/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-183-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 10:20 Sample Matrix.....: Water			Laboratory Sample ID: 231579-2 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.27			0.057	0.20	1	mg/L	134144		11/12/04 1140	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKI Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-183-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-2
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2307	daj
7060A	Arsenic (GFAA) Arsenic	43			0.51	2.0	1	ug/L	133762		11/10/04 0300	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	133505		11/05/04 1846	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133347		11/04/04 1313	gok
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134305		11/12/04 1255	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	133381		11/05/04 1523	tds
	Barium	64			1.5	10	1	ug/L	133381		11/05/04 1523	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133381		11/05/04 1523	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133381		11/05/04 1523	tds
	Calcium	81000			24	100	1	ug/L	133381		11/05/04 1523	tds
	Chromium	10	U		1.5	10	1	ug/L	133381		11/05/04 1523	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	133381		11/05/04 1523	tds
	Copper	10	U		1.6	10	1	ug/L	133381		11/05/04 1523	tds
	Iron	730			40	120	1	ug/L	133381		11/05/04 1523	tds
	Magnesium	39000			12	100	1	ug/L	133381		11/05/04 1523	tds
	Manganese	56			0.71	10	1	ug/L	133381		11/05/04 1523	tds
	Nickel	10	U		1.9	10	1	ug/L	133381		11/05/04 1523	tds
	Potassium	14000			110	500	1	ug/L	133381		11/05/04 1523	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RMAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-183-GW			Laboratory Sample ID: 231579-2									
Date Sampled.....: 11/01/2004			Date Received.....: 11/02/2004									
Time Sampled.....: 10:20			Time Received.....: 08:40									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	133381		11/05/04 1523	tds
	Silver	10	U		3.1	10	1	ug/L	133381		11/05/04 1523	tds
	Sodium	30000			500	1500	1	ug/L	133381		11/05/04 1523	tds
	Vanadium	10	U		2.1	10	1	ug/L	133381		11/05/04 1523	tds
	Zinc	30	U		10	30	1	ug/L	133381		11/05/04 1523	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-183-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-2
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC	0.15	U	0.047	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	beta-BHC	0.099	U	0.028	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	delta-BHC	0.099	U	0.025	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	gamma-BHC (Lindane)	0.15	U	0.042	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	Heptachlor	0.15	U	0.041	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	Aldrin	0.099	U	0.028	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	Heptachlor epoxide	0.15	U	0.036	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	Endosulfan I	0.099	U	0.021	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	Dieldrin	0.099	U	0.018	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	4,4'-DDE	0.099	U	0.023	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	Endrin	0.099	U	0.017	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	Endosulfan II	0.15	U	0.042	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	4,4'-DDD	0.11	U	0.036	0.11	1.00000	ug/L	134444		11/06/04 1451	kdL
	Endosulfan sulfate	0.15	U	0.044	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	4,4'-DDT	0.15	U	0.049	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	Methoxychlor	0.59	U	0.17	0.59	1.00000	ug/L	134444		11/06/04 1451	kdL
	alpha-Chlordane	0.050	U	0.016	0.050	1.00000	ug/L	134444		11/06/04 1451	kdL
	gamma-Chlordane	0.099	U	0.017	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	Endrin aldehyde	0.15	U	0.035	0.15	1.00000	ug/L	134444		11/06/04 1451	kdL
	Endrin ketone	0.099	U	0.029	0.099	1.00000	ug/L	134444		11/06/04 1451	kdL
	Toxaphene	0.50	U	0.14	0.50	1.00000	ug/L	134444		11/06/04 1451	kdL

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADS				ATTN: ERIC ELLIS						
Customer Sample ID: L12mw-183-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 10:20 Sample Matrix.....: Water			Laboratory Sample ID: 231579-2 Date Received.....: 11/02/2004 Time Received.....: 08:40										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8082	PCB Analysis												
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	134514		11/09/04 0049	pjg	
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	134514		11/09/04 0049	pjg	
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	134514		11/09/04 0049	pjg	
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	134514		11/09/04 0049	pjg	
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	134514		11/09/04 0049	pjg	
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	134514		11/09/04 0049	pjg	
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	134514		11/09/04 0049	pjg	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-183-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-2
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134095		11/11/04 1537	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134095		11/11/04 1537	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	cis-1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134095		11/11/04 1537	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134095		11/11/04 1537	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134095		11/11/04 1537	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579 Date: 11/16/2004

CUSTOMER: MKN Engineers, Inc. PROJECT: USACE RVAAP 14 AGCS ATTN: Eric Eiles

Customer Sample ID: L12mw-183-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-2
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1537	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-183-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-2
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.1	U		0.36	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.44	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.36	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134790		11/17/04 1440	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.083	0.51	1.00000	ug/L	134790		11/17/04 1440	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Benzoic acid, Low Level Water	20	U		3.1	20	1.00000	ug/L	134790		11/17/04 1440	dpk
	Isophorone, Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.93	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	4-Chloroaniline, Low Level Water	10	U		2.9	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.66	20	1.00000	ug/L	134790		11/17/04 1440	dpk
	2-Methylnaphthalene, Low Level Water	0.51	U		0.13	0.51	1.00000	ug/L	134790		11/17/04 1440	dpk
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231579						Date: 11/18/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis				
Customer Sample ID: L12mw-183-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 10:20 Sample Matrix.....: Water						Laboratory Sample ID: 231579-2 Date Received.....: 11/02/2004 Time Received.....: 08:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	134790		11/17/04 1440	dpk
	2-Nitrophenol, Low Level Water	10	U		0.84	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.4	20	1.00000	ug/L	134790		11/17/04 1440	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	4-Nitrophenol, Low Level Water	20	U		3.8	20	1.00000	ug/L	134790		11/17/04 1440	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.099	0.51	1.00000	ug/L	134790		11/17/04 1440	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.77	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134790		11/17/04 1440	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Carbazole, Low Level Water	5.1	U		0.30	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.37	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.40	2.0	1.00000	ug/L	134790		11/17/04 1440	dpk
	Benzo(a)anthracene, Low Level Water	0.14	J	H	0.050	0.20	1.00000	ug/L	134790		11/17/04 1440	dpk
	Chrysene, Low Level Water	0.15	J		0.046	0.51	1.00000	ug/L	134790		11/17/04 1440	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L12mw-183-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-2
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.1	U		0.73	5.1	1.00000	ug/L	134790		11/17/04 1440	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		4.0	15	1.00000	ug/L	134790		11/17/04 1440	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.6	10	1.00000	ug/L	134790		11/17/04 1440	dpk
	Benzo(b)fluoranthene, Low Level Water	0.41	U		0.068	0.41	1.00000	ug/L	134790		11/17/04 1440	dpk
	Benzo(k)fluoranthene, Low Level Water	0.12	J		0.073	0.41	1.00000	ug/L	134790		11/17/04 1440	dpk
	Benzo(a)pyrene, Low Level Water	0.16	J		0.086	0.41	1.00000	ug/L	134790		11/17/04 1440	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.37	J		0.088	0.41	1.00000	ug/L	134790		11/17/04 1440	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.50	J		0.13	0.41	1.00000	ug/L	134790		11/17/04 1440	dpk
	Benzo(ghi)perylene, Low Level Water	0.34	J		0.19	1.0	1.00000	ug/L	134790		11/17/04 1440	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP IA AGCS

ATM: Eric Ellis

Customer Sample ID: L12mw-183-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 10:20
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-2
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	RMX	0.31		U	0.068	0.31	1.00000	ug/L	134327		11/11/04 0339	san
	RDX	0.20		U	0.064	0.20	1.00000	ug/L	134327		11/11/04 0339	san
	1,3,5-Trinitrobenzene	0.20		U	0.058	0.20	1.00000	ug/L	134327		11/11/04 0339	san
	1,3-Dinitrobenzene	0.20		U	0.055	0.20	1.00000	ug/L	134327		11/11/04 0339	san
	Nitrobenzene	0.16		U	0.044	0.16	1.00000	ug/L	134327		11/11/04 0339	san
	2,4,6-TNT	0.25		U	0.078	0.25	1.00000	ug/L	134327		11/11/04 0339	san
	Tetryl	0.78		U	0.16	0.78	1.00000	ug/L	134327		11/11/04 0339	san
	2,4-Dinitrotoluene	0.36		U	0.12	0.36	1.00000	ug/L	134327		11/11/04 0339	san
	2,6-Dinitrotoluene	0.43		U	0.14	0.43	1.00000	ug/L	134327		11/11/04 0339	san
	2-Amino-4,6-Dinitrotoluene	0.36		U	0.12	0.36	1.00000	ug/L	134327		11/11/04 0339	san
	4-Amino-2,6-Dinitrotoluene	0.33		U	0.11	0.33	1.00000	ug/L	134327		11/11/04 0339	san
	2-Nitrotoluene	0.31		U	0.093	0.31	1.00000	ug/L	134327		11/11/04 0339	san
	4-Nitrotoluene	0.31		U	0.10	0.31	1.00000	ug/L	134327		11/11/04 0339	san
	3-Nitrotoluene	0.31		U	0.10	0.31	1.00000	ug/L	134327		11/11/04 0339	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0		U	0.15	1.0	1.00000	ug/L	134343		11/08/04 2242	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-183-GW

Trace Level Organic Compounds

Lot-Sample #....: G4K020224-002 Work Order #....: GV27Q1AC
Date Sampled....: 11/01/04 10:20 Date Received...: 11/02/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #....: 4308301
Dilution Factor: 1

Matrix.....: WATER

Initial Wgt/Vol: 10 mL

Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: L12mw-183-GW

General Chemistry

Lot-Sample #...: G4K020224-002
Date Sampled...: 11/01/04

Work Order #...: GV27Q
Date Received...: 11/02/04

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	11/09-11/11/04	4314554
		MDL.....: 0.12				

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Job Number: 231542 LABORATORY TEST RESULTS Date: 11/18/2004

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

Customer Sample ID: LL12mw-184-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-14
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		B	0.057	0.20	1	mg/L	134144		11/12/04 1136	kd

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: LL12nw-184-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 10:40 Sample Matrix.....: Water			Laboratory Sample ID: 231542-14 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133152		11/03/04 2156	daj
7060A	Arsenic (GFAA) Arsenic	19			1.0	4.0	2	ug/L	133950		11/10/04 1428	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	133505		11/05/04 1704	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	133162		11/04/04 0147	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	133838		11/10/04 1414	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	25		B	24	150	1	ug/L	133381		11/05/04 1406	tds
	Barium	18			1.5	10	1	ug/L	133381		11/05/04 1406	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	133381		11/05/04 1406	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	133381		11/05/04 1406	tds
	Calcium	220000			24	100	1	ug/L	133381		11/05/04 1406	tds
	Chromium	10		U	1.5	10	1	ug/L	133381		11/05/04 1406	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	133381		11/05/04 1406	tds
	Copper	10		U	1.6	10	1	ug/L	133381		11/05/04 1406	tds
	Iron	2600			40	120	1	ug/L	133381		11/05/04 1406	tds
	Magnesium	150000			12	100	1	ug/L	133381		11/05/04 1406	tds
	Manganese	550			0.71	10	1	ug/L	133381		11/05/04 1406	tds
	Nickel	10		U	1.9	10	1	ug/L	133381		11/05/04 1406	tds
	Potassium	5900			110	500	1	ug/L	133381		11/05/04 1406	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-184-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 10:40 Sample Matrix.....: Water			Laboratory Sample ID: 231542-14 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	5.9	B		5.0	15	1	ug/L	133381		11/05/04 1406	tds
	Silver	10	U		3.1	10	1	ug/L	133381		11/05/04 1406	tds
	Sodium	40000			500	1500	1	ug/L	133381		11/05/04 1406	tds
	Vanadium	10	U		2.1	10	1	ug/L	133381		11/05/04 1406	tds
	Zinc	17	B		10	30	1	ug/L	133381		11/05/04 1406	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/15/2004				
CUSTOMER: MCH Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS			ATTN: Eric Eltis						
Customer Sample ID: LL12mx-184-GW			Laboratory Sample ID: 231542-14									
Date Sampled: 10/29/2004			Date Received: 10/30/2004									
Time Sampled: 10:40			Time Received: 11:15									
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	134282		11/06/04 0858	kdL
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	134282		11/06/04 0858	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	134282		11/06/04 0858	kdL
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	134282		11/06/04 0858	kdL
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	134282		11/06/04 0858	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	134282		11/06/04 0858	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	134282		11/06/04 0858	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	134282		11/06/04 0858	kdL
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	134282		11/06/04 0858	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	134282		11/06/04 0858	kdL
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	134282		11/06/04 0858	kdL
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	134282		11/06/04 0858	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	134282		11/06/04 0858	kdL

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellits					
Customer Sample ID: LL12mw-184-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 10:40 Sample Matrix.....: Water			Laboratory Sample ID: 231542-14 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57	U		0.17	0.57	1.00000	ug/L	134109		11/09/04 1046	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	134109		11/09/04 1046	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	134109		11/09/04 1046	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	134109		11/09/04 1046	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	134109		11/09/04 1046	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	134109		11/09/04 1046	bjt
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	134109		11/09/04 1046	bjt

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004					
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 ADGS				ATTN: Eric Ellis							
Customer Sample ID: LL12mw-184-GW		Date Sampled.....: 10/29/2004		Time Sampled.....: 10:40		Sample Matrix.....: Water		Laboratory Sample ID: 231542-14		Date Received.....: 10/30/2004		Time Received.....: 11:15	
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8260B	Volatile Organics												
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Acetone	10	U		1.8	10	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134095		11/11/04 1210	jdj	
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj	
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134095		11/11/04 1210	jdj	

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-184-GW			Laboratory Sample ID: 231542-14									
Date Sampled.....: 10/29/2004			Date Received.....: 10/30/2004									
Time Sampled.....: 10:40			Time Received.....: 11:15									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	BY	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1210	jdj

* In Description = Dry Wgt.

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Job Number: 231542

LABORATORY TEST RESULTS

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL12mw-184-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 10:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-14
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	2.9	J		0.36	5.1						
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.44	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.36	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134460		11/04/04 2147	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.083	0.51	1.00000	ug/L	134460		11/04/04 2147	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Benzoic acid, Low Level Water	20	U		3.1	20	1.00000	ug/L	134460		11/04/04 2147	dpk
	Isophorone, Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.93	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	4-Chloroaniline, Low Level Water	10	U		2.9	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.66	20	1.00000	ug/L	134460		11/04/04 2147	dpk
	2-Methylnaphthalene, Low Level Water	0.51	U		0.13	0.51	1.00000	ug/L	134460		11/04/04 2147	dpk
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS					Date: 11/16/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 74 ADCS			ATTN: Eric Ellits						
Customer Sample ID: LL12mw-184-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 10:40 Sample Matrix.....: Water			Laboratory Sample ID: 231542-14 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	134460		11/04/04 2147	dpk
	2-Nitrophenol, Low Level Water	10	U		0.84	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.4	20	1.00000	ug/L	134460		11/04/04 2147	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	4-Nitrophenol, Low Level Water	20	U		3.8	20	1.00000	ug/L	134460		11/04/04 2147	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.099	0.51	1.00000	ug/L	134460		11/04/04 2147	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.77	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 2147	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Carbazole, Low Level Water	5.1	U		0.30	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.37	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.40	2.0	1.00000	ug/L	134460		11/04/04 2147	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.050	0.20	1.00000	ug/L	134460		11/04/04 2147	dpk
	Chrysene, Low Level Water	0.51	U		0.046	0.51	1.00000	ug/L	134460		11/04/04 2147	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-184-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 10:40 Sample Matrix.....: Water			Laboratory Sample ID: 231542-14 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.1	U		0.73							
	Bis(2-ethylhexyl)phthalate, Low Level Water	5.0	J		4.0	5.1	1.00000	ug/L	134460		11/04/04 2147	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.6	15	1.00000	ug/L	134460		11/04/04 2147	dpk
	Benzo(b)fluoranthene, Low Level Water	0.41	U		0.068	10	1.00000	ug/L	134460		11/04/04 2147	dpk
	Benzo(k)fluoranthene, Low Level Water	0.41	U		0.073	0.41	1.00000	ug/L	134460		11/04/04 2147	dpk
	Benzo(a)pyrene, Low Level Water	0.41	U		0.086	0.41	1.00000	ug/L	134460		11/04/04 2147	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.41	U		0.088	0.41	1.00000	ug/L	134460		11/04/04 2147	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.41	U		0.13	0.41	1.00000	ug/L	134460		11/04/04 2147	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134460		11/04/04 2147	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/15/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGDS				ATTN: ERIC ELITS					
Customer Sample ID: LL12mw-184-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 10:40 Sample Matrix.....: Water			Laboratory Sample ID: 231542-14 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	134313		11/11/04 0129	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	134313		11/11/04 0129	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134313		11/11/04 0129	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134313		11/11/04 0129	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134313		11/11/04 0129	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134313		11/11/04 0129	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134313		11/11/04 0129	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0129	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134313		11/11/04 0129	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0129	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134313		11/11/04 0129	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134313		11/11/04 0129	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0129	san
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0129	san	
8332M	NG/PEIN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	134219		11/08/04 2020	san	

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: LL12mw-184-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J300233-003 Work Order #...: GVX721AC
Date Sampled...: 10/29/04 10:40 Date Received...: 10/30/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
Dilution Factor: 1

Matrix.....: WG

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: LL12mw-184-GW

General Chemistry

Lot-Sample #...: G4J300233-003
Date Sampled...: 10/29/04

Work Order #...: GVX72
Date Received...: 10/30/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	0.18 B	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

NOTE(S) :

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

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: L12mw-185-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 09:05 Sample Matrix.....: Water			Laboratory Sample ID: 231579-3 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	160			11	40	200	mg/L	134144		11/12/04 1141	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKR Engineers, Inc.

PROJECT: USACE RYAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-185-6W
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-3
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	XL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2328	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	133762		11/10/04 0322	deJ
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	133505		11/05/04 1859	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133347		11/04/04 1326	gok
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134303		11/12/04 1257	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	133381		11/05/04 1529	tds
	Barium	60	U		1.5	10	1	ug/L	133381		11/05/04 1529	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133381		11/05/04 1529	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133381		11/05/04 1529	tds
	Calcium	610000	U		24	100	1	ug/L	133381		11/05/04 1529	tds
	Chromium	10	U		1.5	10	1	ug/L	133381		11/05/04 1529	tds
	Cobalt	3.0	B		1.0	5.0	1	ug/L	133381		11/05/04 1529	tds
	Copper	10	U		1.6	10	1	ug/L	133381		11/05/04 1529	tds
	Iron	120	U		40	120	1	ug/L	133381		11/05/04 1529	tds
	Magnesium	260000	U		12	100	1	ug/L	133381		11/05/04 1529	tds
	Manganese	1700	U		0.71	10	1	ug/L	133381		11/05/04 1529	tds
	Nickel	7.3	B		1.9	10	1	ug/L	133381		11/05/04 1529	tds
	Potassium	12000	U		110	500	1	ug/L	133381		11/05/04 1529	tds

* In Description = Dry Wgt.

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

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

Customer Sample ID: L12mw-185-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-3
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	8.7	B		5.0	15	1					
	Silver	10	U		3.1	10	1	ug/L	133381		11/05/04 1529	tds
	Sodium	54000			500	1500	1	ug/L	133381		11/05/04 1529	tds
	Vanadium	10	U		2.1	10	1	ug/L	133381		11/05/04 1529	tds
	Zinc	21	B		10	30	1	ug/L	133381		11/05/04 1529	tds

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: MKM Engineers, Inc.		PROJECT: USACE RVAAP 14 ABCS				ATTN: Eric Ellis						
Customer Sample ID: L12mw-185-GW		Laboratory Sample ID: 231579-3		Date Sampled.....: 11/01/2004		Date Received.....: 11/02/2004		Time Sampled.....: 09:05		Time Received.....: 08:40		
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	0.15	U		0.048	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	beta-BHC	0.10	U		0.029	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	delta-BHC	0.10	U		0.026	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	gamma-BHC (Lindane)	0.15	U		0.043	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	Heptachlor	0.15	U		0.042	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	Aldrin	0.10	U		0.029	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	Heptachlor epoxide	0.15	U		0.037	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	Endosulfan II	0.15	U		0.043	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	4,4'-DDD	0.11	U		0.037	0.11	1.00000	ug/L	134444		11/06/04 1516	kdL
	Endosulfan sulfate	0.15	U		0.045	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	4,4'-DDT	0.15	U		0.050	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	Methoxychlor	0.61	U		0.17	0.61	1.00000	ug/L	134444		11/06/04 1516	kdL
	alpha-Chlordane	0.051	U		0.016	0.051	1.00000	ug/L	134444		11/06/04 1516	kdL
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	Endrin aldehyde	0.15	U		0.036	0.15	1.00000	ug/L	134444		11/06/04 1516	kdL
	Endrin ketone	0.10	U		0.030	0.10	1.00000	ug/L	134444		11/06/04 1516	kdL
	Toxaphene	0.51	U		0.14	0.51	1.00000	ug/L	134444		11/06/04 1516	kdL

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: HKN Engineers, Inc.

PROJECT: USACE RVAAP 1& AOCs

ACTN: Eric Ellis

Customer Sample ID: L12mw-185-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-3
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.61		U	0.18	0.61	1.00000	ug/L	134514		11/09/04 0124	pjg
	Aroclor 1221	1.3		U	0.43	1.3	1.00000	ug/L	134514		11/09/04 0124	pjg
	Aroclor 1232	1.3		U	0.36	1.3	1.00000	ug/L	134514		11/09/04 0124	pjg
	Aroclor 1242	1.3		U	0.44	1.3	1.00000	ug/L	134514		11/09/04 0124	pjg
	Aroclor 1248	1.5		U	0.49	1.5	1.00000	ug/L	134514		11/09/04 0124	pjg
	Aroclor 1254	1.3		U	0.36	1.3	1.00000	ug/L	134514		11/09/04 0124	pjg
	Aroclor 1260	0.61		U	0.17	0.61	1.00000	ug/L	134514		11/09/04 0124	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USAF RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12m-185-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-3
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134095		11/11/04 1600	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134095		11/11/04 1600	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134095		11/11/04 1600	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134095		11/11/04 1600	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134095		11/11/04 1600	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-185-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-3
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1600	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231579						Date: 11/19/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L12mw-185-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 09:05 Sample Matrix.....: Water						Laboratory Sample ID: 231579-3 Date Received.....: 11/02/2004 Time Received.....: 08:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134790		11/18/04 1309	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134790		11/18/04 1309	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	134790		11/18/04 1309	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134790		11/18/04 1309	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134790		11/18/04 1309	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231579						Date: 11/19/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: L12mw-185-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 09:05 Sample Matrix.....: Water						Laboratory Sample ID: 231579-3 Date Received.....: 11/02/2004 Time Received.....: 08:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	134790		11/18/04 1309	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	134790		11/18/04 1309	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134790		11/18/04 1309	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	134790		11/18/04 1309	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134790		11/18/04 1309	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134790		11/18/04 1309	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	134790		11/18/04 1309	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 231579				Date: 11/19/2004							
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: L12mw-185-GW						Laboratory Sample ID: 231579-3					
Date Sampled.....: 11/01/2004						Date Received.....: 11/02/2004					
Time Sampled.....: 09:05						Time Received.....: 08:40					
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q. FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U	0.72	5.0	1.00000	ug/L	134790		11/18/04 1309	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U	3.9	15	1.00000	ug/L	134790		11/18/04 1309	dpk
	Di-n-octyl phthalate, Low Level Water	10	U	2.5	10	1.00000	ug/L	134790		11/18/04 1309	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U	0.067	0.40	1.00000	ug/L	134790		11/18/04 1309	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U	0.072	0.40	1.00000	ug/L	134790		11/18/04 1309	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U	0.084	0.40	1.00000	ug/L	134790		11/18/04 1309	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U	0.086	0.40	1.00000	ug/L	134790		11/18/04 1309	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U	0.13	0.40	1.00000	ug/L	134790		11/18/04 1309	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U	0.19	1.0	1.00000	ug/L	134790		11/18/04 1309	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231579				Date: 11/15/2004								
CUSTOMER: MKM Engineers, Inc				PROJECT: USAGE RVAAP-14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: L12MW-185-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 09:05 Sample Matrix.....: Water						Laboratory Sample ID: 231579-3 Date Received.....: 11/02/2004 Time Received.....: 08:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	BMX	0.31	U		0.068	0.31	1.00000	ug/L	134327		11/11/04 0412	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	134327		11/11/04 0412	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134327		11/11/04 0412	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134327		11/11/04 0412	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134327		11/11/04 0412	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134327		11/11/04 0412	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134327		11/11/04 0412	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134327		11/11/04 0412	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134327		11/11/04 0412	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134327		11/11/04 0412	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134327		11/11/04 0412	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134327		11/11/04 0412	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134327		11/11/04 0412	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134327		11/11/04 0412	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	134343		11/08/04 2318	san

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: L12mw-185-GW

Trace Level Organic Compounds

Lot-Sample #...: G4K020224-003 Work Order #...: GV27R1AC Matrix.....: WATER
Date Sampled...: 11/01/04 09:05 Date Received...: 11/02/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
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: L12mw-185-GW

General Chemistry

Lot-Sample #....: G4K020224-003
Date Sampled....: 11/01/04

Work Order #....: GV27R
Date Received...: 11/02/04

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	0.30 B	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L12mw-186-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 11:45 Sample Matrix.....: Water			Laboratory Sample ID: 231579-1 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U		0.057	0.20	1	mg/L	134144		11/12/04 1139	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-186-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-1
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2227	daj
7060A	Arsenic (GFAA) Arsenic	5.5			0.51	2.0	1	ug/L	133762		11/10/04 0156	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	133505		11/05/04 1755	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133162		11/04/04 0238	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134303		11/12/04 1253	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	78	B		24	150	1	ug/L	133381		11/05/04 1517	tds
	Barium	42			1.5	10	1	ug/L	133381		11/05/04 1517	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133381		11/05/04 1517	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133381		11/05/04 1517	tds
	Calcium	130000			24	100	1	ug/L	133381		11/05/04 1517	tds
	Chromium	10	U		1.5	10	1	ug/L	133381		11/05/04 1517	tds
	Cobalt	2.2	B		1.0	5.0	1	ug/L	133381		11/05/04 1517	tds
	Copper	10	U		1.6	10	1	ug/L	133381		11/05/04 1517	tds
	Iron	1900			40	120	1	ug/L	133381		11/05/04 1517	tds
	Magnesium	54000			12	100	1	ug/L	133381		11/05/04 1517	tds
	Manganese	320			0.71	10	1	ug/L	133381		11/05/04 1517	tds
	Nickel	1.9	B		1.9	10	1	ug/L	133381		11/05/04 1517	tds
	Potassium	2000			110	500	1	ug/L	133381		11/05/04 1517	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-186-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-1
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	133381		11/05/04 1517	tds
	Silver	10	U		3.1	10	1	ug/L	133381		11/05/04 1517	tds
	Sodium	15000			500	1500	1	ug/L	133381		11/05/04 1517	tds
	Vanadium	10	U		2.1	10	1	ug/L	133381		11/05/04 1517	tds
	Zinc	15	B		10	30	1	ug/L	133381		11/05/04 1517	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE SWAMP 14 ADCS

ATTN: Eric ELITE

Customer Sample ID: L12mw-186-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-1
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

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		0.047	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	134444		11/06/04 1426	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	Methoxychlor	0.60	U		0.17	0.60	1.00000	ug/L	134444		11/06/04 1426	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	134444		11/06/04 1426	kdl
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	134444		11/06/04 1426	kdl
	Endrin ketone	0.10	U		0.029	0.10	1.00000	ug/L	134444		11/06/04 1426	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	134444		11/06/04 1426	kdl

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/16/2004					
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP: 14 AOS				ATTN: Eric Ellis						
Customer Sample ID: L12mw-186-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 11:45 Sample Matrix.....: Water			Laboratory Sample ID: 231579-1 Date Received.....: 11/02/2004 Time Received.....: 08:40										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8082	PCB Analysis												
	Aroclor 1016	0.60	U		0.18	0.60	1.00000	ug/L	134514		11/09/04 0014	pjg	
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	134514		11/09/04 0014	pjg	
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	134514		11/09/04 0014	pjg	
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	134514		11/09/04 0014	pjg	
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	134514		11/09/04 0014	pjg	
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	134514		11/09/04 0014	pjg	
	Aroclor 1260	0.60	U		0.17	0.60	1.00000	ug/L	134514		11/09/04 0014	pjg	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-186-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-1
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics										
	Chloromethane	1.0	U	0.080	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Vinyl chloride	1.0	U	0.080	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Bromomethane	1.0	U	0.10	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Chloroethane	1.0	U	0.080	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	1,1-Dichloroethene	1.0	U	0.12	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Carbon disulfide	5.0	U	0.20	5.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Acetone	10	U	1.8	10	1.00000	ug/L	134095		11/11/04 1514	jdj
	Methylene chloride	1.5	U	0.35	1.5	1.00000	ug/L	134095		11/11/04 1514	jdj
	trans-1,2-Dichloroethene	1.0	U	0.14	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	1,1-Dichloroethane	1.0	U	0.11	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	cis-1,2-Dichloroethene	1.0	U	0.090	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	2-Butanone (MEK)	10	U	1.2	10	1.00000	ug/L	134095		11/11/04 1514	jdj
	Bromochloromethane	1.0	U	0.10	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Chloroform	1.0	U	0.11	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	1,1,1-Trichloroethane	1.0	U	0.080	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Carbon tetrachloride	1.0	U	0.13	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Benzene	1.0	U	0.090	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	1,2-Dichloroethane	1.0	U	0.090	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Trichloroethene	1.0	U	0.10	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	1,2-Dichloropropane	1.0	U	0.12	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Bromodichloromethane	1.0	U	0.11	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	cis-1,3-Dichloropropene	1.0	U	0.12	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	4-Methyl-2-pentanone (MIBK)	10	U	0.65	10	1.00000	ug/L	134095		11/11/04 1514	jdj
	Toluene	1.0	U	0.10	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	trans-1,3-Dichloropropene	1.0	U	0.15	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	1,1,2-Trichloroethane	1.0	U	0.15	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	Tetrachloroethene	1.0	U	0.090	1.0	1.00000	ug/L	134095		11/11/04 1514	jdj
	2-Hexanone	10	U	0.53	10	1.00000	ug/L	134095		11/11/04 1514	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-186-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-1
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1514	jdh

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAF RVAAP 14 ADCS

ATTN: Eric ELLIS

Customer Sample ID: L12mw-186-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-1
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134790		11/17/04 1417	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134790		11/17/04 1417	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	134790		11/17/04 1417	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134790		11/17/04 1417	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134790		11/17/04 1417	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231579

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-186-GW
 Date Sampled.....: 11/01/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 231579-1
 Date Received.....: 11/02/2004
 Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10		U	2.4	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50		U	0.11	0.50	1.00000	ug/L	134790		11/17/04 1417	dpk
	2-Nitrophenol, Low Level Water	10		U	0.82	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	3-Nitroaniline, Low Level Water	10		U	2.1	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	Dimethyl phthalate, Low Level Water	2.0		U	0.21	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,4-Dinitrophenol, Low Level Water	20		U	3.3	20	1.00000	ug/L	134790		11/17/04 1417	dpk
	Acenaphthylene, Low Level Water	1.0		U	0.12	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0		U	0.13	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Acenaphthene, Low Level Water	1.0		U	0.12	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Dibenzofuran, Low Level Water	2.0		U	0.13	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	4-Nitrophenol, Low Level Water	20		U	3.7	20	1.00000	ug/L	134790		11/17/04 1417	dpk
	Fluorene, Low Level Water	1.0		U	0.13	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	4-Nitroaniline, Low Level Water	10		U	2.3	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0		U	0.19	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Hexachlorobenzene, Low Level Water	0.50		U	0.097	0.50	1.00000	ug/L	134790		11/17/04 1417	dpk
	Diethyl phthalate, Low Level Water	2.0		U	0.15	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0		U	0.75	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Pentachlorophenol, Low Level Water	10		U	1.7	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0		U	0.13	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20		U	2.4	20	1.00000	ug/L	134790		11/17/04 1417	dpk
	Phenanthrene, Low Level Water	1.0		U	0.14	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Anthracene, Low Level Water	1.0		U	0.15	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Carbazole, Low Level Water	5.0		U	0.29	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Di-n-butyl phthalate, Low Level Water	5.0		U	0.36	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Fluoranthene, Low Level Water	1.0		U	0.14	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Pyrene, Low Level Water	0.13		J	0.12	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Butyl benzyl phthalate, Low Level Water	2.0		U	0.39	2.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Benzo(a)anthracene, Low Level Water	0.27		H	0.049	0.20	1.00000	ug/L	134790		11/17/04 1417	dpk
	Chrysene, Low Level Water	0.25		J	0.045	0.50	1.00000	ug/L	134790		11/17/04 1417	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 231579						Date: 11/18/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: L12MW-186-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 11:45 Sample Matrix.....: Water						Laboratory Sample ID: 231579-1 Date Received.....: 11/02/2004 Time Received.....: 08:40						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	134790		11/17/04 1417	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134790		11/17/04 1417	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	134790		11/17/04 1417	dpk
	Benzo(b)fluoranthene, Low Level Water	0.20	J	H	0.067	0.40	1.00000	ug/L	134790		11/17/04 1417	dpk
	Benzo(k)fluoranthene, Low Level Water	0.24	J		0.072	0.40	1.00000	ug/L	134790		11/17/04 1417	dpk
	Benzo(a)pyrene, Low Level Water	0.29	J		0.084	0.40	1.00000	ug/L	134790		11/17/04 1417	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.81	J		0.086	0.40	1.00000	ug/L	134790		11/17/04 1417	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.95	J		0.13	0.40	1.00000	ug/L	134790		11/17/04 1417	dpk
	Benzo(ghi)perylene, Low Level Water	0.81	J		0.19	1.0	1.00000	ug/L	134790		11/17/04 1417	dpk

* In Description = Dry Wgt.

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Job Number: 231579		LABORATORY TEST RESULTS						Date: 11/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACOS				ATTN: Eric Elite					
Customer Sample ID: L12mw-186-GW Date Sampled.....: 11/01/2004 Time Sampled.....: 11:45 Sample Matrix.....: Water			Laboratory Sample ID: 231579-1 Date Received.....: 11/02/2004 Time Received.....: 08:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31		U	0.068	0.31	1.00000	ug/L	134327		11/11/04 0307	san
	RDX	0.20		U	0.064	0.20	1.00000	ug/L	134327		11/11/04 0307	san
	1,3,5-Trinitrobenzene	0.20		U	0.058	0.20	1.00000	ug/L	134327		11/11/04 0307	san
	1,3-Dinitrobenzene	0.20		U	0.055	0.20	1.00000	ug/L	134327		11/11/04 0307	san
	Nitrobenzene	0.16		U	0.044	0.16	1.00000	ug/L	134327		11/11/04 0307	san
	2,4,6-TNT	0.25		U	0.078	0.25	1.00000	ug/L	134327		11/11/04 0307	san
	Tetryl	0.78		U	0.16	0.78	1.00000	ug/L	134327		11/11/04 0307	san
	2,4-Dinitrotoluene	0.36		U	0.12	0.36	1.00000	ug/L	134327		11/11/04 0307	san
	2,6-Dinitrotoluene	0.43		U	0.14	0.43	1.00000	ug/L	134327		11/11/04 0307	san
	2-Amino-4,6-Dinitrotoluene	0.36		U	0.12	0.36	1.00000	ug/L	134327		11/11/04 0307	san
	4-Amino-2,6-Dinitrotoluene	0.33		U	0.11	0.33	1.00000	ug/L	134327		11/11/04 0307	san
	2-Nitrotoluene	0.31		U	0.093	0.31	1.00000	ug/L	134327		11/11/04 0307	san
	4-Nitrotoluene	0.31		U	0.10	0.31	1.00000	ug/L	134327		11/11/04 0307	san
	3-Nitrotoluene	0.31		U	0.10	0.31	1.00000	ug/L	134327		11/11/04 0307	san
8332N	NG/PETN by 8332N (HPLC)											
	Nitroglycerine	1.0		U	0.15	1.0	1.00000	ug/L	134343		11/08/04 2207	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-186-GW

Trace Level Organic Compounds

Lot-Sample #....: G4K020224-001 Work Order #....: GV27K1AC Matrix.....: WATER
Date Sampled...: 11/01/04 11:45 Date Received...: 11/02/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #....: 4308301
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: L12mw-186-GW

General Chemistry

Lot-Sample #...: G4K020224-001
Date Sampled...: 11/01/04

Work Order #...: GV27K
Date Received...: 11/02/04

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	11/09-11/11/04	4314554
		MDL.....: 0.12				

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: LL12mw-187-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 09:25
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-13
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	1200			57	200	1000	mg/L	134144		11/12/04 1132	kd

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS							Date: 11/12/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-187-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 09:25 Sample Matrix.....: Water						Laboratory Sample ID: 231542-13 Date Received.....: 10/30/2004 Time Received.....: 11:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2136	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	133659		11/09/04 0928	daj
7421	Lead (GFAA) Lead	0.90	B		0.79	3.0	1	ug/L	133505		11/05/04 1651	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133162		11/04/04 0134	daj
7470A	Mercury (CVAA) Mercury	0.065	B		0.049	0.20	1	ug/L	133838		11/10/04 1412	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	54	B		24	150	1	ug/L	133381		11/05/04 1335	tds
	Barium	420	U		1.5	10	1	ug/L	133381		11/05/04 1335	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133381		11/05/04 1335	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133381		11/05/04 1335	tds
	Calcium	940000	U		24	100	1	ug/L	133381		11/05/04 1335	tds
	Chromium	10	U		1.5	10	1	ug/L	133381		11/05/04 1335	tds
	Cobalt	8.3	U		1.0	5.0	1	ug/L	133381		11/05/04 1335	tds
	Copper	10	U		1.6	10	1	ug/L	133381		11/05/04 1335	tds
	Iron	120	U		40	120	1	ug/L	133381		11/05/04 1335	tds
	Magnesium	270000	U		12	100	1	ug/L	133381		11/05/04 1335	tds
	Manganese	1800	U		0.71	10	1	ug/L	133381		11/05/04 1335	tds
	Nickel	14	U		1.9	10	1	ug/L	133381		11/05/04 1335	tds
	Potassium	60000	U		110	500	1	ug/L	133381		11/05/04 1335	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RWAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-187-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 09:25 Sample Matrix.....: Water			Laboratory Sample ID: 231542-13 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	10	B		5.0	15	1	ug/L	133381		11/05/04 1335	tds
	Silver	10	U		3.1	10	1	ug/L	133381		11/05/04 1335	tds
	Sodium	35000			500	1500	1	ug/L	133381		11/05/04 1335	tds
	Vanadium	10	U		2.1	10	1	ug/L	133381		11/05/04 1335	tds
	Zinc	19	B		10	30	1	ug/L	133381		11/05/04 1335	tds

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/15/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12NW-187-GW			Laboratory Sample ID: 231542-13									
Date Sampled: 10/29/2004			Date Received: 10/30/2004									
Time Sampled: 09:25			Time Received: 11:15									
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	0.15	U		0.047	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	134282		11/06/04 0833	kdL
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	Methoxychlor	0.60	U		0.17	0.60	1.00000	ug/L	134282		11/06/04 0833	kdL
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	134282		11/06/04 0833	kdL
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	134282		11/06/04 0833	kdL
	Endrin ketone	0.10	U		0.029	0.10	1.00000	ug/L	134282		11/06/04 0833	kdL
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	134282		11/06/04 0833	kdL

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-187-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 09:25 Sample Matrix.....: Water			Laboratory Sample ID: 231542-13 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.60	U		0.18	0.60	1.00000	ug/L	134109		11/09/04 1011	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	134109		11/09/04 1011	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	134109		11/09/04 1011	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	134109		11/09/04 1011	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	134109		11/09/04 1011	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	134109		11/09/04 1011	bjt
	Aroclor 1260	0.60	U		0.17	0.60	1.00000	ug/L	134109		11/09/04 1011	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231542

Date: 11/12/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: LL12mw-187-GW
 Date Sampled.....: 10/29/2004
 Time Sampled.....: 09:25
 Sample Matrix.....: Water

Laboratory Sample ID: 231542-13
 Date Received.....: 10/30/2004
 Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134095		11/11/04 1147	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134095		11/11/04 1147	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134095		11/11/04 1147	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134095		11/11/04 1147	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134095		11/11/04 1147	jdj

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-187-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 09:25 Sample Matrix.....: Water			Laboratory Sample ID: 231542-13 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134095		11/11/04 1147	jdj

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS							Date: 11/16/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-187-GW Date Sampled: 10/29/2004 Time Sampled: 09:25 Sample Matrix: Water			Laboratory Sample ID: 231542-13 Date Received: 10/30/2004 Time Received: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	2.4	J		0.34	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134460		11/04/04 2125	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	134460		11/04/04 2125	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	134460		11/04/04 2125	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	134460		11/04/04 2125	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	134460		11/04/04 2125	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: 1L12mw-187-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 09:25 Sample Matrix.....: Water			Laboratory Sample ID: 231542-13 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	134460		11/04/04 2125	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	134460		11/04/04 2125	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	134460		11/04/04 2125	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	134460		11/04/04 2125	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 2125	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	134460		11/04/04 2125	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	134460		11/04/04 2125	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	134460		11/04/04 2125	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/16/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RVAMP 14 AGGS				ATTN: Eric Ellis					
Customer Sample ID: LL12MW-187-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 09:25 Sample Matrix.....: Water			Laboratory Sample ID: 231542-13 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	134460		11/04/04 2125	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	59			3.8	15	1.00000	ug/L	134460		11/04/04 2125	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	134460		11/04/04 2125	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	134460		11/04/04 2125	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	134460		11/04/04 2125	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	134460		11/04/04 2125	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	134460		11/04/04 2125	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	134460		11/04/04 2125	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	134460		11/04/04 2125	dpk

* In Description = Dry Wgt.

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Job Number: 231542		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADES				ATTN: Eric Ellis					
Customer Sample ID: LL12mw-187-GW Date Sampled.....: 10/29/2004 Time Sampled.....: 09:25 Sample Matrix.....: Water			Laboratory Sample ID: 231542-13 Date Received.....: 10/30/2004 Time Received.....: 11:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	134313		11/11/04 0057	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	134313		11/11/04 0057	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134313		11/11/04 0057	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134313		11/11/04 0057	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134313		11/11/04 0057	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134313		11/11/04 0057	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134313		11/11/04 0057	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0057	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134313		11/11/04 0057	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134313		11/11/04 0057	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134313		11/11/04 0057	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134313		11/11/04 0057	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0057	san
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134313		11/11/04 0057	san	
8332M	NG/PETR by 8332M (HPLC) Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	134219		11/08/04 1945	san

* In Description = Dry Wgt.

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STL CHICAGO

Client Sample ID: LL12mw-187-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J300233-002 Work Order #...: GVX711AC Matrix.....: WG
Date Sampled...: 10/29/04 09:25 Date Received...: 10/30/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
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: LL12mw-187-GW

General Chemistry

Lot-Sample #...: G4J300233-002
Date Sampled...: 10/29/04

Work Order #...: GVX71
Date Received...: 10/30/04

Matrix.....: WG

<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	9.4 Q	1.0	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.25				

NOTE(S) :

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP T4 ADES				ATTN: Eric Ellis					
Customer Sample ID: L12mw-188-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water			Laboratory Sample ID: 231493-13 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	134144		11/12/04 1129	kd

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/11/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-188-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water			Laboratory Sample ID: 231493-13 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133152		11/03/04 2105	daj
7060A	Arsenic (GFAA) Arsenic	4.1			0.51	2.0	1	ug/L	133659		11/09/04 0818	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	133505		11/05/04 1600	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	133162		11/04/04 0042	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	133104		11/03/04 1506	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	133264		11/04/04 1934	tds
	Barium	46			1.5	10	1	ug/L	133264		11/04/04 1934	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	133264		11/04/04 1934	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	133264		11/04/04 1934	tds
	Calcium	200000			24	100	1	ug/L	133264		11/04/04 1934	tds
	Chromium	10	U		1.5	10	1	ug/L	133264		11/04/04 1934	tds
	Cobalt	1.2	B		1.0	5.0	1	ug/L	133264		11/04/04 1934	tds
	Copper	2.6	B		1.6	10	1	ug/L	133264		11/04/04 1934	tds
	Iron	780			40	120	1	ug/L	133264		11/04/04 1934	tds
	Magnesium	120000			12	100	1	ug/L	133264		11/04/04 1934	tds
	Manganese	770			0.71	10	1	ug/L	133264		11/04/04 1934	tds
	Nickel	3.0	B		1.9	10	1	ug/L	133264		11/04/04 1934	tds
	Potassium	3400			110	500	1	ug/L	133264		11/04/04 1934	tds

* In Description = Dry Mgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: KKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-188-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-13
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	5.0	15	1	ug/L	133264		11/04/04 1934	tds
	Silver	10		U	3.1	10	1	ug/L	133264		11/04/04 1934	tds
	Sodium	35000			500	1500	1	ug/L	133264		11/04/04 1934	tds
	Vanadium	10		U	2.1	10	1	ug/L	133264		11/04/04 1934	tds
	Zinc	30		U	10	30	1	ug/L	133264		11/04/04 1934	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-188-GW Date Sampled: 10/28/2004 Time Sampled: 09:40 Sample Matrix: Water			Laboratory Sample ID: 231493-13 Date Received: 10/29/2004 Time Received: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	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	134081		11/06/04 0718	kdl
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	134081		11/06/04 0718	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	134081		11/06/04 0718	kdl
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	134081		11/06/04 0718	kdl
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	134081		11/06/04 0718	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	134081		11/06/04 0718	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	134081		11/06/04 0718	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	134081		11/06/04 0718	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	134081		11/06/04 0718	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	134081		11/06/04 0718	kdl
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	134081		11/06/04 0718	kdl
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	134081		11/06/04 0718	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	134081		11/06/04 0718	kdl

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AQCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-188-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water			Laboratory Sample ID: 231493-13 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	134155		11/09/04 0750	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	134155		11/09/04 0750	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	134155		11/09/04 0750	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	134155		11/09/04 0750	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	134155		11/09/04 0750	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	134155		11/09/04 0750	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	134155		11/09/04 0750	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE R/VAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: L12MW-188-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-13
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	U	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	133786		11/09/04 1741	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	133786		11/09/04 1741	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	133786		11/09/04 1741	jdj
	trans-1,2-Dichloroethane	1.0	U		0.14	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	cis-1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	133786		11/09/04 1741	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Trichloroethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	133786		11/09/04 1741	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	133786		11/09/04 1741	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 1& AOC5

ATTN: Eric Ellis

Customer Sample ID: L12mw-188-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-13
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	133786		11/09/04 1741	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-188-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-13
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	134460		11/04/04 2019	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	134460		11/04/04 2019	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	134460		11/04/04 2019	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	134460		11/04/04 2019	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	134460		11/04/04 2019	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: 112mw-188-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-13
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	134460		11/04/04 2019	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	134460		11/04/04 2019	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	134460		11/04/04 2019	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	134460		11/04/04 2019	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	134460		11/04/04 2019	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	134460		11/04/04 2019	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	134460		11/04/04 2019	dpk

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/17/2004				
CUSTOMER: NKN Engineers, Inc.			PROJECT: USACE RVAAP JA AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-188-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 09:40 Sample Matrix.....: Water			Laboratory Sample ID: 231493-13 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FEAS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	134460		11/04/04 2019	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	134460		11/04/04 2019	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	134460		11/04/04 2019	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	134460		11/04/04 2019	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	134460		11/04/04 2019	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	134460		11/04/04 2019	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	134460		11/04/04 2019	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	134460		11/04/04 2019	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	134460		11/04/04 2019	dpk

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/12/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: OSAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-18B-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 09:40
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-13
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	I
8330	Explosives by 8330 (HPLC)										
	HMX	0.31	U	0.068	0.31	1.00000	ug/L	134018		11/11/04 1326	s
	RDX	0.20	U	0.064	0.20	1.00000	ug/L	134018		11/11/04 1326	s
	1,3,5-Trinitrobenzene	0.20	U	0.058	0.20	1.00000	ug/L	134018		11/11/04 1326	s
	1,3-Dinitrobenzene	0.20	U	0.055	0.20	1.00000	ug/L	134018		11/11/04 1326	s
	Nitrobenzene	0.16	U	0.044	0.16	1.00000	ug/L	134018		11/11/04 1326	s
	2,4,6-TNT	0.25	U	0.078	0.25	1.00000	ug/L	134018		11/11/04 1326	s
	Tetryl	0.78	U	0.16	0.78	1.00000	ug/L	134018		11/11/04 1326	s
	2,4-Dinitrotoluene	0.36	U	0.12	0.36	1.00000	ug/L	134018		11/11/04 1326	s
	2,6-Dinitrotoluene	0.43	U	0.14	0.43	1.00000	ug/L	134018		11/11/04 1326	s
	2-Amino-4,6-Dinitrotoluene	0.36	U	0.12	0.36	1.00000	ug/L	134018		11/11/04 1326	s
	4-Amino-2,6-Dinitrotoluene	0.33	U	0.11	0.33	1.00000	ug/L	134018		11/11/04 1326	s
	2-Nitrotoluene	0.31	U	0.093	0.31	1.00000	ug/L	134018		11/11/04 1326	s
	4-Nitrotoluene	0.31	U	0.10	0.31	1.00000	ug/L	134018		11/11/04 1326	s
	3-Nitrotoluene	0.31	U	0.10	0.31	1.00000	ug/L	134018		11/11/04 1326	s
8332M	NG/PETN by 8332M (HPLC)										
	Nitroglycerine	1.0	U	0.15	1.0	1.00000	ug/L	134051		11/08/04 1723	s

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-188-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J290255-003 Work Order #...: GVT4W1AC
Date Sampled...: 10/28/04 09:40 Date Received...: 10/29/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
Dilution Factor: 1 Initial Wgt/Vol: 10 mL

Matrix.....: WG

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: L12mw-188-GW

General Chemistry

Lot-Sample #...: G4J290255-003
Date Sampled...: 10/28/04

Work Order #...: GVT4W
Date Received...: 10/29/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYAAP 14 ADGS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-189-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 231493-12 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	134144		11/12/04 1126	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADS

ATTN: Eric Ellis

Customer Sample ID: L12mw-189-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-12
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133152		11/03/04 2045	daj
7060A	Arsenic (GFAA) Arsenic	2.2			0.51	2.0	1	ug/L	133659		11/09/04 0801	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	133505		11/05/04 1547	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	133162		11/04/04 0029	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	133104		11/03/04 1504	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	66		B	24	150	1	ug/L	133264		11/04/04 1902	tds
	Barium	20			1.5	10	1	ug/L	133264		11/04/04 1902	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	133264		11/04/04 1902	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	133264		11/04/04 1902	tds
	Calcium	170000			24	100	1	ug/L	133264		11/04/04 1902	tds
	Chromium	10		U	1.5	10	1	ug/L	133264		11/04/04 1902	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	133264		11/04/04 1902	tds
	Copper	2.2		B	1.6	10	1	ug/L	133264		11/04/04 1902	tds
	Iron	560			40	120	1	ug/L	133264		11/04/04 1902	tds
	Magnesium	77000			12	100	1	ug/L	133264		11/04/04 1902	tds
	Manganese	390			0.71	10	1	ug/L	133264		11/04/04 1902	tds
	Nickel	10		U	1.9	10	1	ug/L	133264		11/04/04 1902	tds
	Potassium	2600			110	500	1	ug/L	133264		11/04/04 1902	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVRAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-189-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-12
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		5.0	15	1	ug/L	133264		11/04/04 1902	tds
	Silver	10	U		3.1	10	1	ug/L	133264		11/04/04 1902	tds
	Sodium	53000			500	1500	1	ug/L	133264		11/04/04 1902	tds
	Vanadium	10	U		2.1	10	1	ug/L	133264		11/04/04 1902	tds
	Zinc	69			10	30	1	ug/L	133264		11/04/04 1902	tds

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L12mw-189-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 231493-12 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDI	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	134081		11/10/04 2101	kdL
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	134081		11/10/04 2101	kdL
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	134081		11/10/04 2101	kdL
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	134081		11/10/04 2101	kdL
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	134081		11/10/04 2101	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	134081		11/10/04 2101	kdL
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	134081		11/10/04 2101	kdL
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	134081		11/10/04 2101	kdL
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	134081		11/10/04 2101	kdL
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	134081		11/10/04 2101	kdL
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	134081		11/10/04 2101	kdL
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	134081		11/10/04 2101	kdL
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	134081		11/10/04 2101	kdL

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOGS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-189-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 231493-12 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	134155		11/09/04 0715	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	134155		11/09/04 0715	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	134155		11/09/04 0715	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	134155		11/09/04 0715	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	134155		11/09/04 0715	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	134155		11/09/04 0715	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	134155		11/09/04 0715	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: L12mw-189-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-12
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

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	133786		11/09/04 1720	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	133786		11/09/04 1720	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	133786		11/09/04 1720	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	133786		11/09/04 1720	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	133786		11/09/04 1720	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	133786		11/09/04 1720	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/11/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYMAP 14 ROCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-189-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-12
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	133786		11/09/04 1720	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: NIM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-189-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-12
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLACS	MOL	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	134460		11/04/04 1957	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U	0.29	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U	0.42	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U	0.32	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U	0.34	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Benzyl alcohol, Low Level Water	19	U	2.1	19	1.00000	ug/L	134460		11/04/04 1957	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U	0.27	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U	0.079	0.49	1.00000	ug/L	134460		11/04/04 1957	dpk
	Hexachloroethane, Low Level Water	4.9	U	0.59	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U	0.097	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	2-Chlorophenol, Low Level Water	4.9	U	0.12	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Nitrobenzene, Low Level Water	0.97	U	0.16	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U	0.30	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U	0.33	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Benzoic acid, Low Level Water	19	U	2.9	19	1.00000	ug/L	134460		11/04/04 1957	dpk
	Isophorone, Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U	1.3	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U	0.62	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Naphthalene, Low Level Water	0.97	U	0.16	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U	0.88	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	4-Chloroaniline, Low Level Water	9.7	U	2.7	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U	0.20	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U	1.4	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	0.63	19	1.00000	ug/L	134460		11/04/04 1957	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U	0.13	0.49	1.00000	ug/L	134460		11/04/04 1957	dpk
	2-Nitroaniline, Low Level Water	4.9	U	0.21	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 231493

Date: 11/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RWAP 14 ADES

ATTN: Eric Ellis

Customer Sample ID: L12mw-189-GW
 Date Sampled.....: 10/28/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231493-12
 Date Received.....: 10/29/2004
 Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	U	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	134460		11/04/04 1957	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	134460		11/04/04 1957	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	134460		11/04/04 1957	dpk
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	134460		11/04/04 1957	dpk
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	134460		11/04/04 1957	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	134460		11/04/04 1957	dpk
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	134460		11/04/04 1957	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	134460		11/04/04 1957	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	134460		11/04/04 1957	dpk

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/17/2004				
CUSTOMER: MKH Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-189-GW			Laboratory Sample ID: 231493-12									
Date Sampled: 10/28/2004			Date Received: 10/29/2004									
Time Sampled: 11:15			Time Received: 09:20									
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	134460		11/04/04 1957	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15		U	3.8	15	1.00000	ug/L	134460		11/04/04 1957	dpk
	Di-n-octyl phthalate, Low Level Water	9.7		U	2.4	9.7	1.00000	ug/L	134460		11/04/04 1957	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39		U	0.065	0.39	1.00000	ug/L	134460		11/04/04 1957	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39		U	0.070	0.39	1.00000	ug/L	134460		11/04/04 1957	dpk
	Benzo(a)pyrene, Low Level Water	0.39		U	0.082	0.39	1.00000	ug/L	134460		11/04/04 1957	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39		U	0.083	0.39	1.00000	ug/L	134460		11/04/04 1957	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39		U	0.13	0.39	1.00000	ug/L	134460		11/04/04 1957	dpk
	Benzo(ghi)perylene, Low Level Water	0.97		U	0.18	0.97	1.00000	ug/L	134460		11/04/04 1957	dpk

* In Description = Dry Wgt.

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Job Number: 231493		LABORATORY TEST RESULTS						Date: 11/12/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-189-GW Date Sampled.....: 10/28/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 231493-12 Date Received.....: 10/29/2004 Time Received.....: 09:20									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	U	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	134018		11/11/04 1254	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	134018		11/11/04 1254	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	134018		11/11/04 1254	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	134018		11/11/04 1254	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	134018		11/11/04 1254	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	134018		11/11/04 1254	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	134018		11/11/04 1254	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134018		11/11/04 1254	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	134018		11/11/04 1254	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	134018		11/11/04 1254	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	134018		11/11/04 1254	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	134018		11/11/04 1254	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134018		11/11/04 1254	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	134018		11/11/04 1254	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	134051		11/08/04 1647	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-189-GW

Trace Level Organic Compounds

Lot-Sample #...: G4J290255-002 Work Order #...: GVT4V1AC
Date Sampled...: 10/26/04 11:15 Date Received...: 10/29/04
Prep Date.....: 11/03/04 Analysis Date...: 11/04/04
Prep Batch #...: 4308301
Dilution Factor: 1 Initial Wgt/Vol: 10 mL

Matrix.....: WG

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: L12mw-189-GW

General Chemistry

Lot-Sample #...: G4J290255-002
Date Sampled...: 10/26/04

Work Order #...: GVT4V
Date Received...: 10/29/04

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	11/09-11/11/04	4314554
		MDL.....: 0.12				

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Job Number: 232332		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Eltis				
Customer Sample ID: L12mw-242-BW Date Sampled.....: 11/30/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water				Laboratory Sample ID: 232332-1 Date Received.....: 12/01/2004 Time Received.....: 10:10								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	136771		12/10/04 1148	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE R/VAMP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-GW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	136229		12/02/04 1132	daj
7060A	Arsenic (GFAA) Arsenic	23			0.51	2.0	1	ug/L	136255		12/02/04 1711	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	136490		12/07/04 1344	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136253		12/02/04 1528	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	136366		12/06/04 1603	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	136727		12/09/04 1647	tds
	Barium	20			1.3	10	1	ug/L	136727		12/09/04 1647	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136727		12/09/04 1647	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	136727		12/09/04 1647	tds
	Calcium	68000			9.5	100	1	ug/L	136727		12/09/04 1647	tds
	Chromium	10	U		1.1	10	1	ug/L	136727		12/09/04 1647	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136727		12/09/04 1647	tds
	Copper	2.8	B		2.2	10	1	ug/L	136727		12/09/04 1647	tds
	Iron	1100			38	120	1	ug/L	136727		12/09/04 1647	tds
	Magnesium	44000			8.1	100	1	ug/L	136727		12/09/04 1647	tds
	Manganese	86			0.41	10	1	ug/L	136727		12/09/04 1647	tds
	Nickel	10	U		1.0	10	1	ug/L	136727		12/09/04 1647	tds
	Potassium	4900			66	500	1	ug/L	136727		12/09/04 1647	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-GW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

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	136727		12/09/04 1647	tds
	Silver	10		U	0.72	10	1	ug/L	136727		12/09/04 1647	tds
	Sodium	35000			490	1500	1	ug/L	136727		12/09/04 1647	tds
	Vanadium	10		U	1.0	10	1	ug/L	136727		12/09/04 1647	tds
	Zinc	11		B	1.6	30	1	ug/L	136727		12/09/04 1647	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332 Date: 12/15/2004

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

Customer Sample ID: L12mw-242-GW Laboratory Sample ID: 232332-1
 Date Sampled.....: 11/30/2004 Date Received.....: 12/01/2004
 Time Sampled.....: 09:30 Time Received.....: 10:10
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	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	137065		12/04/04 0605	kdL
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	137065		12/04/04 0605	kdL
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	137065		12/04/04 0605	kdL
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	137065		12/04/04 0605	kdL
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	137065		12/04/04 0605	kdL
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	137065		12/04/04 0605	kdL
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	137065		12/04/04 0605	kdL
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	137065		12/04/04 0605	kdL
	Methoxychlor	0.60	U		0.17	0.60	1.00000	ug/L	137065		12/04/04 0605	kdL
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	137065		12/04/04 0605	kdL
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	137065		12/04/04 0605	kdL
	Endrin ketone	0.10	U		0.029	0.10	1.00000	ug/L	137065		12/04/04 0605	kdL
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	137065		12/04/04 0605	kdL

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/14/2004

CUSTOMER: HKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-GW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.60		U	0.18	0.60	1.00000	ug/L	136989		12/03/04 1347	bjt
	Aroclor 1221	1.3		U	0.42	1.3	1.00000	ug/L	136989		12/03/04 1347	bjt
	Aroclor 1232	1.3		U	0.35	1.3	1.00000	ug/L	136989		12/03/04 1347	bjt
	Aroclor 1242	1.3		U	0.43	1.3	1.00000	ug/L	136989		12/03/04 1347	bjt
	Aroclor 1248	1.5		U	0.48	1.5	1.00000	ug/L	136989		12/03/04 1347	bjt
	Aroclor 1254	1.3		U	0.35	1.3	1.00000	ug/L	136989		12/03/04 1347	bjt
	Aroclor 1260	0.60		U	0.17	0.60	1.00000	ug/L	136989		12/03/04 1347	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-GW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

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	136228		12/03/04 1512	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1512	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1512	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	2-Butanone (MEK)	47	U	H	1.2	10	1.00000	ug/L	136228		12/03/04 1512	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,2-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1512	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1512	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332 Date: 12/14/2004

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

Customer Sample ID: L12MW-242-GW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1512	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

CUSTOMER: NKK Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-GW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DTLUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.1	U		0.35	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	137097		12/06/04 1053	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.082	0.51	1.00000	ug/L	137097		12/06/04 1053	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	137097		12/06/04 1053	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.92	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.66	20	1.00000	ug/L	137097		12/06/04 1053	dpk
	2-Methylnaphthalene, Low Level Water	0.51	U		0.13	0.51	1.00000	ug/L	137097		12/06/04 1053	dpk
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: OSAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-GW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	137097		12/06/04 1053	dpk
	2-Nitrophenol, Low Level Water	10	U		0.83	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	137097		12/06/04 1053	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	137097		12/06/04 1053	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.098	0.51	1.00000	ug/L	137097		12/06/04 1053	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.76	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	137097		12/06/04 1053	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Carbazole, Low Level Water	5.1	U		0.29	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.36	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	137097		12/06/04 1053	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	137097		12/06/04 1053	dpk
	Chrysene, Low Level Water	0.51	U		0.045	0.51	1.00000	ug/L	137097		12/06/04 1053	dpk

* In Description = Dry Wgt.

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Job Number: 232332		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-242-GW Date Sampled.....: 11/30/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232332-1 Date Received.....: 12/01/2004 Time Received.....: 10:10									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.1	U		0.73	5.1	1.00000	ug/L	137097		12/06/04 1053	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	137097		12/06/04 1053	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	137097		12/06/04 1053	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.068	0.40	1.00000	ug/L	137097		12/06/04 1053	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.073	0.40	1.00000	ug/L	137097		12/06/04 1053	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	137097		12/06/04 1053	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.087	0.40	1.00000	ug/L	137097		12/06/04 1053	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	137097		12/06/04 1053	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	137097		12/06/04 1053	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12MW-242-BW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-1
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.34	U		0.075	0.34	1.00000	ug/L	137193		12/03/04 1510	san
	RDX	0.22	U		0.070	0.22	1.00000	ug/L	137193		12/03/04 1510	san
	1,3,5-Trinitrobenzene	0.22	U		0.064	0.22	1.00000	ug/L	137193		12/03/04 1510	san
	1,3-Dinitrobenzene	0.22	U		0.060	0.22	1.00000	ug/L	137193		12/03/04 1510	san
	Nitrobenzene	0.18	U		0.048	0.18	1.00000	ug/L	137193		12/03/04 1510	san
	2,4,6-TNT	0.28	U		0.086	0.28	1.00000	ug/L	137193		12/03/04 1510	san
	Tetryl	0.86	U		0.18	0.86	1.00000	ug/L	137193		12/03/04 1510	san
	2,4-Dinitrotoluene	0.40	U		0.13	0.40	1.00000	ug/L	137193		12/03/04 1510	san
	2,6-Dinitrotoluene	0.47	U		0.16	0.47	1.00000	ug/L	137193		12/03/04 1510	san
	2-Amino-4,6-Dinitrotoluene	0.40	U		0.13	0.40	1.00000	ug/L	137193		12/03/04 1510	san
	4-Amino-2,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137193		12/03/04 1510	san
	2-Nitrotoluene	0.34	U		0.10	0.34	1.00000	ug/L	137193		12/03/04 1510	san
	4-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137193		12/03/04 1510	san
3-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137193		12/03/04 1510	san	
8332M	NG/PETN by 8332M (HPLC) Nitroglycerine	1.1	U		0.16	1.1	1.00000	ug/L	137204		12/02/04 1742	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-242-GW

Trace Level Organic Compounds

Lot-Sample #...: G4L010252-001 Work Order #...: GX2331AC Matrix.....: WATER
Date Sampled...: 11/30/04 09:30 Date Received...: 12/01/04
Prep Date.....: 12/08/04 Analysis Date...: 12/08/04
Prep Batch #...: 4342544
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: L12mw-242-GW

General Chemistry

Lot-Sample #...: G4L010252-001
Date Sampled...: 11/30/04

Work Order #...: GX233
Date Received...: 12/01/04

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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LABORATORY TEST RESULTS												
Job Number: 232332								Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: L12mw-242-DUP Date Sampled.....: 11/30/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water						Laboratory Sample ID: 232332-2 Date Received.....: 12/01/2004 Time Received.....: 10:10						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U		0.057	0.20	1	mg/L	136771		12/10/04 1151	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

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

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	136229		12/02/04 1221	daj
7060A	Arsenic (GFAA) Arsenic	25			0.51	2.0	1	ug/L	136255		12/02/04 1811	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	136490		12/07/04 1436	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136253		12/02/04 1618	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	136366		12/06/04 1612	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	136727		12/09/04 1742	tds
	Barium	23			1.3	10	1	ug/L	136727		12/09/04 1742	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136727		12/09/04 1742	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	136727		12/09/04 1742	tds
	Calcium	67000			9.5	100	1	ug/L	136727		12/09/04 1742	tds
	Chromium	10	U		1.1	10	1	ug/L	136727		12/09/04 1742	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136727		12/09/04 1742	tds
	Copper	3.0	B		2.2	10	1	ug/L	136727		12/09/04 1742	tds
	Iron	1000			38	120	1	ug/L	136727		12/09/04 1742	tds
	Magnesium	44000			8.1	100	1	ug/L	136727		12/09/04 1742	tds
	Manganese	84			0.41	10	1	ug/L	136727		12/09/04 1742	tds
	Nickel	10	U		1.0	10	1	ug/L	136727		12/09/04 1742	tds
	Potassium	4800			66	500	1	ug/L	136727		12/09/04 1742	tds

* In Description = Dry Mgt.

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Job Number: 232332		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-242-DUP Date Sampled.....: 11/30/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232332-2 Date Received.....: 12/01/2004 Time Received.....: 10:10									
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	136727		12/09/04 1742	tds
	Silver	10	U		0.72	10	1	ug/L	136727		12/09/04 1742	tds
	Sodium	34000			490	1500	1	ug/L	136727		12/09/04 1742	tds
	Vanadium	10	U		1.0	10	1	ug/L	136727		12/09/04 1742	tds
	Zinc	7.5	B		1.6	30	1	ug/L	136727		12/09/04 1742	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS											
Job Number: 232332								Date: 12/15/2004			
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RVAAP 1A ADDS				ATTN: Eric Ellis			
Customer Sample ID: L12mw-242-DUP Date Sampled.....: 11/30/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water						Laboratory Sample ID: 232332-2 Date Received.....: 12/01/2004 Time Received.....: 10:10					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC	0.15	U	0.047	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	beta-BHC	0.10	U	0.028	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	delta-BHC	0.10	U	0.025	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	gamma-BHC (Lindane)	0.15	U	0.042	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	Heptachlor	0.15	U	0.041	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	Aldrin	0.10	U	0.028	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	Heptachlor epoxide	0.15	U	0.036	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	Endosulfan I	0.10	U	0.021	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	Dieldrin	0.10	U	0.018	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	4,4'-DDE	0.10	U	0.023	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	Endrin	0.10	U	0.017	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	Endosulfan II	0.15	U	0.042	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	4,4'-DDD	0.11	U	0.036	0.11	1.00000	ug/L	137065		12/04/04 0720	kdl
	Endosulfan sulfate	0.15	U	0.044	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	4,4'-DDT	0.15	U	0.049	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	Methoxychlor	0.60	U	0.17	0.60	1.00000	ug/L	137065		12/04/04 0720	kdl
	alpha-Chlordane	0.050	U	0.016	0.050	1.00000	ug/L	137065		12/04/04 0720	kdl
	gamma-Chlordane	0.10	U	0.017	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	Endrin aldehyde	0.15	U	0.035	0.15	1.00000	ug/L	137065		12/04/04 0720	kdl
	Endrin ketone	0.10	U	0.029	0.10	1.00000	ug/L	137065		12/04/04 0720	kdl
	Toxaphene	0.50	U	0.14	0.50	1.00000	ug/L	137065		12/04/04 0720	kdl

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.60		U	0.18	0.60	1.00000	ug/L	136989		12/03/04 1533	bjt
	Aroclor 1221	1.3		U	0.42	1.3	1.00000	ug/L	136989		12/03/04 1533	bjt
	Aroclor 1232	1.3		U	0.35	1.3	1.00000	ug/L	136989		12/03/04 1533	bjt
	Aroclor 1242	1.3		U	0.43	1.3	1.00000	ug/L	136989		12/03/04 1533	bjt
	Aroclor 1248	1.5		U	0.48	1.5	1.00000	ug/L	136989		12/03/04 1533	bjt
	Aroclor 1254	1.3		U	0.35	1.3	1.00000	ug/L	136989		12/03/04 1533	bjt
	Aroclor 1260	0.60		U	0.17	0.60	1.00000	ug/L	136989		12/03/04 1533	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVRAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1619	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1619	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	2-Butanone (MEK)	38	U		1.2	10	1.00000	ug/L	136228		12/03/04 1619	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1619	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1619	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOB5

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1619	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USAGE RYAAP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.1	U		0.35	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	137097		12/06/04 1119	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.51	U		0.082	0.51	1.00000	ug/L	137097		12/06/04 1119	dpk
	Hexachloroethane, Low Level Water	5.1	U		0.62	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	2-Chlorophenol, Low Level Water	5.1	U		0.12	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	137097		12/06/04 1119	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	Hexachlorobutadiene, Low Level Water	5.1	U		0.65	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.92	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.1	U		0.21	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.66	20	1.00000	ug/L	137097		12/06/04 1119	dpk
	2-Methylnaphthalene, Low Level Water	0.51	U		0.13	0.51	1.00000	ug/L	137097		12/06/04 1119	dpk
	2-Nitroaniline, Low Level Water	5.1	U		0.22	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,6-Dinitrotoluene, Low Level Water	0.51	U		0.11	0.51	1.00000	ug/L	137097		12/06/04 1119	dpk
	2-Nitrophenol, Low Level Water	10	U		0.83	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	137097		12/06/04 1119	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	137097		12/06/04 1119	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.1	U		0.19	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	Hexachlorobenzene, Low Level Water	0.51	U		0.098	0.51	1.00000	ug/L	137097		12/06/04 1119	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.1	U		0.76	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	137097		12/06/04 1119	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	137097		12/06/04 1119	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Carbazole, Low Level Water	5.1	U		0.29	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	Di-n-butyl phthalate, Low Level Water	5.1	U		0.36	5.1	1.00000	ug/L	137097		12/06/04 1119	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	137097		12/06/04 1119	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	137097		12/06/04 1119	dpk
	Chrysene, Low Level Water	0.51	U		0.045	0.51	1.00000	ug/L	137097		12/06/04 1119	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: LISACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.1	U		0.73	5.1	1.0000	ug/L	137097		12/06/04 1119	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.0000	ug/L	137097		12/06/04 1119	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.0000	ug/L	137097		12/06/04 1119	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.068	0.40	1.0000	ug/L	137097		12/06/04 1119	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.073	0.40	1.0000	ug/L	137097		12/06/04 1119	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.085	0.40	1.0000	ug/L	137097		12/06/04 1119	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.087	0.40	1.0000	ug/L	137097		12/06/04 1119	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.0000	ug/L	137097		12/06/04 1119	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.0000	ug/L	137097		12/06/04 1119	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232332

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Elits

Customer Sample ID: L12mw-242-DUP
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232332-2
 Date Received.....: 12/01/2004
 Time Received.....: 10:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	137193		12/03/04 1648	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137193		12/03/04 1648	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137193		12/03/04 1648	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137193		12/03/04 1648	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137193		12/03/04 1648	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137193		12/03/04 1648	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137193		12/03/04 1648	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137193		12/03/04 1648	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137193		12/03/04 1648	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137193		12/03/04 1648	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137193		12/03/04 1648	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137193		12/03/04 1648	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137193		12/03/04 1648	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137193		12/03/04 1648	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	0.18	J		0.15	1.0	1.00000	ug/L	137204		12/02/04 2004	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-242-DUP

Trace Level Organic Compounds

Lot-Sample #....: G4L010252-002 Work Order #....: GX2361AC Matrix.....: WATER
Date Sampled....: 11/30/04 09:30 Date Received...: 12/01/04
Prep Date.....: 12/08/04 Analysis Date...: 12/08/04
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: L12mw-242-DUP

General Chemistry

Lot-Sample #...: G4L010252-002
Date Sampled...: 11/30/04

Work Order #...: GX236
Date Received...: 12/01/04

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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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U		0.057	0.20	1	mg/L	137053		12/14/04 1215	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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 1817	daj
7060A	Arsenic (GFAA) Arsenic	5.0			0.51	2.0	1	ug/L	136355		12/06/04 1925	daj
7421	Lead (GFAA) Lead	8.6			0.79	3.0	1	ug/L	136640		12/08/04 1518	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136346		12/07/04 0255	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137125		12/14/04 1434	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	42	B		24	150	1	ug/L	137184		12/15/04 1706	tds
	Barium	62			1.3	10	1	ug/L	137184		12/15/04 1706	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137184		12/15/04 1706	tds
	Cadmium	0.31	B		0.25	2.0	1	ug/L	137184		12/15/04 1706	tds
	Calcium	130000			9.5	100	1	ug/L	137184		12/15/04 1706	tds
	Chromium	10	U		1.1	10	1	ug/L	137184		12/15/04 1706	tds
	Cobalt	1.4	B		0.80	5.0	1	ug/L	137184		12/15/04 1706	tds
	Copper	10	U		2.2	10	1	ug/L	137184		12/15/04 1706	tds
	Iron	240			38	120	1	ug/L	137184		12/15/04 1706	tds
	Magnesium	77000			8.1	100	1	ug/L	137184		12/15/04 1706	tds
	Manganese	250			0.41	10	1	ug/L	137184		12/15/04 1706	tds
	Nickel	3.2	B		1.0	10	1	ug/L	137184		12/15/04 1706	tds
	Potassium	7100			66	500	1	ug/L	137184		12/15/04 1706	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 ADCS

ATTN: ERIC ELLIS

Customer Sample ID: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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 1706	tds
	Silver	10	U		0.72	10	1	ug/L	137184		12/15/04 1706	tds
	Sodium	21000			490	1500	1	ug/L	137184		12/15/04 1706	tds
	Vanadium	10	U		1.0	10	1	ug/L	137184		12/15/04 1706	tds
	Zinc	40			1.6	30	1	ug/L	137184		12/15/04 1706	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 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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		0.048	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	beta-BHC	0.10	U		0.029	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	delta-BHC	0.10	U		0.026	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	gamma-BHC (Lindane)	0.15	U		0.043	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	Heptachlor	0.15	U		0.042	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	Aldrin	0.10	U		0.029	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	Heptachlor epoxide	0.15	U		0.037	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	Endosulfan I	0.10	U		0.022	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	Dieldrin	0.10	U		0.019	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	4,4'-DDE	0.10	U		0.024	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	Endrin	0.10	U		0.018	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	Endosulfan II	0.15	U		0.043	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	4,4'-DDD	0.11	U		0.037	0.11	1.00000	ug/L	137219		12/06/04 2034	kdl
	Endosulfan sulfate	0.15	U		0.045	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	4,4'-DDT	0.15	U		0.051	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	Methoxychlor	0.62	U		0.18	0.62	1.00000	ug/L	137219		12/06/04 2034	kdl
	alpha-Chlordane	0.052	U		0.016	0.052	1.00000	ug/L	137219		12/06/04 2034	kdl
	gamma-Chlordane	0.10	U		0.018	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	Endrin aldehyde	0.15	U		0.036	0.15	1.00000	ug/L	137219		12/06/04 2034	kdl
	Endrin ketone	0.10	U		0.030	0.10	1.00000	ug/L	137219		12/06/04 2034	kdl
	Toxaphene	0.52	U		0.14	0.52	1.00000	ug/L	137219		12/06/04 2034	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: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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	0.62	U		0.19	0.62	1.00000	ug/L	137237		12/07/04 1822	bjt
	Aroclor 1221	1.3	U		0.43	1.3	1.00000	ug/L	137237		12/07/04 1822	bjt
	Aroclor 1232	1.3	U		0.36	1.3	1.00000	ug/L	137237		12/07/04 1822	bjt
	Aroclor 1242	1.3	U		0.44	1.3	1.00000	ug/L	137237		12/07/04 1822	bjt
	Aroclor 1248	1.5	U		0.49	1.5	1.00000	ug/L	137237		12/07/04 1822	bjt
	Aroclor 1254	1.3	U		0.36	1.3	1.00000	ug/L	137237		12/07/04 1822	bjt
	Aroclor 1260	0.62	U		0.18	0.62	1.00000	ug/L	137237		12/07/04 1822	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 AGDS

ATTN: Eric Ellis

Customer Sample ID: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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 1106	jdh
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1106	jdh
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1106	jdh
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1106	jdh
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1106	jdh
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1106	jdh
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1106	jdh

* In Description = Dry Wgt.

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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: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1106	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOC5

ATTN: Eric Ellis

Customer Sample ID: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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	5.0	U		0.35	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136557		12/08/04 1709	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.080	0.50	1.00000	ug/L	136557		12/08/04 1709	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.60	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.099	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Nitrobenzene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	136557		12/08/04 1709	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,4-Dimethylphenol, Low Level Water	9.9	U		1.3	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.63	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Naphthalene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,4-Dichlorophenol, Low Level Water	9.9	U		0.90	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	4-Chloroaniline, Low Level Water	9.9	U		2.8	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.9	U		1.4	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136557		12/08/04 1709	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	136557		12/08/04 1709	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	136557		12/08/04 1709	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 ADCS

ATTN: Eric Elkins

Customer Sample ID: L12mw-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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	9.9	U		2.4	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	136557		12/08/04 1709	dpk
	2-Nitrophenol, Low Level Water	9.9	U		0.81	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	3-Nitroaniline, Low Level Water	9.9	U		2.1	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	136557		12/08/04 1709	dpk
	Acenaphthylene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	2,4-Dinitrotoluene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	Acenaphthene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	136557		12/08/04 1709	dpk
	Fluorene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	4-Nitroaniline, Low Level Water	9.9	U		2.3	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.096	0.50	1.00000	ug/L	136557		12/08/04 1709	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.74	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Pentachlorophenol, Low Level Water	9.9	U		1.7	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136557		12/08/04 1709	dpk
	Phenanthrene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	Anthracene, Low Level Water	0.99	U		0.15	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Fluoranthene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	Pyrene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	136557		12/08/04 1709	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	136557		12/08/04 1709	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	136557		12/08/04 1709	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 AGES

ATTN: Eric Ellis

Customer Sample ID: L12MW-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 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	5.0	U		0.71	5.0	1.00000	ug/L	136557		12/08/04 1709	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	136557		12/08/04 1709	dpk
	Di-n-octyl phthalate, Low Level Water	9.9	U		2.5	9.9	1.00000	ug/L	136557		12/08/04 1709	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.066	0.40	1.00000	ug/L	136557		12/08/04 1709	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.071	0.40	1.00000	ug/L	136557		12/08/04 1709	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.083	0.40	1.00000	ug/L	136557		12/08/04 1709	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	136557		12/08/04 1709	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	136557		12/08/04 1709	dpk
	Benzo(ghi)perylene, Low Level Water	0.99	U		0.19	0.99	1.00000	ug/L	136557		12/08/04 1709	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 AQCS

ATTN: Eric Ellis

Customer Sample ID: L12MW-243-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-3
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
833D	Explosives by 833D (HPLC)											
	HMX	0.78			0.074	0.34	1.00000	ug/L	137332		12/04/04 0416	bdw
	RDX	1.5			0.069	0.22	1.00000	ug/L	137332		12/04/04 0416	bdw
	1,3,5-Trinitrobenzene	0.22	U		0.063	0.22	1.00000	ug/L	137332		12/04/04 0416	bdw
	1,3-Dinitrobenzene	0.22	U		0.060	0.22	1.00000	ug/L	137332		12/04/04 0416	bdw
	Nitrobenzene	0.17	U		0.048	0.17	1.00000	ug/L	137332		12/04/04 0416	bdw
	2,4,6-TNT	3.0			0.085	0.27	1.00000	ug/L	137332		12/04/04 0416	bdw
	Tetryl	0.85	U		0.18	0.85	1.00000	ug/L	137332		12/04/04 0416	bdw
	2,4-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137332		12/04/04 0416	bdw
	2,6-Dinitrotoluene	0.47	U		0.15	0.47	1.00000	ug/L	137332		12/04/04 0416	bdw
	2-Amino-4,6-Dinitrotoluene	2.5			0.13	0.39	1.00000	ug/L	137332		12/04/04 0416	bdw
	4-Amino-2,6-Dinitrotoluene	3.2			0.12	0.36	1.00000	ug/L	137332		12/04/04 0416	bdw
	2-Nitrotoluene	0.34	U		0.10	0.34	1.00000	ug/L	137332		12/04/04 0416	bdw
	4-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137332		12/04/04 0416	bdw
3-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137332		12/04/04 0416	bdw	
8332M	NG/PETM by 8332M (HPLC)											
	Nitroglycerine	1.1	U		0.16	1.1	1.00000	ug/L	137338		12/03/04 0356	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-243-GW

Trace Level Organic Compounds

Lot-Sample #...: G4L020243-001 Work Order #...: GX5EJ1AC Matrix.....: WATER
Date Sampled...: 11/29/04 14:55 Date Received...: 12/02/04
Prep Date.....: 12/08/04 Analysis Date...: 12/08/04
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: L12mw-243-GW

General Chemistry

Matrix.....: WATER

Lot-Sample #...: G4L020243-001 Work Order #...: GX5EJ
Date Sampled...: 11/29/04 Date Received...: 12/02/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	12/13-12/15/04	4348530
		MDL.....: 0.12				

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LABORATORY TEST RESULTS												
Job Number: 232296				Date: 12/27/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: L12mw-244-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 11:20 Sample Matrix.....: Water						Laboratory Sample ID: 232296-1 Date Received.....: 11/30/2004 Time Received.....: 09:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20		U	0.057	0.20	1	mg/L	136771		12/10/04 1145	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-244-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-1
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

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 2118	daj
7060A	Arsenic (GFAA) Arsenic	11			0.51	2.0	1	ug/L	136255		12/02/04 1217	daj
7421	Lead (GFAA) Lead	1.0	B		0.79	3.0	1	ug/L	135880		12/01/04 1916	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136253		12/02/04 1111	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	135954		12/01/04 1524	gek
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	136189		12/04/04 0133	tds
	Barium	130			1.3	10	1	ug/L	136189		12/04/04 0133	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0133	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0133	tds
	Calcium	80000			9.5	100	1	ug/L	136189		12/04/04 0133	tds
	Chromium	10	U		1.1	10	1	ug/L	136189		12/04/04 0133	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136189		12/04/04 0133	tds
	Copper	10	U		2.2	10	1	ug/L	136189		12/04/04 0133	tds
	Iron	42	B		38	120	1	ug/L	136189		12/04/04 0133	tds
	Magnesium	25000			8.1	100	1	ug/L	136189		12/04/04 0133	tds
	Manganese	160			0.41	10	1	ug/L	136189		12/04/04 0133	tds
	Nickel	1.5	B		1.0	10	1	ug/L	136189		12/04/04 0133	tds
	Potassium	6600			66	500	1	ug/L	136189		12/04/04 0133	tds

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: HKN Engineers, Inc.			PROJECT: USAGE RYAAP 14 ADES				ATTN: Eric Ellis					
Customer Sample ID: L12mw-244-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 11:20 Sample Matrix.....: Water			Laboratory Sample ID: 232296-1 Date Received.....: 11/30/2004 Time Received.....: 09:30									
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	136189		12/04/04 0133	tds
	Silver	10		U	0.72	10	1	ug/L	136189		12/04/04 0133	tds
	Sodium	11000			490	1500	1	ug/L	136189		12/04/04 0133	tds
	Vanadium	10		U	1.0	10	1	ug/L	136189		12/04/04 0133	tds
	Zinc	30		U	1.6	30	1	ug/L	136189		12/04/04 0133	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellits

Customer Sample ID: L12mw-244-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-1
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	beta-BHC	0.10	U		0.028	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	delta-BHC	0.10	U		0.025	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	Aldrin	0.10	U		0.028	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	Endosulfan I	0.10	U		0.021	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	Dieldrin	0.10	U		0.018	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	4,4'-DDE	0.10	U		0.023	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	Endrin	0.10	U		0.017	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	136970		12/02/04 1803	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	Methoxychlor	0.60	U		0.17	0.60	1.00000	ug/L	136970		12/02/04 1803	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	136970		12/02/04 1803	kdl
	gamma-Chlordane	0.10	U		0.017	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	136970		12/02/04 1803	kdl
	Endrin ketone	0.10	U		0.029	0.10	1.00000	ug/L	136970		12/02/04 1803	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	136970		12/02/04 1803	kdl

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date:12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGES				ATTN: ERIC ELLIS					
Customer Sample ID: L12mw-244-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 11:20 Sample Matrix.....: Water			Laboratory Sample ID: 232296-1 Date Received.....: 11/30/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.60	U		0.18	0.60	1.00000	ug/L	136983		12/02/04 1427	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	136983		12/02/04 1427	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	136983		12/02/04 1427	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	136983		12/02/04 1427	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	136983		12/02/04 1427	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	136983		12/02/04 1427	bjt
	Aroclor 1260	0.60	U		0.17	0.60	1.00000	ug/L	136983		12/02/04 1427	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/13/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-244-BW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-1
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1748	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1748	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1748	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1748	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1748	jdj

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS							Date: 12/13/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-244-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 11:20 Sample Matrix.....: Water			Laboratory Sample ID: 232296-1 Date Received.....: 11/30/2004 Time Received.....: 09:30									
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 1748	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1748	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232296						Date: 12/14/2004						
CUSTOMER: MCM Engineers, Inc.				PROJECT: USACE RWAMP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: L12mw-244-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 11:20 Sample Matrix.....: Water						Laboratory Sample ID: 232296-1 Date Received.....: 11/30/2004 Time Received.....: 09:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136926		12/06/04 1212	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136926		12/06/04 1212	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136926		12/06/04 1212	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	4-Chloroaniline, Low Level Water	9.8	U	*	2.7	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136926		12/06/04 1212	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136926		12/06/04 1212	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232296					Date: 12/14/2004							
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: L12MW-244-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 11:20 Sample Matrix.....: Water					Laboratory Sample ID: 232296-1 Date Received.....: 11/30/2004 Time Received.....: 09:30							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136926		12/06/04 1212	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	136926		12/06/04 1212	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	136926		12/06/04 1212	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	136926		12/06/04 1212	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136926		12/06/04 1212	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136926		12/06/04 1212	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	136926		12/06/04 1212	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	136926		12/06/04 1212	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136926		12/06/04 1212	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-244-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-1
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

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	136926		12/06/04 1212	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136926		12/06/04 1212	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	136926		12/06/04 1212	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	136926		12/06/04 1212	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	136926		12/06/04 1212	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136926		12/06/04 1212	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	136926		12/06/04 1212	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136926		12/06/04 1212	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	136926		12/06/04 1212	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/09/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: Lf2mw-244-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 11:20
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-1
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.44	U		0.097	0.44	1.00000	ug/L	136608		12/01/04 0146	san
	RDX	0.29	U		0.092	0.29	1.00000	ug/L	136608		12/01/04 0146	san
	1,3,5-Trinitrobenzene	0.29	U		0.083	0.29	1.00000	ug/L	136608		12/01/04 0146	san
	1,3-Dinitrobenzene	0.29	U		0.079	0.29	1.00000	ug/L	136608		12/01/04 0146	san
	Nitrobenzene	0.23	U		0.063	0.23	1.00000	ug/L	136608		12/01/04 0146	san
	2,4,6-TNT	0.36	U	*	0.11	0.36	1.00000	ug/L	136608		12/01/04 0146	san
	Tetryl	1.1	U		0.24	1.1	1.00000	ug/L	136608		12/01/04 0146	san
	2,4-Dinitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	136608		12/01/04 0146	san
	2,6-Dinitrotoluene	0.62	U		0.20	0.62	1.00000	ug/L	136608		12/01/04 0146	san
	2-Amino-4,6-Dinitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	136608		12/01/04 0146	san
	4-Amino-2,6-Dinitrotoluene	0.47	U		0.16	0.47	1.00000	ug/L	136608		12/01/04 0146	san
	2-Nitrotoluene	0.44	U		0.13	0.44	1.00000	ug/L	136608		12/01/04 0146	san
	4-Nitrotoluene	0.44	U		0.14	0.44	1.00000	ug/L	136608		12/01/04 0146	san
3-Nitrotoluene	0.44	U		0.14	0.44	1.00000	ug/L	136608		12/01/04 0146	san	
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.4	U		0.22	1.4	1.00000	ug/L	136609		12/02/04 1409	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-244-GW

Trace Level Organic Compounds

Lot-Sample #...: G4K300238-001 Work Order #...: GX0E81AC Matrix.....: WATER
Date Sampled...: 11/29/04 11:20 Date Received...: 11/30/04
Prep Date.....: 12/08/04 Analysis Date...: 12/08/04
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: L12mw-244-GW

General Chemistry

Lot-Sample #...: G4K300238-001
Date Sampled...: 11/29/04

Work Order #...: GX0E8
Date Received...: 11/30/04

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	12/02-12/04/04	4336502
		MDL.....: 0.12				

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Job Number: 232296		LABORATORY TEST RESULTS						Date:12/27/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP T4 AOCS			ATTN: Eric Ellis					
Customer Sample ID: L12mw-245-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 13:50 Sample Matrix.....: Water			Laboratory Sample ID: 232296-3 Date Received.....: 11/30/2004 Time Received.....: 09:30								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U	0.057	0.20	1	mg/L	136771		12/10/04 1147	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/15/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADES

ATTN: Eric Ellis

Customer Sample ID: L12mw-245-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 13:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-3
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

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 2219	daj
7060A	Arsenic (GFAA) Arsenic	4.9			0.51	2.0	1	ug/L	136255		12/02/04 1557	daj
7421	Lead (GFAA) Lead	1.3	B		0.79	3.0	1	ug/L	135880		12/01/04 2014	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136253		12/02/04 1213	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	135954		12/01/04 1528	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	140	B		24	150	1	ug/L	136189		12/04/04 0211	tds
	Barium	54			1.3	10	1	ug/L	136189		12/04/04 0211	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0211	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0211	tds
	Calcium	120000			9.5	100	1	ug/L	136189		12/04/04 0211	tds
	Chromium	10	U		1.1	10	1	ug/L	136189		12/04/04 0211	tds
	Cobalt	1.4	B		0.80	5.0	1	ug/L	136189		12/04/04 0211	tds
	Copper	10	U		2.2	10	1	ug/L	136189		12/04/04 0211	tds
	Iron	240			38	120	1	ug/L	136189		12/04/04 0211	tds
	Magnesium	60000			8.1	100	1	ug/L	136189		12/04/04 0211	tds
	Manganese	99			0.41	10	1	ug/L	136189		12/04/04 0211	tds
	Nickel	4.3	B		1.0	10	1	ug/L	136189		12/04/04 0211	tds
	Potassium	5600			66	500	1	ug/L	136189		12/04/04 0211	tds

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: WOH Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-245-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 13:50 Sample Matrix.....: Water			Laboratory Sample ID: 232296-3 Date Received.....: 11/30/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	3.4	B		3.0	15	1	ug/L	136189		12/04/04 0211	tds
	Silver	10	U		0.72	10	1	ug/L	136189		12/04/04 0211	tds
	Sodium	22000			490	1500	1	ug/L	136189		12/04/04 0211	tds
	Vanadium	10	U		1.0	10	1	ug/L	136189		12/04/04 0211	tds
	Zinc	31			1.6	30	1	ug/L	136189		12/04/04 0211	tds

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L12mw-245-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 13:50 Sample Matrix.....: Water			Laboratory Sample ID: 232296-3 Date Received.....: 11/30/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136970		12/02/04 1853	kdL
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	136970		12/02/04 1853	kdL
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	136970		12/02/04 1853	kdL
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	136970		12/02/04 1853	kdL
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	136970		12/02/04 1853	kdL
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	136970		12/02/04 1853	kdL

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis					
Customer Sample ID: L12mw-245-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 13:50 Sample Matrix.....: Water				Laboratory Sample ID: 232296-3 Date Received.....: 11/30/2004 Time Received.....: 09:30								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	136983		12/02/04 1538	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	136983		12/02/04 1538	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	136983		12/02/04 1538	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	136983		12/02/04 1538	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	136983		12/02/04 1538	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	136983		12/02/04 1538	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	136983		12/02/04 1538	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: Z32296

Date: 12/13/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-245-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 13:50
 Sample Matrix.....: Water

Laboratory Sample ID: Z32296-3
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1833	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1833	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1833	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1833	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1833	jdj

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/13/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-245-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 13:50 Sample Matrix.....: Water			Laboratory Sample ID: 232296-3 Date Received.....: 11/30/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	PDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0		U	0.060	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,2-Dibromoethane (EDB)	1.0		U	0.13	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Chlorobenzene	1.0		U	0.080	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Ethylbenzene	1.0		U	0.070	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	m&p-Xylenes	2.0		U	0.18	2.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	o-Xylene	1.0		U	0.080	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Styrene	1.0		U	0.13	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Bromoform	1.0		U	0.11	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,1,2,2-Tetrachloroethane	1.0		U	0.090	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	1,2-Dichloroethene (total)	1.0		U	0.23	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj
	Xylenes (total)	1.0		U	0.28	1.0	1.00000	ug/L	136228		12/03/04 1833	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/14/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: USACE RYANP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-245-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 13:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-3
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136926		12/06/04 1305	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.080	0.50	1.00000	ug/L	136926		12/06/04 1305	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.60	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.099	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Nitrobenzene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	136926		12/06/04 1305	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,4-Dimethylphenol, Low Level Water	9.9	U		1.3	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.63	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Naphthalene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,4-Dichlorophenol, Low Level Water	9.9	U		0.90	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	4-Chloroaniline, Low Level Water	9.9	U	*	2.8	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.9	U		1.4	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136926		12/06/04 1305	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	136926		12/06/04 1305	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232296								Date: 12/14/2004				
CUSTOMER: MCM Engineers, Inc.				PROJECT: USACE RMAAP 14 AUCS				ATTN: Eric Ellis				
Customer Sample ID: L12mw-245-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 13:50 Sample Matrix.....: Water						Laboratory Sample ID: 232296-3 Date Received.....: 11/30/2004 Time Received.....: 09:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.9	U		2.4	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	136926		12/06/04 1305	dpk
	2-Nitrophenol, Low Level Water	9.9	U		0.81	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	3-Nitroaniline, Low Level Water	9.9	U		2.1	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	136926		12/06/04 1305	dpk
	Acenaphthylene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	2,4-Dinitrotoluene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	Acenaphthene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	136926		12/06/04 1305	dpk
	Fluorene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	4-Nitroaniline, Low Level Water	9.9	U		2.3	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.096	0.50	1.00000	ug/L	136926		12/06/04 1305	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.74	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Pentachlorophenol, Low Level Water	9.9	U		1.7	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136926		12/06/04 1305	dpk
	Phenanthrene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	Anthracene, Low Level Water	0.99	U		0.15	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Fluoranthene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	Pyrene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	136926		12/06/04 1305	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	136926		12/06/04 1305	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-245-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 13:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-3
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.71	5.0	1.00000	ug/L	136926		12/06/04 1305	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	136926		12/06/04 1305	dpk
	Di-n-octyl phthalate, Low Level Water	9.9	U		2.5	9.9	1.00000	ug/L	136926		12/06/04 1305	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.066	0.40	1.00000	ug/L	136926		12/06/04 1305	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.071	0.40	1.00000	ug/L	136926		12/06/04 1305	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.083	0.40	1.00000	ug/L	136926		12/06/04 1305	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	136926		12/06/04 1305	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	136926		12/06/04 1305	dpk
	Benzo(ghi)perylene, Low Level Water	0.99	U		0.19	0.99	1.00000	ug/L	136926		12/06/04 1305	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/09/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-245-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 13:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-3
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	136608		12/01/04 0251	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	136608		12/01/04 0251	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	136608		12/01/04 0251	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	136608		12/01/04 0251	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	136608		12/01/04 0251	san
	2,4,6-TNT	0.25	U	*	0.078	0.25	1.00000	ug/L	136608		12/01/04 0251	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	136608		12/01/04 0251	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136608		12/01/04 0251	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136608		12/01/04 0251	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136608		12/01/04 0251	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	136608		12/01/04 0251	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	136608		12/01/04 0251	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136608		12/01/04 0251	san
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136608		12/01/04 0251	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	136609		12/02/04 1520	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-245-GW

Trace Level Organic Compounds

Lot-Sample #....: G4K300238-003 Work Order #....: GX0FL1AC Matrix.....: WATER
Date Sampled....: 11/29/04 13:50 Date Received...: 11/30/04
Prep Date.....: 12/08/04 Analysis Date...: 12/08/04
Prep Batch #....: 4342544
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: L12mw-245-GW

General Chemistry

Lot-Sample #....: G4K300238-003
Date Sampled....: 11/29/04

Work Order #....: GX0FL
Date Received...: 11/30/04

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	12/02-12/04/04	4336502
		MDL.....: 0.12				

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-246-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232296-2 Date Received.....: 11/30/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
353.2	Nitrogen, NO2, NO3 (Auto Cd Red.) Nitrate as N (NO3-N)	0.20	U		0.057	0.20	1	mg/L	136771		12/10/04 1146	kd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/15/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACES

ATTN: Eric Ellis

Customer Sample ID: L12mw-246-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-2
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	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 2155	daj
7060A	Arsenic (GFAA) Arsenic	30			0.51	2.0	1	ug/L	136255		12/02/04 1253	daj
7421	Lead (GFAA) Lead	1.7	B		0.79	3.0	1	ug/L	135880		12/01/04 2002	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136253		12/02/04 1201	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	135954		12/01/04 1526	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	136189		12/04/04 0204	tds
	Barium	47			1.3	10	1	ug/L	136189		12/04/04 0204	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0204	tds
	Cadmium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0204	tds
	Calcium	110000			9.5	100	1	ug/L	136189		12/04/04 0204	tds
	Chromium	10	U		1.1	10	1	ug/L	136189		12/04/04 0204	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136189		12/04/04 0204	tds
	Copper	10	U		2.2	10	1	ug/L	136189		12/04/04 0204	tds
	Iron	1200			38	120	1	ug/L	136189		12/04/04 0204	tds
	Magnesium	52000			8.1	100	1	ug/L	136189		12/04/04 0204	tds
	Manganese	78			0.41	10	1	ug/L	136189		12/04/04 0204	tds
	Nickel	2.3	B		1.0	10	1	ug/L	136189		12/04/04 0204	tds
	Potassium	4400			66	500	1	ug/L	136189		12/04/04 0204	tds

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/15/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L12mw-246-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232296-2 Date Received.....: 11/30/2004 Time Received.....: 09:30									
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	136189		12/04/04 0204	tds
	Silver	10	U		0.72	10	1	ug/L	136189		12/04/04 0204	tds
	Sodium	23000			490	1500	1	ug/L	136189		12/04/04 0204	tds
	Vanadium	10	U		1.0	10	1	ug/L	136189		12/04/04 0204	tds
	Zinc	15	B		1.6	30	1	ug/L	136189		12/04/04 0204	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE: RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-246-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-2
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	136970		12/02/04 1828	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	136970		12/02/04 1828	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	136970		12/02/04 1828	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	136970		12/02/04 1828	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	136970		12/02/04 1828	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	136970		12/02/04 1828	kdl

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296 Date: 12/14/2004

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

Customer Sample ID: L12mw-246-GW Laboratory Sample ID: 232296-2
 Date Sampled.....: 11/29/2004 Date Received.....: 11/30/2004
 Time Sampled.....: 09:45 Time Received.....: 09:30
 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	0.59	U		0.18	0.59	1.00000	ug/L	136983		12/02/04 1502	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	136983		12/02/04 1502	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	136983		12/02/04 1502	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	136983		12/02/04 1502	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	136983		12/02/04 1502	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	136983		12/02/04 1502	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	136983		12/02/04 1502	bjt

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/13/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-246-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-2
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1810	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1810	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1810	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1810	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1810	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/13/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L12mw-246-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-2
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

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 1810	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1810	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-246-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-2
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	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	136926		12/06/04 1238	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136926		12/06/04 1238	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136926		12/06/04 1238	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136926		12/06/04 1238	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.5	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	4-Chloroaniline, Low Level Water	9.8	U	*	2.7	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136926		12/06/04 1238	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136926		12/06/04 1238	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAP T4 AGDS

ATTN: Eric Ellis

Customer Sample ID: L12mw-246-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-2
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136926		12/06/04 1238	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	136926		12/06/04 1238	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	136926		12/06/04 1238	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	136926		12/06/04 1238	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136926		12/06/04 1238	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	136926		12/06/04 1238	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	136926		12/06/04 1238	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136926		12/06/04 1238	dpk

* In Description = Dry Wgt.

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Job Number: 232296		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L12mw-246-GW Date Sampled.....: 11/29/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232296-2 Date Received.....: 11/30/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	136926		12/06/04 1238	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136926		12/06/04 1238	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	136926		12/06/04 1238	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	136926		12/06/04 1238	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	136926		12/06/04 1238	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136926		12/06/04 1238	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	136926		12/06/04 1238	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136926		12/06/04 1238	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	136926		12/06/04 1238	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232296

Date: 12/09/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L12mw-246-GW
 Date Sampled.....: 11/29/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232296-2
 Date Received.....: 11/30/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HNX	0.43	U		0.095	0.43	1.00000	ug/L	136608		12/01/04 0219	san
	RDX	0.28	U		0.090	0.28	1.00000	ug/L	136608		12/01/04 0219	san
	1,3,5-Trinitrobenzene	0.28	U		0.081	0.28	1.00000	ug/L	136608		12/01/04 0219	san
	1,3-Dinitrobenzene	0.28	U		0.077	0.28	1.00000	ug/L	136608		12/01/04 0219	san
	Nitrobenzene	0.22	U		0.062	0.22	1.00000	ug/L	136608		12/01/04 0219	san
	2,4,6-TNT	0.35	U	*	0.11	0.35	1.00000	ug/L	136608		12/01/04 0219	san
	Tetryl	1.1	U		0.23	1.1	1.00000	ug/L	136608		12/01/04 0219	san
	2,4-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	136608		12/01/04 0219	san
	2,6-Dinitrotoluene	0.60	U		0.20	0.60	1.00000	ug/L	136608		12/01/04 0219	san
	2-Amino-4,6-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	136608		12/01/04 0219	san
	4-Amino-2,6-Dinitrotoluene	0.46	U		0.16	0.46	1.00000	ug/L	136608		12/01/04 0219	san
	2-Nitrotoluene	0.43	U		0.13	0.43	1.00000	ug/L	136608		12/01/04 0219	san
	4-Nitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136608		12/01/04 0219	san
3-Nitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136608		12/01/04 0219	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.4	U		0.21	1.4	1.00000	ug/L	136609		12/02/04 1444	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: L12mw-246-GW

Trace Level Organic Compounds

Lot-Sample #...: G4K300238-002 Work Order #...: GX0FJ1AC Matrix.....: WATER
Date Sampled...: 11/29/04 09:45 Date Received...: 11/30/04
Prep Date.....: 12/08/04 Analysis Date...: 12/08/04
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: L12mw-246-GW

General Chemistry

Lot-Sample #...: G4K300238-002
Date Sampled...: 11/29/04

Work Order #...: GX0FJ
Date Received...: 11/30/04

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	12/02-12/04/04	4336502
		MDL.....: 0.12				

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LABORATORY TEST RESULTS

Job Number: 233502 Date: 01/26/2005

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AGCS

Customer Sample ID: B12mw-010-GW Laboratory Sample ID: 233502-2
 Date Sampled.....: 01/14/2005 Date Received.....: 01/15/2005
 Time Sampled.....: 10:00 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	139858		01/19/05 1658	daj
7060A	Arsenic (GFAA) Arsenic	2.2			0.51	2.0	1	ug/L	140084		01/20/05 1323	daj
7421	Lead (GFAA) Lead	2.7		B	0.79	3.0	1	ug/L	140165		01/20/05 1520	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	139832		01/19/05 1623	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	139868		01/19/05 1459	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	2600			24	150	1	ug/L	139815		01/19/05 1741	tds
	Barium	24			1.3	10	1	ug/L	139815		01/19/05 1741	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	139815		01/19/05 1741	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	139815		01/19/05 1741	tds
	Calcium	4100			9.5	100	1	ug/L	139815		01/19/05 1741	tds
	Chromium	4.8		B	1.1	10	1	ug/L	139815		01/19/05 1741	tds
	Cobalt	1.4		B	0.80	5.0	1	ug/L	139815		01/19/05 1741	tds
	Copper	2.7		B	2.2	10	1	ug/L	139815		01/19/05 1741	tds
	Iron	4400			38	120	1	ug/L	139815		01/19/05 1741	tds
	Magnesium	4800			8.1	100	1	ug/L	139815		01/19/05 1741	tds
	Manganese	230			0.41	10	1	ug/L	139815		01/19/05 1741	tds
	Nickel	26			1.0	10	1	ug/L	139815		01/19/05 1741	tds
	Potassium	1300			66	500	1	ug/L	139815		01/19/05 1741	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233502

Date: 01/26/2005

CUSTOMER: KKM Engineers, Inc.

PROJECT: USACE RAMP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: B12mw-010-GW
 Date Sampled.....: 01/14/2005
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233502-2
 Date Received.....: 01/15/2005
 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	139815		01/19/05 1741	tds
	Silver	10		U	0.72	10	1	ug/L	139815		01/19/05 1741	tds
	Sodium	6300			490	1500	1	ug/L	139927		01/20/05 1611	tds
	Vanadium	3.7		B	1.0	10	1	ug/L	139815		01/19/05 1741	tds
	Zinc	110			1.6	30	1	ug/L	139815		01/19/05 1741	tds

* In Description = Dry Wgt.

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Job Number: 233502		LABORATORY TEST RESULTS							Date: 01/27/2005			
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: B12mw-010-GW Date Sampled.....: 01/14/2005 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 233502-2 Date Received.....: 01/15/2005 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	0.16	U		0.051	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	beta-BHC	0.11	U		0.030	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	delta-BHC	0.11	U		0.027	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	gamma-BHC (Lindane)	0.16	U		0.046	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	Heptachlor	0.16	U		0.045	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	Aldrin	0.11	U		0.030	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	Heptachlor epoxide	0.16	U		0.039	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	Endosulfan I	0.11	U		0.023	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	Dieldrin	0.11	U		0.020	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	4,4'-DDE	0.11	U		0.025	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	Endrin	0.11	U		0.018	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	Endosulfan II	0.16	U		0.046	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	4,4'-DDD	0.12	U		0.039	0.12	1.00000	ug/L	140481		01/27/05 0702	kdl
	Endosulfan sulfate	0.16	U		0.048	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	4,4'-DDT	0.16	U		0.053	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	Methoxychlor	0.65	U		0.18	0.65	1.00000	ug/L	140481		01/27/05 0702	kdl
	alpha-Chlordane	0.054	U		0.017	0.054	1.00000	ug/L	140481		01/27/05 0702	kdl
	gamma-Chlordane	0.11	U		0.018	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	Endrin aldehyde	0.16	U		0.038	0.16	1.00000	ug/L	140481		01/27/05 0702	kdl
	Endrin ketone	0.11	U		0.032	0.11	1.00000	ug/L	140481		01/27/05 0702	kdl
	Toxaphene	0.54	U		0.15	0.54	1.00000	ug/L	140481		01/27/05 0702	kdl

* In Description = Dry Wgt.

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Job Number: 233502		LABORATORY TEST RESULTS						Date: 01/27/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: ERIC ELLIS					
Customer Sample ID: 812mw-010-GW Date Sampled.....: 01/14/2005 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 233502-2 Date Received.....: 01/15/2005 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.65		U	0.20	0.65	1.00000	ug/L	140448		01/19/05 1756	bjt
	Aroclor 1221	1.4		U	0.46	1.4	1.00000	ug/L	140448		01/19/05 1756	bjt
	Aroclor 1232	1.4		U	0.38	1.4	1.00000	ug/L	140448		01/19/05 1756	bjt
	Aroclor 1242	1.4		U	0.47	1.4	1.00000	ug/L	140448		01/19/05 1756	bjt
	Aroclor 1248	1.6		U	0.52	1.6	1.00000	ug/L	140448		01/19/05 1756	bjt
	Aroclor 1254	1.4		U	0.38	1.4	1.00000	ug/L	140448		01/19/05 1756	bjt
	Aroclor 1260	0.65		U	0.18	0.65	1.00000	ug/L	140448		01/19/05 1756	bjt

* In Description = Dry Wgt.

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Job Number: 233502		LABORATORY TEST RESULTS						Date: 01/20/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: B12MW-010-GW Date Sampled.....: 01/14/2005 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 233502-2 Date Received.....: 01/15/2005 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	139628		01/17/05 2348	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Acetone	10	U	*	1.8	10	1.00000	ug/L	139628		01/17/05 2348	jdj
	Methylene chloride	1.2	J		0.35	1.5	1.00000	ug/L	139628		01/17/05 2348	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	2-Butanone (MEK)	10	U	*	1.2	10	1.00000	ug/L	139628		01/17/05 2348	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	4-Methyl-2-pentanone (MIBK)	10	U	*	0.65	10	1.00000	ug/L	139628		01/17/05 2348	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2348	jdj
	2-Hexanone	10	U	*	0.53	10	1.00000	ug/L	139628		01/17/05 2348	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233502 Date: 01/20/2005

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

Customer Sample ID: B12mw-010-GW
 Date Sampled.....: 01/14/2005
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233502-2
 Date Received.....: 01/15/2005
 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	139628		01/17/05 2348	jdn
	1,2-Dibromoethane (EDB)	1.0	U	*	0.13	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	139628		01/17/05 2348	jdn

* In Description = Dry Wgt.

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Job Number: 233502		LABORATORY TEST RESULTS						Date: 01/25/2005			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: B12mw-010-GW Date Sampled.....: 01/14/2005 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 233502-2 Date Received.....: 01/15/2005 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	5.0	U	0.35	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U	0.30	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U	0.43	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U	0.33	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U	0.35	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Benzyl alcohol, Low Level Water	20	U	2.2	20	1.00000	ug/L	140218		01/20/05 1500	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U	0.28	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U	0.081	0.50	1.00000	ug/L	140218		01/20/05 1500	dpk
	Hexachloroethane, Low Level Water	5.0	U	0.61	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U	0.10	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2-Chlorophenol, Low Level Water	5.0	U	0.12	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Nitrobenzene, Low Level Water	1.0	U	0.16	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U	0.31	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U	0.34	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Benzoic acid, Low Level Water	20	U	3.0	20	1.00000	ug/L	140218		01/20/05 1500	dpk
	Isophorone, Low Level Water	2.0	U	0.26	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,4-Dimethylphenol, Low Level Water	10	U	1.3	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U	0.64	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Naphthalene, Low Level Water	1.0	U	0.16	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,4-Dichlorophenol, Low Level Water	10	U	0.91	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	4-Chloroaniline, Low Level Water	10	U	2.8	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U	0.21	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U	1.4	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U *	0.65	20	1.00000	ug/L	140218		01/20/05 1500	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U	0.13	0.50	1.00000	ug/L	140218		01/20/05 1500	dpk
	2-Nitroaniline, Low Level Water	5.0	U	0.22	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U *	0.26	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk

* In Description = Dry Wgt.

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Job Number: 233502		LABORATORY TEST RESULTS						Date: 01/25/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: B12mw-010-GW Date Sampled.....: 01/14/2005 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 233502-2 Date Received.....: 01/15/2005 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	10	U		2.4	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	140218		01/20/05 1500	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	140218		01/20/05 1500	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	140218		01/20/05 1500	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	140218		01/20/05 1500	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	140218		01/20/05 1500	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	140218		01/20/05 1500	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	140218		01/20/05 1500	dpk

* In Description = Dry Wgt.

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Job Number: 233502		LABORATORY TEST RESULTS					Date: 01/25/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: B12MW-010-GW			Laboratory Sample ID: 233502-2									
Date Sampled.....: 01/14/2005			Date Received.....: 01/15/2005									
Time Sampled.....: 10:00			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	5.0	U		0.72	5.0	1.00000	ug/L	140218		01/20/05 1500	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	140218		01/20/05 1500	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	140218		01/20/05 1500	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	140218		01/20/05 1500	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	140218		01/20/05 1500	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	140218		01/20/05 1500	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	140218		01/20/05 1500	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	140218		01/20/05 1500	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	140218		01/20/05 1500	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233502

Date: 01/27/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: B12mw-010-GW
 Date Sampled.....: 01/14/2005
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 233502-2
 Date Received.....: 01/15/2005
 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	0.33	U		0.071	0.33	1.00000	ug/L	140396		01/18/05 0158	san
	RDX	0.21	U		0.067	0.21	1.00000	ug/L	140396		01/18/05 0158	san
	1,3,5-Trinitrobenzene	0.21	U		0.061	0.21	1.00000	ug/L	140396		01/18/05 0158	san
	1,3-Dinitrobenzene	0.21	U		0.058	0.21	1.00000	ug/L	140396		01/18/05 0158	san
	Nitrobenzene	0.17	U		0.046	0.17	1.00000	ug/L	140396		01/18/05 0158	san
	2,4,6-TNT	0.26	U		0.082	0.26	1.00000	ug/L	140396		01/18/05 0158	san
	Tetryl	0.82	U		0.17	0.82	1.00000	ug/L	140396		01/18/05 0158	san
	2,4-Dinitrotoluene	0.38	U		0.13	0.38	1.00000	ug/L	140396		01/18/05 0158	san
	2,6-Dinitrotoluene	0.45	U		0.15	0.45	1.00000	ug/L	140396		01/18/05 0158	san
	2-Amino-4,6-Dinitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	140396		01/18/05 0158	san
	4-Amino-2,6-Dinitrotoluene	0.35	U		0.12	0.35	1.00000	ug/L	140396		01/18/05 0158	san
	2-Nitrotoluene	0.33	U		0.098	0.33	1.00000	ug/L	140396		01/18/05 0158	san
	4-Nitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	140396		01/18/05 0158	san
	3-Nitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	140396		01/18/05 0158	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.1	U	*	0.16	1.1	1.00000	ug/L	140352		01/26/05 0603	san

* In Description = Dry Wgt.

Page 3

STL CHICAGO

Client Sample ID: B12mw-010-GW

Trace Level Organic Compounds

Lot-Sample #...: G5A150179-001 Work Order #...: G2NV81AC Matrix.....: WATER
Date Sampled...: 01/14/05 10:00 Date Received...: 01/15/05
Prep Date.....: 01/17/05 Analysis Date...: 01/19/05
Prep Batch #...: 5017486
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: B12mw-010-GW

General Chemistry

Lot-Sample #...: G5A150179-001
Date Sampled...: 01/14/05

Work Order #...: G2NV8
Date Received...: 01/15/05

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	0.13 B,J	0.50	mg/L	MCAWW 353.2	01/17-01/18/05	5017497
		MDL.....: 0.12				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USADE RWAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: B12mw-011-GW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-13 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/14/04 0348	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1221	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137522		12/17/04 0652	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137109		12/14/04 1253	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1536	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	38		B	24	150	1	ug/L	138130		12/27/04 1405	lmr
	Barium	2.1		B	1.3	10	1	ug/L	138130		12/27/04 1405	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1405	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1405	lmr
	Calcium	12000		U	9.5	100	1	ug/L	138130		12/27/04 1405	lmr
	Chromium	10		U	1.1	10	1	ug/L	138130		12/27/04 1405	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1405	lmr
	Copper	10		U	2.2	10	1	ug/L	138130		12/27/04 1405	lmr
	Iron	120		U	38	120	1	ug/L	138130		12/27/04 1405	lmr
	Magnesium	8800		U	8.1	100	1	ug/L	138130		12/27/04 1405	lmr
	Manganese	46		U	0.41	10	1	ug/L	138130		12/27/04 1405	lmr
	Nickel	10		U	1.0	10	1	ug/L	138130		12/27/04 1405	lmr
	Potassium	1600		U	66	500	1	ug/L	138130		12/27/04 1405	lmr

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS					Date: 12/28/2004					
CUSTOMER: MKH Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: B12mw-011-GW			Laboratory Sample ID: 232642-13									
Date Sampled.....: 12/09/2004			Date Received.....: 12/10/2004									
Time Sampled.....: 14:00			Time Received.....: 10:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	3.7	B		3.0	15	1	ug/L	138130		12/27/04 1405	Lmr
	Silver	10	U		0.72	10	1	ug/L	138130		12/27/04 1405	Lmr
	Sodium	5500			490	1500	1	ug/L	138130		12/27/04 1405	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	138130		12/27/04 1405	Lmr
	Zinc	5.1	B		1.6	30	1	ug/L	138130		12/27/04 1405	Lmr

* In Description = Dry Wgt.

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STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: B12mw-011-GW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-13 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	Endrin	0.099	U	*	0.017	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	138023		12/15/04 2026	kdL
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	138023		12/15/04 2026	kdL
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	138023		12/15/04 2026	kdL
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	138023		12/15/04 2026	kdL
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	138023		12/15/04 2026	kdL
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	138023		12/15/04 2026	kdL

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: B12mw-011-GW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-13 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	138063		12/16/04 1545	pjg
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	138063		12/16/04 1545	pjg
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	138063		12/16/04 1545	pjg
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	138063		12/16/04 1545	pjg
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	138063		12/16/04 1545	pjg
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	138063		12/16/04 1545	pjg
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	138063		12/16/04 1545	pjg

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: B12mw-011-GW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-13 Date Received.....: 12/10/2004 Time Received.....: 10:00									
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	137371		12/16/04 2205	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 2205	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 2205	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 2205	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 2205	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 2205	jdj

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE R/VAMP TA AODS				ATTN: Eric Elts					
Customer Sample ID: B12mw-011-GW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-13 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	1,2-Dibromoethane (ED8)	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	m,p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	137371		12/16/04 2205	jdj	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-GW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-13
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	138078		12/20/04 0701	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.080	0.50	1.00000	ug/L	138078		12/20/04 0701	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.60	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.099	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Nitrobenzene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	138078		12/20/04 0701	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,4-Dimethylphenol, Low Level Water	9.9	U		1.3	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.63	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Naphthalene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,4-Dichlorophenol, Low Level Water	9.9	U		0.90	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	4-Chloroaniline, Low Level Water	9.9	U		2.8	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.9	U		1.4	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	138078		12/20/04 0701	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	138078		12/20/04 0701	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-GW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-13
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.9	U		2.4	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	138078		12/20/04 0701	dpk
	2-Nitrophenol, Low Level Water	9.9	U		0.81	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	3-Nitroaniline, Low Level Water	9.9	U		2.1	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	138078		12/20/04 0701	dpk
	Acenaphthylene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	2,4-Dinitrotoluene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	Acenaphthene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	138078		12/20/04 0701	dpk
	Fluorene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	4-Nitroaniline, Low Level Water	9.9	U		2.3	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.096	0.50	1.00000	ug/L	138078		12/20/04 0701	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.74	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Pentachlorophenol, Low Level Water	9.9	U		1.7	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	138078		12/20/04 0701	dpk
	Phenanthrene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	Anthracene, Low Level Water	0.99	U		0.15	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	DI-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Fluoranthene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	Pyrene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	138078		12/20/04 0701	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	138078		12/20/04 0701	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-GW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-13
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.71	5.0	1.00000	ug/L	138078		12/20/04 0701	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U	B	3.9	15	1.00000	ug/L	138078		12/20/04 0701	dpk
	Di-n-octyl phthalate, Low Level Water	9.9	U		2.5	9.9	1.00000	ug/L	138078		12/20/04 0701	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.066	0.40	1.00000	ug/L	138078		12/20/04 0701	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.071	0.40	1.00000	ug/L	138078		12/20/04 0701	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.083	0.40	1.00000	ug/L	138078		12/20/04 0701	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	138078		12/20/04 0701	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	138078		12/20/04 0701	dpk
	Benzo(ghi)perylene, Low Level Water	0.99	U		0.19	0.99	1.00000	ug/L	138078		12/20/04 0701	dpk

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: B12mw-011-GW Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-13 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx	0.39	U		0.085	0.39	1.00000	ug/L	137969		12/17/04 1030	san
	RDX	0.25	U		0.080	0.25	1.00000	ug/L	137969		12/17/04 1030	san
	1,3,5-Trinitrobenzene	0.25	U		0.072	0.25	1.00000	ug/L	137969		12/17/04 1030	san
	1,3-Dinitrobenzene	0.25	U		0.069	0.25	1.00000	ug/L	137969		12/17/04 1030	san
	Nitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137969		12/17/04 1030	san
	2,4,6-TNT	0.31	U		0.098	0.31	1.00000	ug/L	137969		12/17/04 1030	san
	Tetryl	0.98	U		0.20	0.98	1.00000	ug/L	137969		12/17/04 1030	san
	2,4-Dinitrotoluene	0.45	U		0.15	0.45	1.00000	ug/L	137969		12/17/04 1030	san
	2,6-Dinitrotoluene	0.54	U		0.18	0.54	1.00000	ug/L	137969		12/17/04 1030	san
	2-Amino-4,6-Dinitrotoluene	0.45	U		0.15	0.45	1.00000	ug/L	137969		12/17/04 1030	san
	4-Amino-2,6-Dinitrotoluene	0.41	U		0.14	0.41	1.00000	ug/L	137969		12/17/04 1030	san
	2-Nitrotoluene	0.39	U		0.12	0.39	1.00000	ug/L	137969		12/17/04 1030	san
4-Nitrotoluene	0.39	U		0.12	0.39	1.00000	ug/L	137969		12/17/04 1030	san	
3-Nitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137969		12/17/04 1030	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.2	U		0.19	1.2	1.00000	ug/L	137990		12/21/04 0700	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: B12mw-011-GW

Trace Level Organic Compounds

Lot-Sample #...: G4L100365-005 Work Order #...: G0RXJ1AC
Date Sampled...: 12/09/04 14:00 Date Received...: 12/10/04
Prep Date.....: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL

Matrix.....: WATER

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: B12mw-011-GW

General Chemistry

Lot-Sample #...: G4L100365-005 Work Order #...: G0RXJ
Date Sampled...: 12/09/04 14:00 Date Received...: 12/10/04

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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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-14
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	QT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U	2.5	7.5	1	ug/L	137013		12/14/04 0400	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U	0.51	2.0	1	ug/L	137101		12/14/04 1233	daj
7421	Lead (GFAA) Lead	3.0	U	0.79	3.0	1	ug/L	137522		12/17/04 0705	daj
7841	Thallium (GFAA) Thallium	4.0	U	1.3	4.0	1	ug/L	137109		12/14/04 1306	daj
7470A	Mercury (CVAA) Mercury	0.20	U	0.063	0.20	1	ug/L	137144		12/14/04 1538	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum	31	B	24	150	1	ug/L	138130		12/27/04 1412	Lmr
	Barium	2.1	B	1.3	10	1	ug/L	138130		12/27/04 1412	Lmr
	Beryllium	2.0	U	0.25	2.0	1	ug/L	138130		12/27/04 1412	Lmr
	Cadmium	2.0	U	0.25	2.0	1	ug/L	138130		12/27/04 1412	Lmr
	Calcium	12000		9.5	100	1	ug/L	138130		12/27/04 1412	Lmr
	Chromium	10	U	1.1	10	1	ug/L	138130		12/27/04 1412	Lmr
	Cobalt	5.0	U	0.80	5.0	1	ug/L	138130		12/27/04 1412	Lmr
	Copper	10	U	2.2	10	1	ug/L	138130		12/27/04 1412	Lmr
	Iron	120	U	38	120	1	ug/L	138130		12/27/04 1412	Lmr
	Magnesium	8800		8.1	100	1	ug/L	138130		12/27/04 1412	Lmr
	Manganese	46		0.41	10	1	ug/L	138130		12/27/04 1412	Lmr
	Nickel	10	U	1.0	10	1	ug/L	138130		12/27/04 1412	Lmr
	Potassium	1600		66	500	1	ug/L	138130		12/27/04 1412	Lmr

* In Description = Dry Wgt.

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Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: B12mw-011-DUP Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-14 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	PDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	138130		12/27/04 1412	lmr
	Silver	0.77	B		0.72	10	1	ug/L	138130		12/27/04 1412	lmr
	Sodium	5600			490	1500	1	ug/L	138130		12/27/04 1412	lmr
	Vanadium	10	U		1.0	10	1	ug/L	138130		12/27/04 1412	lmr
	Zinc	6.1	B		1.6	30	1	ug/L	138130		12/27/04 1412	lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232642				Date: 12/27/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USAGE RVAMP 14 AOCs				ATTN: Eric Elits				
Customer Sample ID: B12mw-011-DUP Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water						Laboratory Sample ID: 232642-14 Date Received.....: 12/10/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	Endrin	0.095	U	*	0.016	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	138023		12/15/04 2051	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	138023		12/15/04 2051	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138023		12/15/04 2051	kdL
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	138023		12/15/04 2051	kdL
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	138023		12/15/04 2051	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138023		12/15/04 2051	kdL

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 232642				Date: 12/27/2004								
CUSTOMER: MCH Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: B12mw-011-DUP Date Sampled.....: 12/09/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water						Laboratory Sample ID: 232642-14 Date Received.....: 12/10/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57	U		0.17	0.57	1.00000	ug/L	138063		12/16/04 1610	pjg
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	138063		12/16/04 1610	pjg
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	138063		12/16/04 1610	pjg
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	138063		12/16/04 1610	pjg
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	138063		12/16/04 1610	pjg
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	138063		12/16/04 1610	pjg
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	138063		12/16/04 1610	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE IWAAP 14-AOCS

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-14
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 2229	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 2229	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 2229	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,2-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 2229	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 2229	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-14
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	RT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 2229	jdj

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-14
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	138078		12/20/04 0724	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.081	0.50	1.00000	ug/L	138078		12/20/04 0724	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.61	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.10	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	138078		12/20/04 0724	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.3	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.64	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Naphthalene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.91	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	4-Chloroaniline, Low Level Water	10	U		2.8	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.65	20	1.00000	ug/L	138078		12/20/04 0724	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	138078		12/20/04 0724	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-14
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U		2.4	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	138078		12/20/04 0724	dpk
	2-Nitrophenol, Low Level Water	10	U		0.82	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	3-Nitroaniline, Low Level Water	10	U		2.1	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	138078		12/20/04 0724	dpk
	Acenaphthylene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Acenaphthene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	138078		12/20/04 0724	dpk
	Fluorene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	4-Nitroaniline, Low Level Water	10	U		2.3	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.097	0.50	1.00000	ug/L	138078		12/20/04 0724	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.75	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Pentachlorophenol, Low Level Water	10	U		1.7	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	138078		12/20/04 0724	dpk
	Phenanthrene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Anthracene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Fluoranthene, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Pyrene, Low Level Water	1.0	U		0.12	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	138078		12/20/04 0724	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	138078		12/20/04 0724	dpk

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: B12mw-011-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-14
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.0	U		0.72	5.0	1.00000	ug/L	138078		12/20/04 0724	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U	B	3.9	15	1.00000	ug/L	138078		12/20/04 0724	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.5	10	1.00000	ug/L	138078		12/20/04 0724	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.067	0.40	1.00000	ug/L	138078		12/20/04 0724	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.072	0.40	1.00000	ug/L	138078		12/20/04 0724	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.084	0.40	1.00000	ug/L	138078		12/20/04 0724	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.086	0.40	1.00000	ug/L	138078		12/20/04 0724	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	138078		12/20/04 0724	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.19	1.0	1.00000	ug/L	138078		12/20/04 0724	dpk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE: RVAAP 14 AOCs

ATTN: ERIC ELLIS

Customer Sample ID: B12mw-011-DUP
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-14
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.38	U		0.084	0.38	1.00000	ug/L	137969		12/17/04 1103	san
	RDX	0.25	U		0.079	0.25	1.00000	ug/L	137969		12/17/04 1103	san
	1,3,5-Trinitrobenzene	0.25	U		0.072	0.25	1.00000	ug/L	137969		12/17/04 1103	san
	1,3-Dinitrobenzene	0.25	U		0.068	0.25	1.00000	ug/L	137969		12/17/04 1103	san
	Nitrobenzene	0.20	U		0.054	0.20	1.00000	ug/L	137969		12/17/04 1103	san
	2,4,6-TNT	0.31	U		0.096	0.31	1.00000	ug/L	137969		12/17/04 1103	san
	Tetryl	0.96	U		0.20	0.96	1.00000	ug/L	137969		12/17/04 1103	san
	2,4-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	137969		12/17/04 1103	san
	2,6-Dinitrotoluene	0.53	U		0.18	0.53	1.00000	ug/L	137969		12/17/04 1103	san
	2-Amino-4,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	137969		12/17/04 1103	san
	4-Amino-2,6-Dinitrotoluene	0.41	U		0.14	0.41	1.00000	ug/L	137969		12/17/04 1103	san
	2-Nitrotoluene	0.38	U		0.11	0.38	1.00000	ug/L	137969		12/17/04 1103	san
	4-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	137969		12/17/04 1103	san
3-Nitrotoluene	0.38	U		0.12	0.38	1.00000	ug/L	137969		12/17/04 1103	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.2	U		0.18	1.2	1.00000	ug/L	137990		12/21/04 0736	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: B12mw-011-DUP

Trace Level Organic Compounds

Lot-Sample #...: G4L100365-004 Work Order #...: G0RXH1AC Matrix.....: WATER
Date Sampled...: 12/09/04 14:00 Date Received...: 12/10/04
Prep Date.....: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: B12mw-011-DUP

General Chemistry

Lot-Sample #...: G4L100365-004 Work Order #...: GORXH Matrix.....: WATER
Date Sampled...: 12/09/04 14:00 Date Received..: 12/10/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	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: 233624	LABORATORY TEST RESULTS	Date: 02/02/2005
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CUSTOMER: MKM Engineers, Inc.	PROJECT: USACE RVAAP 14 ACOS	ATTN: Eric Ellis
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Customer Sample ID: B12mw-012-GW
 Date Sampled.....: 01/19/2005
 Time Sampled.....: 14:30
 Sample Matrix.....: Water

Laboratory Sample ID: 233624-4
 Date Received.....: 01/20/2005
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	140534		01/27/05 1738	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	140662		01/28/05 1232	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	140683		01/28/05 1818	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	140464		01/26/05 2259	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	140548		01/27/05 1624	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	140536		01/28/05 0125	tds
	Barium	35			1.3	10	1	ug/L	140536		01/28/05 0125	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	140536		01/28/05 0125	tds
	Cadmium	0.25	B		0.25	2.0	1	ug/L	140536		01/28/05 0125	tds
	Calcium	56000			9.5	100	1	ug/L	140536		01/28/05 0125	tds
	Chromium	10	U		1.1	10	1	ug/L	140536		01/28/05 0125	tds
	Cobalt	9.4			0.80	5.0	1	ug/L	140536		01/28/05 0125	tds
	Copper	10	U		2.2	10	1	ug/L	140536		01/28/05 0125	tds
	Iron	120	U		38	120	1	ug/L	140536		01/28/05 0125	tds
	Magnesium	37000			8.1	100	1	ug/L	140536		01/28/05 0125	tds
	Manganese	1100			0.41	10	1	ug/L	140536		01/28/05 0125	tds
	Nickel	51			1.0	10	1	ug/L	140536		01/28/05 0125	tds
	Potassium	4000			66	500	1	ug/L	140536		01/28/05 0125	tds

* In Description = Dry Wgt.