

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	135886		12/01/04 2017	daj
7060A	Arsenic (GFAA) Arsenic	60			2.6	10	5	ug/L	136355		12/06/04 1354	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	135793		11/30/04 1631	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	135835		11/30/04 1700	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150	U		24	150	1	ug/L	136189		12/04/04 0057	tds
	Barium	18			1.3	10	1	ug/L	136189		12/04/04 0057	tds
	Beryllium	2.0	U		0.25	2.0	1	ug/L	136189		12/04/04 0057	tds
	Cadmium	0.41	B		0.25	2.0	1	ug/L	136189		12/04/04 0057	tds
	Calcium	14000			9.5	100	1	ug/L	136189		12/04/04 0057	tds
	Chromium	3.3	B		1.1	10	1	ug/L	136189		12/04/04 0057	tds
	Cobalt	5.0	U		0.80	5.0	1	ug/L	136189		12/04/04 0057	tds
	Copper	7.2	B		2.2	10	1	ug/L	136189		12/04/04 0057	tds
	Iron	280			38	120	1	ug/L	136189		12/04/04 0057	tds
	Magnesium	910			8.1	100	1	ug/L	136189		12/04/04 0057	tds
	Manganese	91			0.41	10	1	ug/L	136189		12/04/04 0057	tds
	Nickel	10	U		1.0	10	1	ug/L	136189		12/04/04 0057	tds
	Lead	600			2.5	9.0	1	ug/L	136189		12/04/04 0057	tds
	Potassium	4500			66	500	1	ug/L	136189		12/04/04 0057	tds
	Selenium	15	U		3.0	15	1	ug/L	136189		12/04/04 0057	tds
	Silver	10	U		0.72	10	1	ug/L	136189		12/04/04 0057	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium	690	B		490	1500	1	ug/L	136189		12/04/04 0057	tds
	Vanadium	10	U		1.0	10	1	ug/L	136189		12/04/04 0057	tds
	Zinc	22	B		1.6	30	1	ug/L	136189		12/04/04 0057	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: Z32251								Date:12/08/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RMAAP 14 ACES				ATTN: Eric Ellis				
Customer Sample ID: L10sw-020-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water						Laboratory Sample ID: Z32251-8 Date Received.....: 11/24/2004 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136513		11/30/04 2315	kdL
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	136513		11/30/04 2315	kdL
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	136513		11/30/04 2315	kdL
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	136513		11/30/04 2315	kdL
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	136513		11/30/04 2315	kdL
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	136513		11/30/04 2315	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MKI Engineers, Inc.			PROJECT: USACE RVAAP IA ADGS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-020-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232251-8 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59		U	0.18	0.59	1.00000	ug/L	136487		11/30/04 1925	bjt
	Aroclor 1221	1.3		U	0.41	1.3	1.00000	ug/L	136487		11/30/04 1925	bjt
	Aroclor 1232	1.3		U	0.34	1.3	1.00000	ug/L	136487		11/30/04 1925	bjt
	Aroclor 1242	1.3		U	0.42	1.3	1.00000	ug/L	136487		11/30/04 1925	bjt
	Aroclor 1248	1.5		U	0.47	1.5	1.00000	ug/L	136487		11/30/04 1925	bjt
	Aroclor 1254	1.3		U	0.34	1.3	1.00000	ug/L	136487		11/30/04 1925	bjt
	Aroclor 1260	0.59		U	0.17	0.59	1.00000	ug/L	136487		11/30/04 1925	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: L10SW-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0155	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0155	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0155	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0155	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0155	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0		U	0.060	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,2-Dibromoethane (EDB)	1.0		U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Chlorobenzene	1.0		U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Ethylbenzene	1.0		U	0.070	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	m,p-Xylenes	2.0		U	0.18	2.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	o-Xylene	1.0		U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Styrene	1.0		U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Bromoform	1.0		U	0.11	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,1,2,2-Tetrachloroethane	1.0		U	0.090	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	1,2-Dichloroethane (total)	1.0		U	0.23	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj
	Xylenes (total)	1.0		U	0.28	1.0	1.00000	ug/L	135800		12/01/04 0155	jdj

* In Description = Dry Wgt.

Page 17

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	5.6	U		0.39	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	Phenol, Low Level Water	5.2	U		0.36	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.2	U		0.33	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.1	U		0.31	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	1,3-Dichlorobenzene, Low Level Water	2.2	U		0.48	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	1,3-Dichlorobenzene, Low Level Water	2.1	U		0.45	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	1,4-Dichlorobenzene, Low Level Water	2.2	U		0.37	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	1,4-Dichlorobenzene, Low Level Water	2.1	U		0.34	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	1,2-Dichlorobenzene, Low Level Water	2.2	U		0.39	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	1,2-Dichlorobenzene, Low Level Water	2.1	U		0.36	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Benzyl alcohol, Low Level Water	22	U		2.4	22	1.00000	ug/L	136555		12/03/04 2345	dpk
	Benzyl alcohol, Low Level Water	21	U		2.3	21	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.2	U		0.29	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.1	U		0.27	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.2	U		0.31	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.1	U	*	0.29	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.56	U		0.090	0.56	1.00000	ug/L	136555		12/03/04 2345	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.52	U		0.084	0.52	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Hexachloroethane, Low Level Water	5.6	U	*	0.68	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	Hexachloroethane, Low Level Water	5.2	U	*	0.64	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.2	U		0.11	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.1	U		0.10	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2-Chlorophenol, Low Level Water	5.6	U		0.13	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	2-Chlorophenol, Low Level Water	5.2	U		0.13	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Nitrobenzene, Low Level Water	1.1	U		0.18	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Nitrobenzene, Low Level Water	1.0	U		0.17	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.2	U		0.34	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.1	U		0.32	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,4-Trichlorobenzene, Low Level Water	2.2	U		0.38	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.1	U		0.35	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Benzoic acid, Low Level Water	22	U		3.3	22	1.00000	ug/L	136555		12/03/04 2345	dpk
	Benzoic acid, Low Level Water	21	U		3.1	21	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Isophorone, Low Level Water	2.2	U		0.29	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	Isophorone, Low Level Water	2.1	U		0.27	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,4-Dimethylphenol, Low Level Water	11	U		1.4	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,4-Dimethylphenol, Low Level Water	10	U		1.4	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Hexachlorobutadiene, Low Level Water	5.6	U		0.71	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	Hexachlorobutadiene, Low Level Water	5.2	U		0.67	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Naphthalene, Low Level Water	1.1	U		0.18	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Naphthalene, Low Level Water	1.0	U		0.17	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,4-Dichlorophenol, Low Level Water	11	U		1.0	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,4-Dichlorophenol, Low Level Water	10	U		0.95	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4-Chloroaniline, Low Level Water	11	U		3.1	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	4-Chloroaniline, Low Level Water	10	U		2.9	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.6	U		0.23	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.2	U		0.22	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,4,5-Trichlorophenol, Low Level Water	11	U		1.6	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,4,5-Trichlorophenol, Low Level Water	10	U		1.5	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Hexachlorocyclopentadiene, Low Level Water	22	U	*	0.72	22	1.00000	ug/L	136555		12/03/04 2345	dpk
	Hexachlorocyclopentadiene, Low Level Water	21	U	*	0.68	21	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2-Methylnaphthalene, Low Level Water	0.56	U		0.14	0.56	1.00000	ug/L	136555		12/03/04 2345	dpk
	2-Methylnaphthalene, Low Level Water	0.52	U		0.14	0.52	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2-Nitroaniline, Low Level Water	5.6	U		0.24	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	2-Nitroaniline, Low Level Water	5.2	U		0.23	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2-Chloronaphthalene, Low Level Water	2.2	U		0.29	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	2-Chloronaphthalene, Low Level Water	2.1	U		0.27	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4-Chloro-3-methylphenol, Low Level Water	11	U		2.7	11	1.00000	ug/L	136555		12/03/04 2345	dpk

* In Description = Dry Wgt.

Page 21

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	10	U	2.5	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,6-Dinitrotoluene, Low Level Water	0.56	U	0.12	0.56	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,6-Dinitrotoluene, Low Level Water	0.52	U	0.11	0.52	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2-Nitrophenol, Low Level Water	11	U	0.91	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	2-Nitrophenol, Low Level Water	10	U	0.85	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	3-Nitroaniline, Low Level Water	11	U	2.3	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	3-Nitroaniline, Low Level Water	10	U	2.2	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Dimethyl phthalate, Low Level Water	2.2	U	0.23	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	Dimethyl phthalate, Low Level Water	2.1	U	0.22	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,4-Dinitrophenol, Low Level Water	22	U	3.7	22	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,4-Dinitrophenol, Low Level Water	21	U	3.4	21	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Acenaphthylene, Low Level Water	1.1	U	0.13	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Acenaphthylene, Low Level Water	1.0	U	0.13	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	2,4-Dinitrotoluene, Low Level Water	1.1	U	0.14	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	2,4-Dinitrotoluene, Low Level Water	1.0	U	0.14	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Acenaphthene, Low Level Water	1.1	U	0.13	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Acenaphthene, Low Level Water	1.0	U	0.13	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Dibenzofuran, Low Level Water	2.2	U	0.14	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	Dibenzofuran, Low Level Water	2.1	U	0.14	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4-Nitrophenol, Low Level Water	22	U	4.1	22	1.00000	ug/L	136555		12/03/04 2345	dpk
	4-Nitrophenol, Low Level Water	21	U	3.9	21	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Fluorene, Low Level Water	1.1	U	0.14	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Fluorene, Low Level Water	1.0	U	0.14	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4-Nitroaniline, Low Level Water	11	U	2.6	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	4-Nitroaniline, Low Level Water	10	U	2.4	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.6	U	0.21	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.2	U	0.20	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Hexachlorobenzene, Low Level Water	0.56	U	0.11	0.56	1.00000	ug/L	136555		12/03/04 2345	dpk
	Hexachlorobenzene, Low Level Water	0.52	U	0.10	0.52	1.00000	ug/L	136557	RE	12/07/04 1343	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOC5

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Diethyl phthalate, Low Level Water	2.2	U		0.17	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	Diethyl phthalate, Low Level Water	2.1	U		0.16	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.6	U		0.83	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.2	U		0.78	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Pentachlorophenol, Low Level Water	11	U		1.9	11	1.00000	ug/L	136555		12/03/04 2345	dpk
	Pentachlorophenol, Low Level Water	10	U		1.8	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.1	U		0.14	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	n-Nitrosodiphenylamine, Low Level Water	1.0	U		0.14	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	22	U		2.7	22	1.00000	ug/L	136555		12/03/04 2345	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	21	U		2.5	21	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Phenanthrene, Low Level Water	1.1	U		0.16	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Phenanthrene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Anthracene, Low Level Water	1.1	U		0.17	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Anthracene, Low Level Water	1.0	U		0.16	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Carbazole, Low Level Water	5.6	U		0.32	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	Carbazole, Low Level Water	5.2	U	*	0.30	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Di-n-butyl phthalate, Low Level Water	5.6	U		0.40	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk
	Di-n-butyl phthalate, Low Level Water	5.2	U		0.38	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Fluoranthene, Low Level Water	1.1	U		0.16	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Fluoranthene, Low Level Water	1.0	U		0.15	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Pyrene, Low Level Water	1.1	U		0.13	1.1	1.00000	ug/L	136555		12/03/04 2345	dpk
	Pyrene, Low Level Water	1.0	U		0.13	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Butyl benzyl phthalate, Low Level Water	2.2	U		0.43	2.2	1.00000	ug/L	136555		12/03/04 2345	dpk
	Butyl benzyl phthalate, Low Level Water	2.1	U		0.41	2.1	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Benzo(a)anthracene, Low Level Water	0.22	U		0.054	0.22	1.00000	ug/L	136555		12/03/04 2345	dpk
	Benzo(a)anthracene, Low Level Water	0.21	U		0.051	0.21	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Chrysene, Low Level Water	0.56	U		0.050	0.56	1.00000	ug/L	136555		12/03/04 2345	dpk
	Chrysene, Low Level Water	0.52	U		0.047	0.52	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	3,3-Dichlorobenzidine, Low Level Water	5.6	U		0.80	5.6	1.00000	ug/L	136555		12/03/04 2345	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	5.2	U		0.75	5.2	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	17	U		4.3	17	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	16	U		4.1	16	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Di-n-octyl phthalate, Low Level Water	11	U		2.8	11	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Di-n-octyl phthalate, Low Level Water	10	U		2.6	10	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Benzo(b)fluoranthene, Low Level Water	0.44	U		0.074	0.44	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Benzo(b)fluoranthene, Low Level Water	0.42	U		0.070	0.42	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Benzo(k)fluoranthene, Low Level Water	0.44	U		0.080	0.44	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Benzo(k)fluoranthene, Low Level Water	0.42	U		0.075	0.42	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Benzo(a)pyrene, Low Level Water	0.44	U		0.093	0.44	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Benzo(a)pyrene, Low Level Water	0.42	U		0.088	0.42	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.44	U		0.096	0.44	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.42	U		0.090	0.42	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.44	U		0.14	0.44	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.42	U		0.14	0.42	1.00000	ug/L	136557	RE	12/07/04 1343	dpk
	Benzo(ghi)perylene, Low Level Water	1.1	U		0.21	1.1	1.00000	ug/L	136555	RE	12/03/04 2345	dpk
	Benzo(ghi)perylene, Low Level Water	1.0	U		0.20	1.0	1.00000	ug/L	136557	RE	12/07/04 1343	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAMP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-020-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232251-8 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	136467		12/01/04 0026	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	136467		12/01/04 0026	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	136467		12/01/04 0026	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	136467		12/01/04 0026	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	136467		12/01/04 0026	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	136467		12/01/04 0026	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	136467		12/01/04 0026	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		12/01/04 0026	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136467		12/01/04 0026	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		12/01/04 0026	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	136467		12/01/04 0026	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	136467		12/01/04 0026	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		12/01/04 0026	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		12/01/04 0026	san

* In Description = Dry Wgt.

Page 8

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-020-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-8
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

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

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/14/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-021-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-9
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	135886		12/01/04 2029	daj
7060A	Arsenic (GFAA) Arsenic	120			5.1	20	10	ug/L	136355		12/06/04 1418	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	135793		11/30/04 1656	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	135835		11/30/04 1703	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	340			24	150	1	ug/L	136189		12/04/04 0127	tds
	Barium	14			1.3	10	1	ug/L	136189		12/04/04 0127	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	136189		12/04/04 0127	tds
	Cadmium	2.5			0.25	2.0	1	ug/L	136189		12/04/04 0127	tds
	Calcium	12000			9.5	100	1	ug/L	136189		12/04/04 0127	tds
	Chromium	35			1.1	10	1	ug/L	136189		12/04/04 0127	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	136189		12/04/04 0127	tds
	Copper	13			2.2	10	1	ug/L	136189		12/04/04 0127	tds
	Iron	1800			38	120	1	ug/L	136189		12/04/04 0127	tds
	Magnesium	1000			8.1	100	1	ug/L	136189		12/04/04 0127	tds
	Manganese	110			0.41	10	1	ug/L	136189		12/04/04 0127	tds
	Nickel	10		U	1.0	10	1	ug/L	136189		12/04/04 0127	tds
	Lead	3500			2.5	9.0	1	ug/L	136189		12/04/04 0127	tds
	Potassium	10000			66	500	1	ug/L	136189		12/04/04 0127	tds
	Selenium	15		U	3.0	15	1	ug/L	136189		12/04/04 0127	tds
	Silver	10		U	0.72	10	1	ug/L	136189		12/04/04 0127	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/14/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAMP 14 NOCS				ATTN: Eric Ellis					
Customer Sample ID: 110sw-021-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water			Laboratory Sample ID: 232251-9 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium	2000			490	1500	1	ug/L	136189		12/04/04 0127	tds
	Vanadium	10	U		1.0	10	1	ug/L	136189		12/04/04 0127	tds
	Zinc	850			1.6	30	1	ug/L	136189		12/04/04 0127	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RYANP 14 AOCs				ATTN: Eric Ellits				
Customer Sample ID: L10sw-021-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water				Laboratory Sample ID: 232251-9 Date Received.....: 11/24/2004 Time Received.....: 09:50								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	136513		11/30/04 2340	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	136513		11/30/04 2340	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	136513		11/30/04 2340	kdl
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	136513		11/30/04 2340	kdl
	Endrin ketone	0.097	U		0.028	0.097	1.00000	ug/L	136513		11/30/04 2340	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	136513		11/30/04 2340	kdl

* In Description = Dry Wgt.

Page 9

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS					Date: 12/08/2004					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-021-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water			Laboratory Sample ID: 232251-9 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	PDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58	U		0.17	0.58	1.00000	ug/L	136487		11/30/04 2001	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	136487		11/30/04 2001	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	136487		11/30/04 2001	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	136487		11/30/04 2001	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	136487		11/30/04 2001	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	136487		11/30/04 2001	bjt
	Aroclor 1260	0.58	U		0.17	0.58	1.00000	ug/L	136487		11/30/04 2001	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/07/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-021-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-9
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		12/01/04 0218	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		12/01/04 0218	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		12/01/04 0218	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		12/01/04 0218	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		12/01/04 0218	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/07/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis					
Customer Sample ID: L10sw-021-SW			Laboratory Sample ID: 232251-9								
Date Sampled.....: 11/23/2004			Date Received.....: 11/24/2004								
Time Sampled.....: 10:50			Time Received.....: 09:50								
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	HDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	135800		12/01/04 0218	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-021-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-9
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics										
	Phenol, Low Level Water	4.9	U	0.34	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U	0.29	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U	0.42	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U	0.32	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U	0.34	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Benzyl alcohol, Low Level Water	19	U	2.1	19	1.00000	ug/L	136555		12/04/04 0011	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U	0.27	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U	0.079	0.49	1.00000	ug/L	136555		12/04/04 0011	dpk
	Hexachloroethane, Low Level Water	4.9	U *	0.59	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U	0.097	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	2-Chlorophenol, Low Level Water	4.9	U	0.12	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Nitrobenzene, Low Level Water	0.97	U	0.16	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U	0.30	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U	0.33	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Benzoic acid, Low Level Water	19	U	2.9	19	1.00000	ug/L	136555		12/04/04 0011	dpk
	Isophorone, Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U	1.3	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U	0.62	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Naphthalene, Low Level Water	0.97	U	0.16	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U	0.88	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	4-Chloroaniline, Low Level Water	9.7	U	2.7	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U	0.20	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U	1.4	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U *	0.63	19	1.00000	ug/L	136555		12/04/04 0011	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U	0.13	0.49	1.00000	ug/L	136555		12/04/04 0011	dpk
	2-Nitroaniline, Low Level Water	4.9	U	0.21	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U	0.25	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-021-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-9
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136555		12/04/04 0011	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	136555		12/04/04 0011	dpk
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	136555		12/04/04 0011	dpk
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	136555		12/04/04 0011	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	136555		12/04/04 0011	dpk
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	136555		12/04/04 0011	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136555		12/04/04 0011	dpk

* In Description = Dry Wgt.

Page 26

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/08/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-021-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-9
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.70	4.9	1.00000	ug/L	136555		12/04/04 0011	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	30	U		3.8	15	1.00000	ug/L	136555		12/04/04 0011	dpk
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	136555		12/04/04 0011	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	136555		12/04/04 0011	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	136555		12/04/04 0011	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136555		12/04/04 0011	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	136555		12/04/04 0011	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136555		12/04/04 0011	dpk
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	136555		12/04/04 0011	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232251		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-021-SW Date Sampled.....: 11/23/2004 Time Sampled.....: 10:50 Sample Matrix.....: Water			Laboratory Sample ID: 232251-9 Date Received.....: 11/24/2004 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	136467		11/30/04 1438	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	136467		11/30/04 1438	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	136467		11/30/04 1438	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	136467		11/30/04 1438	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	136467		11/30/04 1438	san
	2,4,6-TMT	0.25	U		0.078	0.25	1.00000	ug/L	136467		11/30/04 1438	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	136467		11/30/04 1438	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		11/30/04 1438	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136467		11/30/04 1438	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136467		11/30/04 1438	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	136467		11/30/04 1438	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	136467		11/30/04 1438	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		11/30/04 1438	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136467		11/30/04 1438	san

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232251

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-021-SW
 Date Sampled.....: 11/23/2004
 Time Sampled.....: 10:50
 Sample Matrix.....: Water

Laboratory Sample ID: 232251-9
 Date Received.....: 11/24/2004
 Time Received.....: 09:50

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

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

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: L10sw-022-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-5
 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 1842	daj
7060A	Arsenic (GFAA) Arsenic	38			0.51	2.0	1	ug/L	136355		12/06/04 2007	daj
7421	Lead (GFAA) Lead	250			7.9	30	10	ug/L	136730		12/09/04 1051	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	136346		12/07/04 0320	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137125		12/14/04 1444	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	150		U	24	150	1	ug/L	137184		12/15/04 1742	tds
	Barium	30			1.3	10	1	ug/L	137184		12/15/04 1742	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137184		12/15/04 1742	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137184		12/15/04 1742	tds
	Calcium	31000			9.5	100	1	ug/L	137184		12/15/04 1742	tds
	Chromium	15			1.1	10	1	ug/L	137184		12/15/04 1742	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137184		12/15/04 1742	tds
	Copper	4.9		B	2.2	10	1	ug/L	137184		12/15/04 1742	tds
	Iron	1000			38	120	1	ug/L	137184		12/15/04 1742	tds
	Magnesium	3500			8.1	100	1	ug/L	137184		12/15/04 1742	tds
	Manganese	41			0.41	10	1	ug/L	137184		12/15/04 1742	tds
	Nickel	10		U	1.0	10	1	ug/L	137184		12/15/04 1742	tds
	Potassium	8200			66	500	1	ug/L	137184		12/15/04 1742	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-022-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-5
 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 1742	tds
	Silver	0.78	B		0.72	10	1	ug/L	137184		12/15/04 1742	tds
	Sodium	2500			490	1500	1	ug/L	137184		12/15/04 1742	tds
	Vanadium	10	U		1.0	10	1	ug/L	137184		12/15/04 1742	tds
	Zinc	66			1.6	30	1	ug/L	137184		12/15/04 1742	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-022-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-5
 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	0.14	U		0.044	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	beta-BHC	0.094	U		0.026	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	delta-BHC	0.094	U		0.024	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	Aldrin	0.094	U		0.026	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	Endosulfan I	0.094	U		0.020	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	Dieldrin	0.094	U		0.017	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	4,4'-DDE	0.094	U		0.022	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	Endrin	0.094	U		0.016	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137219		12/06/04 2125	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	137219		12/06/04 2125	kdL
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	137219		12/06/04 2125	kdL
	gamma-Chlordane	0.094	U		0.016	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137219		12/06/04 2125	kdL
	Endrin ketone	0.094	U		0.027	0.094	1.00000	ug/L	137219		12/06/04 2125	kdL
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	137219		12/06/04 2125	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/16/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAMP 14 ADGS				ATTN: Eric Eltis					
Customer Sample ID: L10sw-022-SW Date Sampled.....: 11/30/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232364-5 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	0.57	U		0.17	0.57	1.00000	ug/L	137237		12/07/04 1911	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	137237		12/07/04 1911	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	137237		12/07/04 1911	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	137237		12/07/04 1911	bjt
	Aroclor 1248	1.4	U		0.45	1.4	1.00000	ug/L	137237		12/07/04 1911	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	137237		12/07/04 1911	bjt
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	137237		12/07/04 1911	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVMAP 14 AOGS

ATTN: Eric Ellis

Customer Sample ID: L10sw-022-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-5
 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
82608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1150	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1150	jdj
	trans-1,2-Dichloroethane	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	cis-1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1150	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1150	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1150	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-022-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-5
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1150	jdj

* In Description = Dry Wgt.

Page 11

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-022-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-5
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.42	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	136557		12/08/04 1755	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136557		12/08/04 1755	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.59	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.097	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Nitrobenzene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	136557		12/08/04 1755	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,4-Dimethylphenol, Low Level Water	9.7	U		1.3	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.62	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Naphthalene, Low Level Water	0.97	U		0.16	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,4-Dichlorophenol, Low Level Water	9.7	U		0.88	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	4-Chloroaniline, Low Level Water	9.7	U		2.7	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.20	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.7	U		1.4	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.63	19	1.00000	ug/L	136557		12/08/04 1755	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136557		12/08/04 1755	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ROCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-022-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-5
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.7	U		2.3	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136557		12/08/04 1755	dpk
	2-Nitrophenol, Low Level Water	9.7	U		0.80	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	3-Nitroaniline, Low Level Water	9.7	U		2.0	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	136557		12/08/04 1755	dpk
	Acenaphthylene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	2,4-Dinitrotoluene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	Acenaphthene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.13	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	136557		12/08/04 1755	dpk
	Fluorene, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	4-Nitroaniline, Low Level Water	9.7	U		2.2	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.18	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.094	0.49	1.00000	ug/L	136557		12/08/04 1755	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.15	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.73	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Pentachlorophenol, Low Level Water	9.7	U		1.7	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.97	U		0.13	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	136557		12/08/04 1755	dpk
	Phenanthrene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	Anthracene, Low Level Water	0.97	U		0.15	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Fluoranthene, Low Level Water	0.97	U		0.14	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	Pyrene, Low Level Water	0.97	U		0.12	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.38	1.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.048	0.19	1.00000	ug/L	136557		12/08/04 1755	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136557		12/08/04 1755	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-022-SW			Laboratory Sample ID: 232364-5									
Date Sampled.....: 11/30/2004			Date Received.....: 12/02/2004									
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	4.9	U		0.70	4.9	1.00000	ug/L	136557		12/08/04 1755	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136557		12/08/04 1755	dpk
	Di-n-octyl phthalate, Low Level Water	9.7	U		2.4	9.7	1.00000	ug/L	136557		12/08/04 1755	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.065	0.39	1.00000	ug/L	136557		12/08/04 1755	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.070	0.39	1.00000	ug/L	136557		12/08/04 1755	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136557		12/08/04 1755	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.083	0.39	1.00000	ug/L	136557		12/08/04 1755	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136557		12/08/04 1755	dpk
	Benzo(ghi)perylene, Low Level Water	0.97	U		0.18	0.97	1.00000	ug/L	136557		12/08/04 1755	dpk

* In Description = Dry Wgt.

Page 16

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/17/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAMP 14 AOGS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-022-SW Date Sampled.....: 11/30/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232364-5 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	BMX	0.59	U		0.13	0.59	1.00000	ug/L	137332		12/04/04 0521	bdw
	RDX	0.38	U	a	0.12	0.38	1.00000	ug/L	137332		12/04/04 0521	bdw
	1,3,5-Trinitrobenzene	0.38	U		0.11	0.38	1.00000	ug/L	137332		12/04/04 0521	bdw
	1,3-Dinitrobenzene	0.38	U		0.10	0.38	1.00000	ug/L	137332		12/04/04 0521	bdw
	Nitrobenzene	0.30	U		0.084	0.30	1.00000	ug/L	137332		12/04/04 0521	bdw
	2,4,6-TNT	0.48	U		0.15	0.48	1.00000	ug/L	137332		12/04/04 0521	bdw
	Tetryl	1.5	U		0.31	1.5	1.00000	ug/L	137332		12/04/04 0521	bdw
	2,4-Dinitrotoluene	0.68	U		0.23	0.68	1.00000	ug/L	137332		12/04/04 0521	bdw
	2,6-Dinitrotoluene	0.82	U		0.27	0.82	1.00000	ug/L	137332		12/04/04 0521	bdw
	2-Amino-4,6-Dinitrotoluene	0.68	U		0.23	0.68	1.00000	ug/L	137332		12/04/04 0521	bdw
	4-Amino-2,6-Dinitrotoluene	0.63	U		0.21	0.63	1.00000	ug/L	137332		12/04/04 0521	bdw
	2-Nitrotoluene	0.59	U		0.18	0.59	1.00000	ug/L	137332		12/04/04 0521	bdw
	4-Nitrotoluene	0.59	U	a	0.19	0.59	1.00000	ug/L	137332		12/04/04 0521	bdw
	3-Nitrotoluene	0.59	U		0.19	0.59	1.00000	ug/L	137332		12/04/04 0521	bdw

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADGS			ATTN: Eric Ellis					
Customer Sample ID: L10sw-022-SW Date Sampled.....: 11/30/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water				Laboratory Sample ID: 232364-5 Date Received.....: 12/02/2004 Time Received.....: 09:45								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010		U	0.0044	0.010	1	mg/L	136111		12/03/04 1400	mtb

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric ELLIS

Customer Sample ID: L10sw-024-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-4
 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 1830	daj
7060A	Arsenic (GFAA) Arsenic	220			5.1	20	10	ug/L	136622		12/08/04 1548	daj
7421	Lead (GFAA) Lead	20			0.79	3.0	1	ug/L	136640		12/08/04 1530	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	136346		12/07/04 0307	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137125		12/14/04 1441	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	170			24	150	1	ug/L	137184		12/15/04 1712	tds
	Barium	38			1.3	10	1	ug/L	137184		12/15/04 1712	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137184		12/15/04 1712	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137184		12/15/04 1712	tds
	Calcium	48000			9.5	100	1	ug/L	137184		12/15/04 1712	tds
	Chromium	16			1.1	10	1	ug/L	137184		12/15/04 1712	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137184		12/15/04 1712	tds
	Copper	35			2.2	10	1	ug/L	137184		12/15/04 1712	tds
	Iron	870			38	120	1	ug/L	137184		12/15/04 1712	tds
	Magnesium	1000			8.1	100	1	ug/L	137184		12/15/04 1712	tds
	Manganese	24			0.41	10	1	ug/L	137184		12/15/04 1712	tds
	Nickel	10		U	1.0	10	1	ug/L	137184		12/15/04 1712	tds
	Potassium	3500			66	500	1	ug/L	137184		12/15/04 1712	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-024-SW Date Sampled.....: 11/30/2004 Time Sampled.....: 15:40 Sample Matrix.....: Water			Laboratory Sample ID: 232364-4 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	3.0	15	1	ug/L	137184		12/15/04 1712	tds
	Silver	10		U	0.72	10	1	ug/L	137184		12/15/04 1712	tds
	Sodium	1200		B	490	1500	1	ug/L	137184		12/15/04 1712	tds
	Vanadium	10		U	1.0	10	1	ug/L	137184		12/15/04 1712	tds
	Zinc	20		B	1.6	30	1	ug/L	137184		12/15/04 1712	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/16/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE RYAAP 14 AGCS			ATTN: Eric Elite						
Customer Sample ID: L10sw-024-SW Date Sampled.....: 11/30/2004 Time Sampled.....: 15:40 Sample Matrix.....: Water			Laboratory Sample ID: 232364-4 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		0.046	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	137219		12/06/04 2100	kdL
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	137219		12/06/04 2100	kdL
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	137219		12/06/04 2100	kdL
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	137219		12/06/04 2100	kdL
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	137219		12/06/04 2100	kdL
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	137219		12/06/04 2100	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/16/2004					
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: L10sw-024-SW Date Sampled.....: 11/30/2004 Time Sampled.....: 15:40 Sample Matrix.....: Water			Laboratory Sample ID: 232364-4 Date Received.....: 12/02/2004 Time Received.....: 09:45										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8082	PCB Analysis												
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	137237		12/07/04 1847	bjt	
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	137237		12/07/04 1847	bjt	
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	137237		12/07/04 1847	bjt	
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	137237		12/07/04 1847	bjt	
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	137237		12/07/04 1847	bjt	
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	137237		12/07/04 1847	bjt	
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	137237		12/07/04 1847	bjt	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-024-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-4
 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 1128	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	136228		12/03/04 1128	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	136228		12/03/04 1128	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	136228		12/03/04 1128	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	136228		12/03/04 1128	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	136228		12/03/04 1128	jdj

* In Description = Dry Wgt.

Page 8

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/16/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-024-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-4
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	136228		12/03/04 1128	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: L10sw-024-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-4
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	136557		12/08/04 1732	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	136557		12/08/04 1732	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	136557		12/08/04 1732	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	136557		12/08/04 1732	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	136557		12/08/04 1732	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-024-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-4
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	ML	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	136557		12/08/04 1732	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	136557		12/08/04 1732	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	136557		12/08/04 1732	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	136557		12/08/04 1732	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	136557		12/08/04 1732	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	136557		12/08/04 1732	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	136557		12/08/04 1732	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	136557		12/08/04 1732	dpk

* In Description = Dry Wgt.

Page 12

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232364

Date: 12/17/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVALAP 14 AGES

ATTN: Eric Ellis

Customer Sample ID: L10sw-024-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-4
 Date Received.....: 12/02/2004
 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	136557		12/08/04 1732	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	136557		12/08/04 1732	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	136557		12/08/04 1732	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	136557		12/08/04 1732	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	136557		12/08/04 1732	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	136557		12/08/04 1732	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	136557		12/08/04 1732	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	136557		12/08/04 1732	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	136557		12/08/04 1732	dpk

* In Description = Dry Wgt.

17

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232364		LABORATORY TEST RESULTS						Date: 12/17/2004				
CUSTOMER: HCN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: L10sw-024-SW Date Sampled.....: 11/30/2004 Time Sampled.....: 15:40 Sample Matrix.....: Water			Laboratory Sample ID: 232364-4 Date Received.....: 12/02/2004 Time Received.....: 09:45									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.41	U		0.091	0.41	1.00000	ug/L	137332		12/04/04 0449	bdw
	RDX	0.27	U		0.085	0.27	1.00000	ug/L	137332		12/04/04 0449	bdw
	1,3,5-Trinitrobenzene	0.27	U		0.077	0.27	1.00000	ug/L	137332		12/04/04 0449	bdw
	1,3-Dinitrobenzene	0.27	U		0.073	0.27	1.00000	ug/L	137332		12/04/04 0449	bdw
	Nitrobenzene	0.21	U		0.059	0.21	1.00000	ug/L	137332		12/04/04 0449	bdw
	2,4,6-TNT	0.33	U		0.10	0.33	1.00000	ug/L	137332		12/04/04 0449	bdw
	Tetryl	1.0	U		0.22	1.0	1.00000	ug/L	137332		12/04/04 0449	bdw
	2,4-Dinitrotoluene	0.48	U		0.16	0.48	1.00000	ug/L	137332		12/04/04 0449	bdw
	2,6-Dinitrotoluene	0.57	U		0.19	0.57	1.00000	ug/L	137332		12/04/04 0449	bdw
	2-Amino-4,6-Dinitrotoluene	0.48	U		0.16	0.48	1.00000	ug/L	137332		12/04/04 0449	bdw
	4-Amino-2,6-Dinitrotoluene	0.44	U		0.15	0.44	1.00000	ug/L	137332		12/04/04 0449	bdw
	2-Nitrotoluene	0.41	U		0.12	0.41	1.00000	ug/L	137332		12/04/04 0449	bdw
	4-Nitrotoluene	0.41	U		0.13	0.41	1.00000	ug/L	137332		12/04/04 0449	bdw
	3-Nitrotoluene	0.41	U		0.13	0.41	1.00000	ug/L	137332		12/04/04 0449	bdw

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

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: L10sw-024-SW
 Date Sampled.....: 11/30/2004
 Time Sampled.....: 15:40
 Sample Matrix.....: Water

Laboratory Sample ID: 232364-4
 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
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010		U	0.0044	0.010	1	mg/L	136111		12/03/04 1359	mtb

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232169		LABORATORY TEST RESULTS						Date: 12/10/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP T4 AOCs			ATTN: Eric Ellis					
Customer Sample ID: L10sw-025-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232169-11 Date Received.....: 11/20/2004 Time Received.....: 09:00								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	5.6	B	2.5	7.5	1	ug/L	135231		11/22/04 1757	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U	0.51	2.0	1	ug/L	135115		11/21/04 1609	daj
7421	Lead (GFAA) Lead	2.4	B	0.79	3.0	1	ug/L	135155		11/22/04 1425	daj
7841	Thallium (GFAA) Thallium	4.0	U	1.3	4.0	1	ug/L	135201		11/23/04 0232	daj
7470A	Mercury (CVAA) Mercury	0.20	U	0.049	0.20	1	ug/L	135633		11/29/04 1548	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum	150	U	24	150	1	ug/L	135885		12/01/04 2022	tds
	Barium	24		1.3	10	1	ug/L	135885		12/01/04 2022	tds
	Beryllium	2.0	U	0.25	2.0	1	ug/L	135885		12/01/04 2022	tds
	Cadmium	0.37	B	0.25	2.0	1	ug/L	135885		12/01/04 2022	tds
	Calcium	46000		9.5	100	1	ug/L	135885		12/01/04 2022	tds
	Chromium	2.5	B	1.1	10	1	ug/L	135885		12/01/04 2022	tds
	Cobalt	5.0	U	0.80	5.0	1	ug/L	135885		12/01/04 2022	tds
	Copper	3.8	B	2.2	10	1	ug/L	135885		12/01/04 2022	tds
	Iron	100	B	38	120	1	ug/L	135885		12/01/04 2022	tds
	Magnesium	8000		8.1	100	1	ug/L	135885		12/01/04 2022	tds
	Manganese	1.1	B	0.41	10	1	ug/L	135885		12/01/04 2022	tds
	Nickel	10	U	1.0	10	1	ug/L	135885		12/01/04 2022	tds
	Potassium	15000		66	500	1	ug/L	135885		12/01/04 2022	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232169		LABORATORY TEST RESULTS						Date: 12/10/2004				
CUSTOMER: PKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10SW-025-SW			Laboratory Sample ID: 232169-11									
Date Sampled.....: 11/19/2004			Date Received.....: 11/20/2004									
Time Sampled.....: 14:15			Time Received.....: 09:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	135885		12/01/04 2022	tds
	Silver	10	U		0.72	10	1	ug/L	135885		12/01/04 2022	tds
	Sodium	5900			490	1500	1	ug/L	135885		12/01/04 2022	tds
	Vanadium	10	U		1.0	10	1	ug/L	135885		12/01/04 2022	tds
	Zinc	39			1.6	30	1	ug/L	135885		12/01/04 2022	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232169		LABORATORY TEST RESULTS						Date: 12/08/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RWAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-025-SW Date Sampled: 11/19/2004 Time Sampled: 14:15 Sample Matrix: Water			Laboratory Sample ID: 232169-11 Date Received: 11/20/2004 Time Received: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.044	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	beta-BHC	0.093	U		0.026	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	delta-BHC	0.093	U		0.023	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	gamma-BHC (Lindane)	0.14	U		0.039	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	Heptachlor	0.14	U		0.038	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	Aldrin	0.093	U		0.026	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	Endosulfan I	0.093	U		0.020	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	Dieldrin	0.093	U		0.017	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	4,4'-DDE	0.093	U		0.021	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	Endrin	0.093	U		0.016	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	Endosulfan II	0.14	U		0.039	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	136539		11/28/04 2319	kdl
	Endosulfan sulfate	0.14	U		0.041	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	Methoxychlor	0.56	U		0.16	0.56	1.00000	ug/L	136539		11/28/04 2319	kdl
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	136539		11/28/04 2319	kdl
	gamma-Chlordane	0.093	U		0.016	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	136539		11/28/04 2319	kdl
	Endrin ketone	0.093	U		0.027	0.093	1.00000	ug/L	136539		11/28/04 2319	kdl
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	136539		11/28/04 2319	kdl

* In Description = Dry Wgt.

82

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232169		LABORATORY TEST RESULTS						Date: 12/03/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AODS				ATTN: Eric Ellis					
Customer Sample ID: L10sw-025-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232169-11 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.56	U		0.17	0.56	1.00000	ug/L	136116		11/24/04 2038	bjt
	Aroclor 1221	1.2	U		0.39	1.2	1.00000	ug/L	136116		11/24/04 2038	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	136116		11/24/04 2038	bjt
	Aroclor 1242	1.2	U		0.40	1.2	1.00000	ug/L	136116		11/24/04 2038	bjt
	Aroclor 1248	1.4	U		0.45	1.4	1.00000	ug/L	136116		11/24/04 2038	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	136116		11/24/04 2038	bjt
	Aroclor 1260	0.56	U		0.16	0.56	1.00000	ug/L	136116		11/24/04 2038	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYANP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: L10SW-025-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232169-11
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Bromomethane	1.0	U	*	0.10	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Chloroethane	1.0	U	*	0.080	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Carbon disulfide	5.0	U	*	0.20	5.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	135800		11/30/04 2251	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	135800		11/30/04 2251	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	135800		11/30/04 2251	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	135800		11/30/04 2251	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	135800		11/30/04 2251	jdj

* In Description = Dry Wgt.

Page 2

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/02/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: L10sw-025-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232169-11
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	1,2-Dichloroethane (total)	1.0	U		0.23	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	135800		11/30/04 2251	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 A02S

ATTN: Eric Ellis

Customer Sample ID: L10sw-025-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232169-11
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.7	U		0.33	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.28	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.40	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	136454		12/01/04 2322	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.24	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.47	U		0.076	0.47	1.00000	ug/L	136454		12/01/04 2322	dpk
	Hexachloroethane, Low Level Water	4.7	U		0.57	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.093	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	2-Chlorophenol, Low Level Water	4.7	U		0.11	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Nitrobenzene, Low Level Water	0.93	U		0.15	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	Benzoic acid, Low Level Water	19	U		2.8	19	1.00000	ug/L	136454		12/01/04 2322	dpk
	Isophorone, Low Level Water	1.9	U		0.24	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,4-Dimethylphenol, Low Level Water	9.3	U		1.2	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	Hexachlorobutadiene, Low Level Water	4.7	U		0.60	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Naphthalene, Low Level Water	0.93	U		0.15	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,4-Dichlorophenol, Low Level Water	9.3	U		0.85	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	4-Chloroaniline, Low Level Water	9.3	U		2.6	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.7	U		0.20	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.3	U		1.3	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.61	19	1.00000	ug/L	136454		12/01/04 2322	dpk
	2-Methylnaphthalene, Low Level Water	0.47	U		0.12	0.47	1.00000	ug/L	136454		12/01/04 2322	dpk
	2-Nitroaniline, Low Level Water	4.7	U		0.21	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.24	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk

* In Description = Dry Wgt.

Page 5

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/08/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACOS

ATTN: Eric Elits

Customer Sample ID: 110sw-025-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232169-11
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDC	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.3	U		2.2	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,6-Dinitrotoluene, Low Level Water	0.47	U		0.10	0.47	1.00000	ug/L	136454		12/01/04 2322	dpk
	2-Nitrophenol, Low Level Water	9.3	U		0.77	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	3-Nitroaniline, Low Level Water	9.3	U		2.0	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	136454		12/01/04 2322	dpk
	Acenaphthylene, Low Level Water	0.93	U		0.11	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	2,4-Dinitrotoluene, Low Level Water	0.93	U		0.12	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	Acenaphthene, Low Level Water	0.93	U		0.11	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	136454		12/01/04 2322	dpk
	Fluorene, Low Level Water	0.93	U		0.12	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	4-Nitroaniline, Low Level Water	9.3	U		2.1	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.7	U		0.18	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Hexachlorobenzene, Low Level Water	0.47	U		0.091	0.47	1.00000	ug/L	136454		12/01/04 2322	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.7	U		0.70	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Pentachlorophenol, Low Level Water	9.3	U		1.6	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.93	U		0.12	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.2	19	1.00000	ug/L	136454		12/01/04 2322	dpk
	Phenanthrene, Low Level Water	0.93	U		0.13	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	Anthracene, Low Level Water	0.93	U		0.14	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	Carbazole, Low Level Water	4.7	U		0.27	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Di-n-butyl phthalate, Low Level Water	4.7	U		0.34	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Fluoranthene, Low Level Water	0.93	U		0.13	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	Pyrene, Low Level Water	0.93	U		0.11	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.36	1.9	1.00000	ug/L	136454		12/01/04 2322	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.046	0.19	1.00000	ug/L	136454		12/01/04 2322	dpk
	Chrysene, Low Level Water	0.47	U		0.042	0.47	1.00000	ug/L	136454		12/01/04 2322	dpk

* In Description = Dry Wgt.

Page 6

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232169		LABORATORY TEST RESULTS					Date: 12/08/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE R/VAMP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: L10sw-025-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232169-11 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.7	U		0.67	4.7	1.00000	ug/L	136454		12/01/04 2322	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.6	14	1.00000	ug/L	136454		12/01/04 2322	dpk
	Di-n-octyl phthalate, Low Level Water	9.3	U	*	2.3	9.3	1.00000	ug/L	136454		12/01/04 2322	dpk
	Benzo(b)fluoranthene, Low Level Water	0.37	U		0.063	0.37	1.00000	ug/L	136454		12/01/04 2322	dpk
	Benzo(k)fluoranthene, Low Level Water	0.37	U		0.067	0.37	1.00000	ug/L	136454		12/01/04 2322	dpk
	Benzo(a)pyrene, Low Level Water	0.37	U		0.079	0.37	1.00000	ug/L	136454		12/01/04 2322	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.37	U		0.080	0.37	1.00000	ug/L	136454		12/01/04 2322	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.37	U		0.12	0.37	1.00000	ug/L	136454		12/01/04 2322	dpk
	Benzo(ghi)perylene, Low Level Water	0.93	U		0.18	0.93	1.00000	ug/L	136454		12/01/04 2322	dpk

* In Description = Dry Wgt.

Page 7

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232169

Date: 12/03/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AOCs

ATTN: ERIC ELKIS

Customer Sample ID: L10sw-025-SW
 Date Sampled.....: 11/19/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232169-11
 Date Received.....: 11/20/2004
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	136088		11/25/04 0329	bdw
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	136088		11/25/04 0329	bdw
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	136088		11/25/04 0329	bdw
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	136088		11/25/04 0329	bdw
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	136088		11/25/04 0329	bdw
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	136088		11/25/04 0329	bdw
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	136088		11/25/04 0329	bdw
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136088		11/25/04 0329	bdw
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	136088		11/25/04 0329	bdw
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	136088		11/25/04 0329	bdw
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	136088		11/25/04 0329	bdw
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	136088		11/25/04 0329	bdw
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136088		11/25/04 0329	bdw
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	136088		11/25/04 0329	bdw

* In Description = Dry Wgt.

Page 12

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232169		LABORATORY TEST RESULTS					Date: 12/14/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: L10sw-025-SW Date Sampled.....: 11/19/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232169-11 Date Received.....: 11/20/2004 Time Received.....: 09:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9014/9010B	Cyanide (Colorimetric) Cyanide, Total	0.010	U		0.0044	0.010	1	mg/L	135320		11/23/04 1506	mtb

* In Description = Dry Wgt.

Page 12

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16sw-001-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231715-3 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133763		11/09/04 2333	daj
7060A	Arsenic (GFAA) Arsenic	6.8			0.51	2.0	1	ug/L	134121		11/12/04 0057	daj
7421	Lead (GFAA) Lead	1.5		B	0.79	3.0	1	ug/L	134350		11/13/04 0040	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	134082		11/11/04 0517	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	134293		11/12/04 1419	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	300			24	150	1	ug/L	134280		11/13/04 1253	tds
	Barium	39			1.5	10	1	ug/L	134280		11/13/04 1253	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	134280		11/13/04 1253	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	134280		11/13/04 1253	tds
	Calcium	97000			24	100	1	ug/L	134280		11/13/04 1253	tds
	Chromium	1.6		B	1.5	10	1	ug/L	134280		11/13/04 1253	tds
	Cobalt	2.0		B	1.0	5.0	1	ug/L	134280		11/13/04 1253	tds
	Copper	1.6		B	1.6	10	1	ug/L	134280		11/13/04 1253	tds
	Iron	3600			40	120	1	ug/L	134280		11/13/04 1253	tds
	Magnesium	13000			12	100	1	ug/L	134280		11/13/04 1253	tds
	Manganese	4600			0.71	10	1	ug/L	134280		11/13/04 1253	tds
	Nickel	1.9		B	1.9	10	1	ug/L	134280		11/13/04 1253	tds
	Potassium	7100			110	500	1	ug/L	134280		11/13/04 1253	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: Z31715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sw-001-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: Z31715-3
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	5.0	15	1	ug/L	134280		11/13/04 1253	tds
	Silver	10		U	3.1	10	1	ug/L	134280		11/13/04 1253	tds
	Sodium	3100			500	1500	1	ug/L	134280		11/13/04 1253	tds
	Vanadium	10		U	2.1	10	1	ug/L	134280		11/13/04 1253	tds
	Zinc	30		U	10	30	1	ug/L	134280		11/13/04 1253	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/29/2004

CUSTOMER: MKM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AOCs

Customer Sample ID: F16sw-001-SW Laboratory Sample ID: 231715-3
 Date Sampled.....: 11/03/2004 Date Received.....: 11/05/2004
 Time Sampled.....: 14:15 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
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	135639		11/10/04 0313	pjg
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	135639		11/10/04 0313	pjg
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	135639		11/10/04 0313	pjg
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	135639		11/10/04 0313	pjg
	Endrin ketone	0.097	U		0.028	0.097	1.00000	ug/L	135639		11/10/04 0313	pjg
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	135639		11/10/04 0313	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellits					
Customer Sample ID: F16sw-001-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231715-3 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI 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 1047	bjt	
	Aroclor 1221	1.3	U	0.41	1.3	1.00000	ug/L	135625		11/10/04 1047	bjt	
	Aroclor 1232	1.3	U	0.34	1.3	1.00000	ug/L	135625		11/10/04 1047	bjt	
	Aroclor 1242	1.3	U	0.42	1.3	1.00000	ug/L	135625		11/10/04 1047	bjt	
	Aroclor 1248	1.5	U	0.47	1.5	1.00000	ug/L	135625		11/10/04 1047	bjt	
	Aroclor 1254	1.3	U	0.34	1.3	1.00000	ug/L	135625		11/10/04 1047	bjt	
	Aroclor 1260	0.58	U	0.17	0.58	1.00000	ug/L	135625		11/10/04 1047	bjt	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: NCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F16sw-001-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231715-3 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Acetone	16	U		1.8	10	1.00000	ug/L	134097		11/12/04 0205	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134097		11/12/04 0205	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134097		11/12/04 0205	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134097		11/12/04 0205	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134097		11/12/04 0205	jdj

* In Description = Dry Wgt.

Page 6

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVARP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F16sw-001-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231715-3 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0205	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sw-001-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-3
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	0.62	J		0.33	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	134906		11/18/04 1612	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	134906		11/18/04 1612	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	0.65	J		0.095	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	134906		11/18/04 1612	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	134906		11/18/04 1612	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	134906		11/18/04 1612	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sw-001-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-3
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.0000	ug/L	134906		11/18/04 1612	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	134906		11/18/04 1612	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	134906		11/18/04 1612	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	134906		11/18/04 1612	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	134906		11/18/04 1612	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	134906		11/18/04 1612	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	134906		11/18/04 1612	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	134906		11/18/04 1612	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	134906		11/18/04 1612	dpk

* In Description = Dry Wgt.

Page 9

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sw-001-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-3
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8		U	0.69	4.8	1.00000	ug/L	134906		11/18/04 1612	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14		U	3.7	14	1.00000	ug/L	134906		11/18/04 1612	dpk
	Di-n-octyl phthalate, Low Level Water	9.5		U	2.4	9.5	1.00000	ug/L	134906		11/18/04 1612	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38		U	0.064	0.38	1.00000	ug/L	134906		11/18/04 1612	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38		U	0.069	0.38	1.00000	ug/L	134906		11/18/04 1612	dpk
	Benzo(a)pyrene, Low Level Water	0.38		U	0.080	0.38	1.00000	ug/L	134906		11/18/04 1612	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38		U	0.082	0.38	1.00000	ug/L	134906		11/18/04 1612	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38		U	0.12	0.38	1.00000	ug/L	134906		11/18/04 1612	dpk
	Benzo(ghi)perylene, Low Level Water	0.95		U	0.18	0.95	1.00000	ug/L	134906		11/18/04 1612	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: F16sw-001-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 231715-3 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	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	134760		11/13/04 1810	san
	RDX	0.14	J	a	0.070	0.22	1.00000	ug/L	134760		11/13/04 1810	san
	1,3,5-Trinitrobenzene	0.14	J	a	0.064	0.22	1.00000	ug/L	134760		11/13/04 1810	san
	1,3-Dinitrobenzene	0.22	U		0.060	0.22	1.00000	ug/L	134760		11/13/04 1810	san
	Nitrobenzene	0.18	U		0.048	0.18	1.00000	ug/L	134760		11/13/04 1810	san
	2,4,6-TNT	0.28	U		0.086	0.28	1.00000	ug/L	134760		11/13/04 1810	san
	Tetryl	0.86	U		0.18	0.86	1.00000	ug/L	134760		11/13/04 1810	san
	2,4-Dinitrotoluene	0.40	U		0.13	0.40	1.00000	ug/L	134760		11/13/04 1810	san
	2,6-Dinitrotoluene	0.47	U		0.16	0.47	1.00000	ug/L	134760		11/13/04 1810	san
	2-Amino-4,6-Dinitrotoluene	0.40	U		0.13	0.40	1.00000	ug/L	134760		11/13/04 1810	san
	4-Amino-2,6-Dinitrotoluene	0.53	U		0.12	0.36	1.00000	ug/L	134760		11/13/04 1810	san
	2-Nitrotoluene	0.34	U		0.10	0.34	1.00000	ug/L	134760		11/13/04 1810	san
	4-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	134760		11/13/04 1810	san
	3-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	134760		11/13/04 1810	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	2.1			0.16	1.1	1.00000	ug/L	134754		11/10/04 0134	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: F16sw-001-SW

Trace Level Organic Compounds

Lot-Sample #...: G4K050396-002 Work Order #...: GWDOC1AC
Date Sampled...: 11/03/04 14:15 Date Received...: 11/05/04
Prep Date.....: 11/08/04 Analysis Date...: 11/11/04
Prep Batch #...: 4313492
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: F16sw-001-SW

General Chemistry

Lot-Sample #...: G4K050396-002
Date Sampled...: 11/03/04

Work Order #...: GWD0C
Date Received...: 11/05/04

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	11/11-11/13/04	4316571
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: F16sw-002-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-1 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	133763		11/09/04 2302	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	134121		11/12/04 0035	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	134350		11/13/04 0006	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	134082		11/11/04 0451	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.049	0.20	1	ug/L	134293		11/12/04 1414	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	530			24	150	1	ug/L	134280		11/13/04 1241	tds
	Barium	24			1.5	10	1	ug/L	134280		11/13/04 1241	tds
	Beryllium	2.0		U	0.17	2.0	1	ug/L	134280		11/13/04 1241	tds
	Cadmium	2.0		U	0.44	2.0	1	ug/L	134280		11/13/04 1241	tds
	Calcium	31000			24	100	1	ug/L	134280		11/13/04 1241	tds
	Chromium	10		U	1.5	10	1	ug/L	134280		11/13/04 1241	tds
	Cobalt	5.0		U	1.0	5.0	1	ug/L	134280		11/13/04 1241	tds
	Copper	10		U	1.6	10	1	ug/L	134280		11/13/04 1241	tds
	Iron	750			40	120	1	ug/L	134280		11/13/04 1241	tds
	Magnesium	8000			12	100	1	ug/L	134280		11/13/04 1241	tds
	Manganese	73			0.71	10	1	ug/L	134280		11/13/04 1241	tds
	Nickel	10		U	1.9	10	1	ug/L	134280		11/13/04 1241	tds
	Potassium	2200			110	500	1	ug/L	134280		11/13/04 1241	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-1
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U	5.0	15	1	ug/L	134280		11/13/04 1241	tds
	Silver	10	U	3.1	10	1	ug/L	134280		11/13/04 1241	tds
	Sodium	2900		500	1500	1	ug/L	134280		11/13/04 1241	tds
	Vanadium	10	U	2.1	10	1	ug/L	134280		11/13/04 1241	tds
	Zinc	30	U	10	30	1	ug/L	134280		11/13/04 1241	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715 LABORATORY TEST RESULTS Date: 11/29/2004

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

Customer Sample ID: F16sw-002-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-1
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

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	135639		11/10/04 0223	pjg
	beta-BHC	0.098	U	0.027	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	delta-BHC	0.098	U	0.025	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	gamma-BHC (lindane)	0.15	U	0.041	0.15	1.00000	ug/L	135639		11/10/04 0223	pjg
	Heptachlor	0.15	U	0.040	0.15	1.00000	ug/L	135639		11/10/04 0223	pjg
	Aldrin	0.098	U	0.027	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	Heptachlor epoxide	0.15	U	0.035	0.15	1.00000	ug/L	135639		11/10/04 0223	pjg
	Endosulfan I	0.098	U	0.021	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	Dieldrin	0.098	U	0.018	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	4,4'-DDE	0.098	U	0.023	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	Endrin	0.098	U	0.017	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	Endosulfan II	0.15	U	0.041	0.15	1.00000	ug/L	135639		11/10/04 0223	pjg
	4,4'-DDD	0.11	U	0.035	0.11	1.00000	ug/L	135639		11/10/04 0223	pjg
	Endosulfan sulfate	0.15	U	0.043	0.15	1.00000	ug/L	135639		11/10/04 0223	pjg
	4,4'-DDT	0.15	U	0.048	0.15	1.00000	ug/L	135639		11/10/04 0223	pjg
	Methoxychlor	0.59	U	0.17	0.59	1.00000	ug/L	135639		11/10/04 0223	pjg
	alpha-Chlordane	0.049	U	0.016	0.049	1.00000	ug/L	135639		11/10/04 0223	pjg
	gamma-Chlordane	0.098	U	0.017	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	Endrin aldehyde	0.15	U	0.034	0.15	1.00000	ug/L	135639		11/10/04 0223	pjg
	Endrin ketone	0.098	U	0.028	0.098	1.00000	ug/L	135639		11/10/04 0223	pjg
	Toxaphene	0.49	U	0.14	0.49	1.00000	ug/L	135639		11/10/04 0223	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/29/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYAAP 14 AOGS				ATTN: Eric Ellis						
Customer Sample ID: F16sw-002-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-1 Date Received.....: 11/05/2004 Time Received.....: 09:30										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8082	PCB Analysis												
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	135625		11/10/04 0936	bjt	
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	135625		11/10/04 0936	bjt	
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	135625		11/10/04 0936	bjt	
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	135625		11/10/04 0936	bjt	
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	135625		11/10/04 0936	bjt	
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	135625		11/10/04 0936	bjt	
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	135625		11/10/04 0936	bjt	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/18/2004

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

Customer Sample ID: F16sw-002-SW Laboratory Sample ID: 231715-1
 Date Sampled.....: 11/03/2004 Date Received.....: 11/05/2004
 Time Sampled.....: 14:50 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
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134097		11/12/04 0119	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134097		11/12/04 0119	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134097		11/12/04 0119	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134097		11/12/04 0119	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134097		11/12/04 0119	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: F16sw-002-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-1 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	m,p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0119	jdj

* In Description = Dry Wgt.

Page 3

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-1
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	134906		11/17/04 1942	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.078	0.48	1.00000	ug/L	134906		11/17/04 1942	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.59	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.096	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.12	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Nitrobenzene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	134906		11/17/04 1942	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.62	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Naphthalene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		0.87	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	4-Chloroaniline, Low Level Water	9.6	U		2.7	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		1.3	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	134906		11/17/04 1942	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	134906		11/17/04 1942	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: Z31715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: Z31715-1
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		2.3	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	134906		11/17/04 1942	dpk
	2-Nitrophenol, Low Level Water	9.6	U		0.79	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	3-Nitroaniline, Low Level Water	9.6	U		2.0	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	134906		11/17/04 1942	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	Acenaphthene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	134906		11/17/04 1942	dpk
	Fluorene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	4-Nitroaniline, Low Level Water	9.6	U		2.2	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.093	0.48	1.00000	ug/L	134906		11/17/04 1942	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.72	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.6	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	134906		11/17/04 1942	dpk
	Phenanthrene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	Anthracene, Low Level Water	0.96	U		0.14	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.35	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Fluoranthene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	Pyrene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	134906		11/17/04 1942	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	134906		11/17/04 1942	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	134906		11/17/04 1942	dpk

* In Description = Dry Wgt.

Page 3

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RYAAP 14 ADES

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-SW
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-1
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8		U	0.69	4.8	1.00000	ug/L	134906		11/17/04 1942	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14		U	3.7	14	1.00000	ug/L	134906		11/17/04 1942	dpk
	Di-n-octyl phthalate, Low Level Water	9.6		U	2.4	9.6	1.00000	ug/L	134906		11/17/04 1942	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38		U	0.064	0.38	1.00000	ug/L	134906		11/17/04 1942	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38		U	0.069	0.38	1.00000	ug/L	134906		11/17/04 1942	dpk
	Benzo(a)pyrene, Low Level Water	0.38		U	0.081	0.38	1.00000	ug/L	134906		11/17/04 1942	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38		U	0.083	0.38	1.00000	ug/L	134906		11/17/04 1942	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38		U	0.12	0.38	1.00000	ug/L	134906		11/17/04 1942	dpk
	Benzo(ghi)perylene, Low Level Water	0.96		U	0.18	0.96	1.00000	ug/L	134906		11/17/04 1942	dpk

* In Description = Dry Wgt.

Page 4

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: ERIC ELLIS					
Customer Sample ID: F16sw-002-SW Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-1 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.48	U		0.10	0.48	1.00000	ug/L	134760		11/13/04 1705	san
	RDX	0.31	U		0.098	0.31	1.00000	ug/L	134760		11/13/04 1705	san
	1,3,5-Trinitrobenzene	0.31	U		0.089	0.31	1.00000	ug/L	134760		11/13/04 1705	san
	1,3-Dinitrobenzene	0.31	U		0.084	0.31	1.00000	ug/L	134760		11/13/04 1705	san
	Nitrobenzene	0.25	U		0.067	0.25	1.00000	ug/L	134760		11/13/04 1705	san
	2,4,6-TNT	0.38	U		0.12	0.38	1.00000	ug/L	134760		11/13/04 1705	san
	Tetryl	1.2	U		0.25	1.2	1.00000	ug/L	134760		11/13/04 1705	san
	2,4-Dinitrotoluene	0.55	U		0.19	0.55	1.00000	ug/L	134760		11/13/04 1705	san
	2,6-Dinitrotoluene	0.66	U		0.22	0.66	1.00000	ug/L	134760		11/13/04 1705	san
	2-Amino-4,6-Dinitrotoluene	0.55	U		0.18	0.55	1.00000	ug/L	134760		11/13/04 1705	san
	4-Amino-2,6-Dinitrotoluene	0.51	U		0.17	0.51	1.00000	ug/L	134760		11/13/04 1705	san
	2-Nitrotoluene	0.48	U		0.14	0.48	1.00000	ug/L	134760		11/13/04 1705	san
	4-Nitrotoluene	0.48	U		0.15	0.48	1.00000	ug/L	134760		11/13/04 1705	san
3-Nitrotoluene	0.48	U		0.15	0.48	1.00000	ug/L	134760		11/13/04 1705	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.5	U		0.23	1.5	1.00000	ug/L	134754		11/10/04 0023	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: F16sw-002-SW

Trace Level Organic Compounds

Lot-Sample #...: G4K050396-003 Work Order #...: GWD0E1AC
Date Sampled...: 11/03/04 14:50 Date Received...: 11/05/04
Prep Date.....: 11/08/04 Analysis Date...: 11/11/04
Prep Batch #...: 4313492
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: F16sw-002-SW

General Chemistry

Lot-Sample #...: G4K050396-003
Date Sampled...: 11/03/04

Work Order #...: GWD0E
Date Received...: 11/05/04

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	11/11-11/13/04	4316571
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16sw-002-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-2 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	133763		11/09/04 2322	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	134121		11/12/04 0046	daj
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	134350		11/13/04 0017	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	134082		11/11/04 0504	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.049	0.20	1	ug/L	134293		11/12/04 1417	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	520			24	150	1	ug/L	134280		11/13/04 1247	tds
	Barium	24			1.5	10	1	ug/L	134280		11/13/04 1247	tds
	Beryllium	2.0	U		0.17	2.0	1	ug/L	134280		11/13/04 1247	tds
	Cadmium	2.0	U		0.44	2.0	1	ug/L	134280		11/13/04 1247	tds
	Calcium	31000			24	100	1	ug/L	134280		11/13/04 1247	tds
	Chromium	10	U		1.5	10	1	ug/L	134280		11/13/04 1247	tds
	Cobalt	5.0	U		1.0	5.0	1	ug/L	134280		11/13/04 1247	tds
	Copper	10	U		1.6	10	1	ug/L	134280		11/13/04 1247	tds
	Iron	750			40	120	1	ug/L	134280		11/13/04 1247	tds
	Magnesium	8000			12	100	1	ug/L	134280		11/13/04 1247	tds
	Manganese	72			0.71	10	1	ug/L	134280		11/13/04 1247	tds
	Nickel	10	U		1.9	10	1	ug/L	134280		11/13/04 1247	tds
	Potassium	2200			110	500	1	ug/L	134280		11/13/04 1247	tds

* In Description = Dry Wgt.

Page 4

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-2
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	5.0	15	1	ug/L	134280		11/13/04 1247	tds
	Silver	10		U	3.1	10	1	ug/L	134280		11/13/04 1247	tds
	Sodium	3000			500	1500	1	ug/L	134280		11/13/04 1247	tds
	Vanadium	10		U	2.1	10	1	ug/L	134280		11/13/04 1247	tds
	Zinc	30		U	10	30	1	ug/L	134280		11/13/04 1247	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/29/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAMP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16sw-002-DUP			Laboratory Sample ID: 231715-2									
Date Sampled.....: 11/03/2004			Date Received.....: 11/05/2004									
Time Sampled.....: 14:50			Time Received.....: 09:30									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	Endrin	0.098	U		0.017	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	135639		11/10/04 0248	pjg
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	135639		11/10/04 0248	pjg
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	135639		11/10/04 0248	pjg
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	135639		11/10/04 0248	pjg
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	135639		11/10/04 0248	pjg
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	135639		11/10/04 0248	pjg

* In Description = Dry Wgt.

Page 3

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/29/2004					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis						
Customer Sample ID: F16sw-002-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-2 Date Received.....: 11/05/2004 Time Received.....: 09:30										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8082	PCB Analysis												
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	135625		11/10/04 1012	bjt	
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	135625		11/10/04 1012	bjt	
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	135625		11/10/04 1012	bjt	
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	135625		11/10/04 1012	bjt	
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	135625		11/10/04 1012	bjt	
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	135625		11/10/04 1012	bjt	
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	135625		11/10/04 1012	bjt	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715 Date: 11/18/2004

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

Customer Sample ID: F16sw-002-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-2
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	134097		11/12/04 0142	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	134097		11/12/04 0142	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	134097		11/12/04 0142	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,2-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	134097		11/12/04 0142	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	134097		11/12/04 0142	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/18/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: F16sw-002-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-2 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	134097		11/12/04 0142	jdj

* In Description = Dry Wgt.

Page 5

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOC5

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-2
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	134906		11/17/04 2004	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.078	0.48	1.00000	ug/L	134906		11/17/04 2004	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.59	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.096	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.12	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Nitrobenzene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	134906		11/17/04 2004	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.62	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Naphthalene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		0.87	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	4-Chloroaniline, Low Level Water	9.6	U		2.7	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		1.3	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	134906		11/17/04 2004	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	134906		11/17/04 2004	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk

* In Description = Dry Wgt.

Page 5

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/19/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-2
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		2.3	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	134906		11/17/04 2004	dpk
	2-Nitrophenol, Low Level Water	9.6	U		0.79	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	3-Nitroaniline, Low Level Water	9.6	U		2.0	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	134906		11/17/04 2004	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	Acenaphthene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	134906		11/17/04 2004	dpk
	Fluorene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	4-Nitroaniline, Low Level Water	9.6	U		2.2	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.093	0.48	1.00000	ug/L	134906		11/17/04 2004	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.72	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.6	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	134906		11/17/04 2004	dpk
	Phenanthrene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	Anthracene, Low Level Water	0.96	U		0.14	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.35	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Fluoranthene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	Pyrene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	134906		11/17/04 2004	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	134906		11/17/04 2004	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	134906		11/17/04 2004	dpk

* In Description = Dry Wgt.

Page 6

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 231715		LABORATORY TEST RESULTS						Date: 11/19/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGES				ATTN: Eric Ellis					
Customer Sample ID: F16sw-002-DUP Date Sampled.....: 11/03/2004 Time Sampled.....: 14:50 Sample Matrix.....: Water			Laboratory Sample ID: 231715-2 Date Received.....: 11/05/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	134906		11/17/04 2004	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	134906		11/17/04 2004	dpk
	Di-n-octyl phthalate, Low Level Water	9.6	U		2.4	9.6	1.00000	ug/L	134906		11/17/04 2004	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	134906		11/17/04 2004	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	134906		11/17/04 2004	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.081	0.38	1.00000	ug/L	134906		11/17/04 2004	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.083	0.38	1.00000	ug/L	134906		11/17/04 2004	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	134906		11/17/04 2004	dpk
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.18	0.96	1.00000	ug/L	134906		11/17/04 2004	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 231715

Date: 11/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: F16sw-002-DUP
 Date Sampled.....: 11/03/2004
 Time Sampled.....: 14:50
 Sample Matrix.....: Water

Laboratory Sample ID: 231715-2
 Date Received.....: 11/05/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.46	U		0.10	0.46	1.00000	ug/L	134760		11/13/04 1737	san
	RDX	0.30	U		0.096	0.30	1.00000	ug/L	134760		11/13/04 1737	san
	1,3,5-Trinitrobenzene	0.30	U		0.087	0.30	1.00000	ug/L	134760		11/13/04 1737	san
	1,3-Dinitrobenzene	0.30	U		0.082	0.30	1.00000	ug/L	134760		11/13/04 1737	san
	Nitrobenzene	0.24	U		0.066	0.24	1.00000	ug/L	134760		11/13/04 1737	san
	2,4,6-TNT	0.38	U		0.12	0.38	1.00000	ug/L	134760		11/13/04 1737	san
	Tetryl	1.2	U		0.25	1.2	1.00000	ug/L	134760		11/13/04 1737	san
	2,4-Dinitrotoluene	0.54	U		0.18	0.54	1.00000	ug/L	134760		11/13/04 1737	san
	2,6-Dinitrotoluene	0.64	U		0.21	0.64	1.00000	ug/L	134760		11/13/04 1737	san
	2-Amino-4,6-Dinitrotoluene	0.54	U		0.18	0.54	1.00000	ug/L	134760		11/13/04 1737	san
	4-Amino-2,6-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	134760		11/13/04 1737	san
	2-Nitrotoluene	0.46	U		0.14	0.46	1.00000	ug/L	134760		11/13/04 1737	san
	4-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	134760		11/13/04 1737	san
	3-Nitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	134760		11/13/04 1737	san
	8332M	NG/PETN by 8332M (NPLC)										
Nitroglycerine		1.5	U		0.22	1.5	1.00000	ug/L	134754		11/10/04 0059	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: F16sw-002-DUP

Trace Level Organic Compounds

Lot-Sample #....: G4K050396-004 Work Order #....: GWD0H1AC Matrix.....: WATER
Date Sampled....: 11/03/04 14:50 Date Received...: 11/05/04
Prep Date.....: 11/08/04 Analysis Date...: 11/11/04
Prep Batch #....: 4313492
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: F16sw-002-DUP

General Chemistry

Lot-Sample #...: G4K050396-004
Date Sampled...: 11/03/04

Work Order #...: GWD0H
Date Received...: 11/05/04

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	11/11-11/13/04	4316571
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date:01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ROCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsk-001-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232540-3 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	137013		12/13/04 1235	daj
7060A	Arsenic (GFAA) Arsenic	0.96	B		0.51	2.0	1	ug/L	136999		12/13/04 1811	daj
7421	Lead (GFAA) Lead	3.6			0.79	3.0	1	ug/L	137235		12/16/04 0356	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	137028		12/13/04 1417	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137472		12/17/04 1342	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	990			24	150	1	ug/L	137992		12/22/04 1319	lmr
	Barium	32			1.3	10	1	ug/L	137992		12/22/04 1319	lmr
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1319	lmr
	Cadmium	0.31	B		0.25	2.0	1	ug/L	137992		12/22/04 1319	lmr
	Calcium	23000			9.5	100	1	ug/L	137992		12/22/04 1319	lmr
	Chromium	2.1	B		1.1	10	1	ug/L	137992		12/22/04 1319	lmr
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137992		12/22/04 1319	lmr
	Copper	3.8	B		2.2	10	1	ug/L	137992		12/22/04 1319	lmr
	Iron	1600			38	120	1	ug/L	138123		12/28/04 0112	lmr
	Magnesium	3000			8.1	100	1	ug/L	137992		12/22/04 1319	lmr
	Manganese	130			0.41	10	1	ug/L	137992		12/22/04 1319	lmr
	Nickel	2.1	B		1.0	10	1	ug/L	137992		12/22/04 1319	lmr
	Potassium	2100			66	500	1	ug/L	137992		12/22/04 1319	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-001-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232540-3 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1319	lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1319	lmr
	Sodium	950	B		490	1500	1	ug/L	137992		12/22/04 1319	lmr
	Vanadium	1.5	B		1.0	10	1	ug/L	137992		12/22/04 1319	lmr
	Zinc	12	B		1.6	30	1	ug/L	137992		12/22/04 1319	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAMP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-001-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-3
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137782		12/17/04 1820	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	137782		12/17/04 1820	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	137782		12/17/04 1820	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137782		12/17/04 1820	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	137782		12/17/04 1820	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	137782		12/17/04 1820	kdl

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: PKM Engineers, Inc.			PROJECT: USACE RVAAP T4 ADGS				ATTN: Eric Elliot					
Customer Sample ID: ASYsw-001-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232540-3 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57	U		0.17	0.57	1.00000	ug/L	137736		12/15/04 1607	bjt
	Aroclor 1221	1.2	U		0.40	1.2	1.00000	ug/L	137736		12/15/04 1607	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	137736		12/15/04 1607	bjt
	Aroclor 1242	1.2	U		0.41	1.2	1.00000	ug/L	137736		12/15/04 1607	bjt
	Aroclor 1248	1.4	U		0.46	1.4	1.00000	ug/L	137736		12/15/04 1607	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	137736		12/15/04 1607	bjt
	Aroclor 1260	0.57	U		0.16	0.57	1.00000	ug/L	137736		12/15/04 1607	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/18/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-001-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-3
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics										
	Chloromethane	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Vinyl chloride	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Bromomethane	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Chloroethane	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,1-Dichloroethene	1.0	U	0.12	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Carbon disulfide	5.0	U	0.20	5.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Acetone	10	U	1.8	10	1.00000	ug/L	137371		12/16/04 1404	jdj
	Methylene chloride	1.5	U	0.35	1.5	1.00000	ug/L	137371		12/16/04 1404	jdj
	trans-1,2-Dichloroethene	1.0	U	0.14	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,1-Dichloroethane	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	cis-1,2-Dichloroethene	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	2-Butanone (MEK)	10	U	1.2	10	1.00000	ug/L	137371		12/16/04 1404	jdj
	Bromochloromethane	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Chloroform	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,1,1-Trichloroethane	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Carbon tetrachloride	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Benzene	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,2-Dichloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Trichloroethene	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,2-Dichloropropane	1.0	U	0.12	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Bromodichloromethane	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	cis-1,3-Dichloropropene	1.0	U	0.12	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	4-Methyl-2-pentanone (MIBK)	10	U	0.65	10	1.00000	ug/L	137371		12/16/04 1404	jdj
	Toluene	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	trans-1,3-Dichloropropene	1.0	U	0.15	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,1,2-Trichloroethane	1.0	U	0.15	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Tetrachloroethene	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	2-Hexanone	10	U	0.53	10	1.00000	ug/L	137371		12/16/04 1404	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540 LABORATORY TEST RESULTS Date: 12/18/2004

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

Customer Sample ID: ASYsw-001-SW Laboratory Sample ID: 232540-3
 Date Sampled.....: 12/07/2004 Date Received.....: 12/08/2004
 Time Sampled.....: 10:45 Time Received.....: 09:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 1404	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date:12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-001-SW

Date Sampled.....: 12/07/2004

Time Sampled.....: 10:45

Sample Matrix.....: Water

Laboratory Sample ID: 232540-3

Date Received.....: 12/08/2004

Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.7	U		0.33	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.28	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.40	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137849		12/14/04 1730	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.24	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.47	U		0.076	0.47	1.00000	ug/L	137849		12/14/04 1730	dpk
	Hexachloroethane, Low Level Water	4.7	U		0.57	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.093	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	2-Chlorophenol, Low Level Water	4.7	U		0.11	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Nitrobenzene, Low Level Water	0.93	U		0.15	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	Benzoic acid, Low Level Water	19	U		2.8	19	1.00000	ug/L	137849		12/14/04 1730	dpk
	Isophorone, Low Level Water	1.9	U		0.24	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,4-Dimethylphenol, Low Level Water	9.3	U		1.2	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	Hexachlorobutadiene, Low Level Water	4.7	U		0.60	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Naphthalene, Low Level Water	0.93	U		0.15	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,4-Dichlorophenol, Low Level Water	9.3	U		0.85	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	4-Chloroaniline, Low Level Water	9.3	U		2.6	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.7	U		0.20	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.3	U		1.3	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.61	19	1.00000	ug/L	137849		12/14/04 1730	dpk
	2-Methylnaphthalene, Low Level Water	0.47	U		0.12	0.47	1.00000	ug/L	137849		12/14/04 1730	dpk
	2-Nitroaniline, Low Level Water	4.7	U		0.21	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.24	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk

* In Description = Dry Wgt.

Page 2

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-001-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-3
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.3	U		2.2	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,6-Dinitrotoluene, Low Level Water	0.47	U		0.10	0.47	1.00000	ug/L	137849		12/14/04 1730	dpk
	2-Nitrophenol, Low Level Water	9.3	U		0.77	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	3-Nitroaniline, Low Level Water	9.3	U		2.0	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137849		12/14/04 1730	dpk
	Acenaphthylene, Low Level Water	0.93	U		0.11	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	2,4-Dinitrotoluene, Low Level Water	0.93	U		0.12	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	Acenaphthene, Low Level Water	0.93	U		0.11	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137849		12/14/04 1730	dpk
	Fluorene, Low Level Water	0.93	U		0.12	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	4-Nitroaniline, Low Level Water	9.3	U		2.1	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.7	U		0.18	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Hexachlorobenzene, Low Level Water	0.47	U		0.091	0.47	1.00000	ug/L	137849		12/14/04 1730	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.7	U		0.70	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Pentachlorophenol, Low Level Water	9.3	U		1.6	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.93	U		0.12	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.2	19	1.00000	ug/L	137849		12/14/04 1730	dpk
	Phenanthrene, Low Level Water	0.93	U		0.13	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	Anthracene, Low Level Water	0.93	U		0.14	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	Carbazole, Low Level Water	4.7	U		0.27	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Di-n-butyl phthalate, Low Level Water	4.7	U		0.34	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Fluoranthene, Low Level Water	0.93	U		0.13	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	Pyrene, Low Level Water	0.93	U		0.11	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.36	1.9	1.00000	ug/L	137849		12/14/04 1730	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.046	0.19	1.00000	ug/L	137849		12/14/04 1730	dpk
	Chrysene, Low Level Water	0.47	U		0.042	0.47	1.00000	ug/L	137849		12/14/04 1730	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 1& ADCS			ATTN: Eric ELLIS						
Customer Sample ID: ASYsw-001-SW			Laboratory Sample ID: 232540-3									
Date Sampled.....: 12/07/2004			Date Received.....: 12/08/2004									
Time Sampled.....: 10:45			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
	3,3-Dichlorobenzidine, Low Level Water	4.7	U		0.67	4.7	1.00000	ug/L	137849		12/14/04 1730	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.6	14	1.00000	ug/L	137849		12/14/04 1730	dpk
	Di-n-octyl phthalate, Low Level Water	9.3	U		2.3	9.3	1.00000	ug/L	137849		12/14/04 1730	dpk
	Benzo(b)fluoranthene, Low Level Water	0.37	U		0.063	0.37	1.00000	ug/L	137849		12/14/04 1730	dpk
	Benzo(k)fluoranthene, Low Level Water	0.37	U		0.067	0.37	1.00000	ug/L	137849		12/14/04 1730	dpk
	Benzo(a)pyrene, Low Level Water	0.37	U		0.079	0.37	1.00000	ug/L	137849		12/14/04 1730	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.37	U		0.080	0.37	1.00000	ug/L	137849		12/14/04 1730	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.37	U		0.12	0.37	1.00000	ug/L	137849		12/14/04 1730	dpk
	Benzo(ghi)perylene, Low Level Water	0.93	U		0.18	0.93	1.00000	ug/L	137849		12/14/04 1730	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: ASYSW-001-SW			Laboratory Sample ID: 232540-3			Date Sampled.....: 12/07/2004		Date Received.....: 12/08/2004				
Time Sampled.....: 10:45			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
8330	Explosives by 8330 (HPLC)											
	HMx	0.34	U		0.074	0.34	1.00000	ug/L	137759		12/16/04 0716	bdw
	RDX	0.22	U		0.069	0.22	1.00000	ug/L	137759		12/16/04 0716	bdw
	1,3,5-Trinitrobenzene	0.22	U		0.063	0.22	1.00000	ug/L	137759		12/16/04 0716	bdw
	1,3-Dinitrobenzene	0.22	U		0.060	0.22	1.00000	ug/L	137759		12/16/04 0716	bdw
	Nitrobenzene	0.17	U		0.048	0.17	1.00000	ug/L	137759		12/16/04 0716	bdw
	2,4,6-TNT	0.27	U		0.085	0.27	1.00000	ug/L	137759		12/16/04 0716	bdw
	Tetryl	0.85	U		0.18	0.85	1.00000	ug/L	137759		12/16/04 0716	bdw
	2,4-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137759		12/16/04 0716	bdw
	2,6-Dinitrotoluene	0.47	U		0.15	0.47	1.00000	ug/L	137759		12/16/04 0716	bdw
	2-Amino-4,6-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137759		12/16/04 0716	bdw
	4-Amino-2,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137759		12/16/04 0716	bdw
	2-Nitrotoluene	0.34	U		0.10	0.34	1.00000	ug/L	137759		12/16/04 0716	bdw
	4-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137759		12/16/04 0716	bdw
	3-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137759		12/16/04 0716	bdw
8332M	NG/PETM by 8332M (HPLC)											
	Nitroglycerine	1.1	U		0.16	1.1	1.00000	ug/L	137697		12/10/04 0527	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-001-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L080382-001 Work Order #...: G0KGC1AC Matrix.....: WATER
Date Sampled...: 12/07/04 10:45 Date Received...: 12/08/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-001-SW

General Chemistry

Lot-Sample #...: G4L080382-001 Work Order #...: G0KGC Matrix.....: WATER
Date Sampled...: 12/07/04 Date Received...: 12/08/04

<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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-002-SH Date Sampled.....: 12/07/2004 Time Sampled.....: 11:45 Sample Matrix.....: Water			Laboratory Sample ID: 232540-4 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	137013		12/13/04 1247	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	136999		12/13/04 1822	daj
7421	Lead (GFAA) Lead	1.5	B		0.79	3.0	1	ug/L	137235		12/16/04 0409	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	137028		12/13/04 1456	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137472		12/17/04 1344	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	480			24	150	1	ug/L	137992		12/22/04 1325	Lmr
	Barium	38			1.3	10	1	ug/L	137992		12/22/04 1325	Lmr
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1325	Lmr
	Cadmium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1325	Lmr
	Calcium	16000			9.5	100	1	ug/L	137992		12/22/04 1325	Lmr
	Chromium	1.4	B		1.1	10	1	ug/L	137992		12/22/04 1325	Lmr
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137992		12/22/04 1325	Lmr
	Copper	2.7	B		2.2	10	1	ug/L	137992		12/22/04 1325	Lmr
	Iron	1800			38	120	1	ug/L	138123		12/28/04 0119	Lmr
	Magnesium	2600			8.1	100	1	ug/L	137992		12/22/04 1325	Lmr
	Manganese	150			0.41	10	1	ug/L	137992		12/22/04 1325	Lmr
	Nickel	2.8	B		1.0	10	1	ug/L	137992		12/22/04 1325	Lmr
	Potassium	1500			66	500	1	ug/L	137992		12/22/04 1325	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540 Date: 01/03/2005

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

Customer Sample ID: ASYsw-002-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-4
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1325	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1325	Lmr
	Sodium	1200	B		490	1500	1	ug/L	137992		12/22/04 1325	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1325	Lmr
	Zinc	19	B		1.6	30	1	ug/L	137992		12/22/04 1325	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540 LABORATORY TEST RESULTS Date: 12/21/2004

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

Customer Sample ID: ASYsw-002-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-4
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	137782		12/17/04 1845	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	137782		12/17/04 1845	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	137782		12/17/04 1845	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	137782		12/17/04 1845	kdl
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	137782		12/17/04 1845	kdl
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	137782		12/17/04 1845	kdl

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Elite					
Customer Sample ID: ASYsw-002-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 11:45 Sample Matrix.....: Water			Laboratory Sample ID: 232540-4 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	137736		12/15/04 1643	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	137736		12/15/04 1643	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	137736		12/15/04 1643	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	137736		12/15/04 1643	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	137736		12/15/04 1643	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	137736		12/15/04 1643	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	137736		12/15/04 1643	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-002-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-4
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics										
	Chloromethane	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Vinyl chloride	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Bromomethane	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Chloroethane	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	1,1-Dichloroethene	1.0	U	0.12	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Carbon disulfide	5.0	U	0.20	5.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Acetone	10	U	1.8	10	1.00000	ug/L	137371		12/16/04 1428	jdj
	Methylene chloride	1.5	U	0.35	1.5	1.00000	ug/L	137371		12/16/04 1428	jdj
	trans-1,2-Dichloroethene	1.0	U	0.14	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	1,1-Dichloroethane	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	cis-1,2-Dichloroethene	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	2-Butanone (MEK)	10	U	1.2	10	1.00000	ug/L	137371		12/16/04 1428	jdj
	Bromochloromethane	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Chloroform	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	1,1,1-Trichloroethane	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Carbon tetrachloride	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Benzene	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	1,2-Dichloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Trichloroethene	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	1,2-Dichloropropane	1.0	U	0.12	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Bromodichloromethane	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	cis-1,3-Dichloropropene	1.0	U	0.12	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	4-Methyl-2-pentanone (MIBK)	10	U	0.65	10	1.00000	ug/L	137371		12/16/04 1428	jdj
	Toluene	1.0	U	0.10	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	trans-1,3-Dichloropropene	1.0	U	0.15	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	1,1,2-Trichloroethane	1.0	U	0.15	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	Tetrachloroethene	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1428	jdj
	2-Hexanone	10	U	0.53	10	1.00000	ug/L	137371		12/16/04 1428	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/18/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-002-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-4
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	137371		12/16/04 1428	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-002-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-4
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	137849		12/14/04 1756	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	137849		12/14/04 1756	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	137849		12/14/04 1756	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.64	20	1.00000	ug/L	137849		12/14/04 1756	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	137849		12/14/04 1756	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-002-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-4
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	137849		12/14/04 1756	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	137849		12/14/04 1756	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	137849		12/14/04 1756	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	137849		12/14/04 1756	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	137849		12/14/04 1756	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	137849		12/14/04 1756	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	137849		12/14/04 1756	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	137849		12/14/04 1756	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-002-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-4
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	137849		12/14/04 1756	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	137849		12/14/04 1756	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	137849		12/14/04 1756	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	137849		12/14/04 1756	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	137849		12/14/04 1756	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	137849		12/14/04 1756	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	137849		12/14/04 1756	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	137849		12/14/04 1756	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	137849		12/14/04 1756	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MCM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-002-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 11:45 Sample Matrix.....: Water			Laboratory Sample ID: 232540-4 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.36	U		0.078	0.36	1.00000	ug/L	137759		12/16/04 0749	bdw
	RDX	0.23	U		0.074	0.23	1.00000	ug/L	137759		12/16/04 0749	bdw
	1,3,5-Trinitrobenzene	0.23	U		0.067	0.23	1.00000	ug/L	137759		12/16/04 0749	bdw
	1,3-Dinitrobenzene	0.23	U		0.063	0.23	1.00000	ug/L	137759		12/16/04 0749	bdw
	Nitrobenzene	0.18	U		0.051	0.18	1.00000	ug/L	137759		12/16/04 0749	bdw
	2,4,6-TNT	0.29	U		0.090	0.29	1.00000	ug/L	137759		12/16/04 0749	bdw
	Tetryl	0.90	U		0.19	0.90	1.00000	ug/L	137759		12/16/04 0749	bdw
	2,4-Dinitrotoluene	0.41	U		0.14	0.41	1.00000	ug/L	137759		12/16/04 0749	bdw
	2,6-Dinitrotoluene	0.49	U		0.16	0.49	1.00000	ug/L	137759		12/16/04 0749	bdw
	2-Amino-4,6-Dinitrotoluene	0.41	U		0.14	0.41	1.00000	ug/L	137759		12/16/04 0749	bdw
	4-Amino-2,6-Dinitrotoluene	0.38	U		0.13	0.38	1.00000	ug/L	137759		12/16/04 0749	bdw
	2-Nitrotoluene	0.36	U		0.11	0.36	1.00000	ug/L	137759		12/16/04 0749	bdw
	4-Nitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137759		12/16/04 0749	bdw
	3-Nitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137759		12/16/04 0749	bdw
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.2	U		0.17	1.2	1.00000	ug/L	137697		12/10/04 0603	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-002-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L080382-002 Work Order #...: G0KGL1AC Matrix.....: WATER
Date Sampled...: 12/07/04 11:45 Date Received...: 12/08/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-002-SW

General Chemistry

Lot-Sample #...: G4L080382-002
Date Sampled...: 12/07/04

Work Order #...: G0KGL
Date Received...: 12/08/04

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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 01/03/2005			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-003-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 13:15 Sample Matrix.....: Water			Laboratory Sample ID: 232540-14 Date Received.....: 12/08/2004 Time Received.....: 09:30								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U	2.5	7.5	1	ug/L	137013		12/13/04 1450	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U	0.51	2.0	1	ug/L	136999		12/13/04 2021	daj
7421	Lead (GFAA) Lead	2.4	B	0.79	3.0	1	ug/L	137235		12/16/04 0617	daj
7841	Thallium (GFAA) Thallium	4.0	U	1.3	4.0	1	ug/L	137028		12/13/04 1715	daj
7470A	Mercury (CVAA) Mercury	0.20	U	0.063	0.20	1	ug/L	137472		12/17/04 1408	gok
6010B	Metals Analysis (ICAP Trace)										
	Aluminum	490		24	150	1	ug/L	137992		12/22/04 1448	lmr
	Barium	35		1.3	10	1	ug/L	137992		12/22/04 1448	lmr
	Beryllium	2.0	U	0.25	2.0	1	ug/L	137992		12/22/04 1448	lmr
	Cadmium	2.0	U	0.25	2.0	1	ug/L	137992		12/22/04 1448	lmr
	Calcium	27000		9.5	100	1	ug/L	137992		12/22/04 1448	lmr
	Chromium	1.1	B	1.1	10	1	ug/L	137992		12/22/04 1448	lmr
	Cobalt	5.0	U	0.80	5.0	1	ug/L	137992		12/22/04 1448	lmr
	Copper	2.6	B	2.2	10	1	ug/L	137992		12/22/04 1448	lmc
	Iron	820		38	120	1	ug/L	138123		12/28/04 0332	lmr
	Magnesium	3600		8.1	100	1	ug/L	137992		12/22/04 1448	lmr
	Manganese	130		0.41	10	1	ug/L	137992		12/22/04 1448	lmr
	Nickel	2.1	B	1.0	10	1	ug/L	137992		12/22/04 1448	lmr
	Potassium	1600		66	500	1	ug/L	137992		12/22/04 1448	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS					Date: 01/03/2005					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-003-SW			Laboratory Sample ID: 232540-14									
Date Sampled.....: 12/07/2004			Date Received.....: 12/08/2004									
Time Sampled.....: 13:15			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
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1448	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1448	Lmr
	Sodium	1200	B		490	1500	1	ug/L	137992		12/22/04 1448	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1448	Lmr
	Zinc	16	B		1.6	30	1	ug/L	137992		12/22/04 1448	Lmr

* In Description = Dry Wgt.

Page 23

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVRAP 14 ADDS

ATTN: Eric Elits

Customer Sample ID: ASYsw-003-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 13:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-14
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	beta-BHC	0.095	U		0.027	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	delta-BHC	0.095	U		0.024	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	Aldrin	0.095	U		0.027	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	Endosulfan I	0.095	U		0.020	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	Dieldrin	0.095	U		0.017	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	4,4'-DDE	0.095	U		0.022	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	Endrin	0.095	U		0.016	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137782		12/17/04 2207	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	Methoxychlor	0.57	U		0.16	0.57	1.00000	ug/L	137782		12/17/04 2207	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	137782		12/17/04 2207	kdl
	gamma-Chlordane	0.095	U		0.016	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137782		12/17/04 2207	kdl
	Endrin ketone	0.095	U		0.028	0.095	1.00000	ug/L	137782		12/17/04 2207	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	137782		12/17/04 2207	kdl

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-003-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 13:15 Sample Matrix.....: Water			Laboratory Sample ID: 232540-14 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.57		U	0.17	0.57	1.00000	ug/L	137736		12/15/04 2159	bjt
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	137736		12/15/04 2159	bjt
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	137736		12/15/04 2159	bjt
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	137736		12/15/04 2159	bjt
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	137736		12/15/04 2159	bjt
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	137736		12/15/04 2159	bjt
	Aroclor 1260	0.57		U	0.16	0.57	1.00000	ug/L	137736		12/15/04 2159	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-003-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 13:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-14
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 1805	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 1805	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	2-Butanone (NEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 1805	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 1805	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 1805	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540 LABORATORY TEST RESULTS Date: 12/18/2004

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

Customer Sample ID: ASYsw-003-SW Laboratory Sample ID: 232540-14
 Date Sampled.....: 12/07/2004 Date Received.....: 12/08/2004
 Time Sampled.....: 13:15 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 1805	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: HCN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-003-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 13:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-14
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137849		12/14/04 2057	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	137849		12/14/04 2057	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	137849		12/14/04 2057	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137849		12/14/04 2057	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137849		12/14/04 2057	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-003-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 13:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-14
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	137849		12/14/04 2057	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137849		12/14/04 2057	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137849		12/14/04 2057	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	137849		12/14/04 2057	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137849		12/14/04 2057	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137849		12/14/04 2057	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	137849		12/14/04 2057	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	137849		12/14/04 2057	dpk

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-003-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 13:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-14
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	137849		12/14/04 2057	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137849		12/14/04 2057	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	137849		12/14/04 2057	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	137849		12/14/04 2057	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	137849		12/14/04 2057	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	137849		12/14/04 2057	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	137849		12/14/04 2057	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137849		12/14/04 2057	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	137849		12/14/04 2057	dpk

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-003-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 13:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-14
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.39	U		0.086	0.39	1.00000	ug/L	137759		12/16/04 1241	bdw
	RDX	0.25	U		0.081	0.25	1.00000	ug/L	137759		12/16/04 1241	bdw
	1,3,5-Trinitrobenzene	0.25	U		0.073	0.25	1.00000	ug/L	137759		12/16/04 1241	bdw
	1,3-Dinitrobenzene	0.25	U		0.070	0.25	1.00000	ug/L	137759		12/16/04 1241	bdw
	Nitrobenzene	0.20	U		0.056	0.20	1.00000	ug/L	137759		12/16/04 1241	bdw
	2,4,6-TNT	0.32	U		0.099	0.32	1.00000	ug/L	137759		12/16/04 1241	bdw
	Tetryl	0.99	U		0.21	0.99	1.00000	ug/L	137759		12/16/04 1241	bdw
	2,4-Dinitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	137759		12/16/04 1241	bdw
	2,6-Dinitrotoluene	0.54	U		0.18	0.54	1.00000	ug/L	137759		12/16/04 1241	bdw
	2-Amino-4,6-Dinitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	137759		12/16/04 1241	bdw
	4-Amino-2,6-Dinitrotoluene	0.42	U		0.14	0.42	1.00000	ug/L	137759		12/16/04 1241	bdw
	2-Nitrotoluene	0.39	U		0.12	0.39	1.00000	ug/L	137759		12/16/04 1241	bdw
	4-Nitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137759		12/16/04 1241	bdw
3-Nitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137759		12/16/04 1241	bdw	
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.3	U		0.19	1.3	1.00000	ug/L	137697		12/10/04 0936	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-003-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L080382-006 Work Order #...: G0KG71AC Matrix.....: WATER
Date Sampled...: 12/07/04 13:15 Date Received...: 12/08/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-003-SW

General Chemistry

Lot-Sample #...: G4L080382-006
Date Sampled...: 12/07/04

Work Order #...: G0KG7
Date Received...: 12/08/04

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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS					Date: 01/03/2005					
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-004-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-5 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	137013		12/13/04 1259	daj
7060A	Arsenic (GFAA) Arsenic	0.56	B		0.51	2.0	1	ug/L	136999		12/13/04 1846	daj
7421	Lead (GFAA) Lead	1.7	B		0.79	3.0	1	ug/L	137235		12/16/04 0434	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	137028		12/13/04 1508	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137472		12/17/04 1347	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	440			24	150	1	ug/L	137992		12/22/04 1331	Lmr
	Barium	30			1.3	10	1	ug/L	137992		12/22/04 1331	Lmr
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1331	Lmr
	Cadmium	0.25	B		0.25	2.0	1	ug/L	137992		12/22/04 1331	Lmr
	Calcium	21000			9.5	100	1	ug/L	137992		12/22/04 1331	Lmr
	Chromium	1.1	B		1.1	10	1	ug/L	137992		12/22/04 1331	Lmr
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137992		12/22/04 1331	Lmr
	Copper	2.3	B		2.2	10	1	ug/L	137992		12/22/04 1331	Lmr
	Iron	940			38	120	1	ug/L	138123		12/28/04 0125	Lmr
	Magnesium	3200			8.1	100	1	ug/L	137992		12/22/04 1331	Lmr
	Manganese	100			0.41	10	1	ug/L	137992		12/22/04 1331	Lmr
	Nickel	2.3	B		1.0	10	1	ug/L	137992		12/22/04 1331	Lmr
	Potassium	1600			66	500	1	ug/L	137992		12/22/04 1331	Lmr

* In Description = Dry Wgt.

Page 6

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-004-SW			Laboratory Sample ID: 232540-5									
Date Sampled.....: 12/07/2004			Date Received.....: 12/08/2004									
Time Sampled.....: 10:30			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
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1331	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1331	Lmr
	Sodium	1200	B		490	1500	1	ug/L	137992		12/22/04 1331	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1331	Lmr
	Zinc	15	B		1.6	30	1	ug/L	137992		12/22/04 1331	Lmr

* In Description = Dry Wgt.

Page 7

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: HQT Engineers, Inc.

PROJECT: USACE RWAP 14 ADDS

ATTN: ERIC ELIS

Customer Sample ID: ASYsw-004-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-5
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	137782		12/17/04 1911	kdl
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	137782		12/17/04 1911	kdl
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	137782		12/17/04 1911	kdl
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	137782		12/17/04 1911	kdl
Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	137782		12/17/04 1911	kdl	
Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	137782		12/17/04 1911	kdl	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AODS				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-004-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-5 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	137736		12/15/04 1718	bjt
	Aroclor 1221	1.3	U		0.42	1.3	1.00000	ug/L	137736		12/15/04 1718	bjt
	Aroclor 1232	1.3	U		0.35	1.3	1.00000	ug/L	137736		12/15/04 1718	bjt
	Aroclor 1242	1.3	U		0.43	1.3	1.00000	ug/L	137736		12/15/04 1718	bjt
	Aroclor 1248	1.5	U		0.48	1.5	1.00000	ug/L	137736		12/15/04 1718	bjt
	Aroclor 1254	1.3	U		0.35	1.3	1.00000	ug/L	137736		12/15/04 1718	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	137736		12/15/04 1718	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE: RYARP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-5
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 1452	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 1452	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 1452	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 1452	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 1452	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540 LABORATORY TEST RESULTS Date: 12/18/2004

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

Customer Sample ID: ASYsw-004-SW Laboratory Sample ID: 232540-5
 Date Sampled.....: 12/07/2004 Date Received.....: 12/08/2004
 Time Sampled.....: 10:30 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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 1452	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540 Date: 12/22/2004

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

Customer Sample ID: ASYsw-004-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-5
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	5.0	U		0.35	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.43	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.35	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	137849		12/14/04 1821	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.28	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.50	U		0.080	0.50	1.00000	ug/L	137849		12/14/04 1821	dpk
	Hexachloroethane, Low Level Water	5.0	U		0.60	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.099	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	2-Chlorophenol, Low Level Water	5.0	U		0.12	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Nitrobenzene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.31	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Benzoic acid, Low Level Water	20	U		3.0	20	1.00000	ug/L	137849		12/14/04 1821	dpk
	Isophorone, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,4-Dimethylphenol, Low Level Water	9.9	U		1.3	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	Hexachlorobutadiene, Low Level Water	5.0	U		0.63	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Naphthalene, Low Level Water	0.99	U		0.16	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,4-Dichlorophenol, Low Level Water	9.9	U		0.90	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	4-Chloroaniline, Low Level Water	9.9	U		2.8	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,4,6-Trichlorophenol, Low Level Water	5.0	U		0.21	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.9	U		1.4	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.64	20	1.00000	ug/L	137849		12/14/04 1821	dpk
	2-Methylnaphthalene, Low Level Water	0.50	U		0.13	0.50	1.00000	ug/L	137849		12/14/04 1821	dpk
	2-Nitroaniline, Low Level Water	5.0	U		0.22	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.26	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232540					Date: 12/22/2004							
CUSTOMER: NKM Engineers, Inc.				PROJECT: USACE RYAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-004-SW					Laboratory Sample ID: 232540-5							
Date Sampled.....: 12/07/2004					Date Received.....: 12/08/2004							
Time Sampled.....: 10:30					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
	4-Chloro-3-methylphenol, Low Level Water	9.9	U		2.4	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,6-Dinitrotoluene, Low Level Water	0.50	U		0.11	0.50	1.00000	ug/L	137849		12/14/04 1821	dpk
	2-Nitrophenol, Low Level Water	9.9	U		0.81	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	3-Nitroaniline, Low Level Water	9.9	U		2.1	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.3	20	1.00000	ug/L	137849		12/14/04 1821	dpk
	Acenaphthylene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	2,4-Dinitrotoluene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	Acenaphthene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	4-Nitrophenol, Low Level Water	20	U		3.7	20	1.00000	ug/L	137849		12/14/04 1821	dpk
	Fluorene, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	4-Nitroaniline, Low Level Water	9.9	U		2.3	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	4-Bromophenyl phenyl ether, Low Level Water	5.0	U		0.19	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Hexachlorobenzene, Low Level Water	0.50	U		0.096	0.50	1.00000	ug/L	137849		12/14/04 1821	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	5.0	U		0.74	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Pentachlorophenol, Low Level Water	9.9	U		1.7	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.99	U		0.13	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	137849		12/14/04 1821	dpk
	Phenanthrene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	Anthracene, Low Level Water	0.99	U		0.15	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	Carbazole, Low Level Water	5.0	U		0.29	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Di-n-butyl phthalate, Low Level Water	5.0	U		0.36	5.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Fluoranthene, Low Level Water	0.99	U		0.14	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	Pyrene, Low Level Water	0.99	U		0.12	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.39	2.0	1.00000	ug/L	137849		12/14/04 1821	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.049	0.20	1.00000	ug/L	137849		12/14/04 1821	dpk
	Chrysene, Low Level Water	0.50	U		0.045	0.50	1.00000	ug/L	137849		12/14/04 1821	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKK Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-004-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-5 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	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	137849		12/14/04 1821	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.9	15	1.00000	ug/L	137849		12/14/04 1821	dpk
	Di-n-octyl phthalate, Low Level Water	9.9	U		2.5	9.9	1.00000	ug/L	137849		12/14/04 1821	dpk
	Benzo(b)fluoranthene, Low Level Water	0.40	U		0.066	0.40	1.00000	ug/L	137849		12/14/04 1821	dpk
	Benzo(k)fluoranthene, Low Level Water	0.40	U		0.071	0.40	1.00000	ug/L	137849		12/14/04 1821	dpk
	Benzo(a)pyrene, Low Level Water	0.40	U		0.083	0.40	1.00000	ug/L	137849		12/14/04 1821	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.40	U		0.085	0.40	1.00000	ug/L	137849		12/14/04 1821	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.40	U		0.13	0.40	1.00000	ug/L	137849		12/14/04 1821	dpk
	Benzo(ghi)perylene, Low Level Water	0.99	U		0.19	0.99	1.00000	ug/L	137849		12/14/04 1821	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS					Date: 12/21/2004					
CUSTOMER: MCM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-004-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-5 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	137759		12/16/04 0821	bdw
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137759		12/16/04 0821	bdw
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137759		12/16/04 0821	bdw
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137759		12/16/04 0821	bdw
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137759		12/16/04 0821	bdw
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137759		12/16/04 0821	bdw
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137759		12/16/04 0821	bdw
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137759		12/16/04 0821	bdw
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137759		12/16/04 0821	bdw
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137759		12/16/04 0821	bdw
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137759		12/16/04 0821	bdw
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137759		12/16/04 0821	bdw
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137759		12/16/04 0821	bdw
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137759		12/16/04 0821	bdw	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	137697		12/10/04 0638	bdw	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-004-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L080382-003 Work Order #...: G0KGP1AC
Date Sampled...: 12/07/04 10:30 Date Received...: 12/08/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-004-SW

General Chemistry

Lot-Sample #...: G4L080382-003
Date Sampled...: 12/07/04

Work Order #...: GOKGP
Date Received...: 12/08/04

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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 01/03/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-6
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/13/04 1348	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136999		12/13/04 1922	daj
7421	Lead (GFAA) Lead	1.4		B	0.79	3.0	1	ug/L	137235		12/16/04 0513	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 1612	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1359	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	430			24	150	1	ug/L	137992		12/22/04 1423	Lmr
	Barium	31			1.3	10	1	ug/L	137992		12/22/04 1423	Lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1423	Lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1423	Lmr
	Calcium	21000			9.5	100	1	ug/L	137992		12/22/04 1423	Lmr
	Chromium	1.4		B	1.1	10	1	ug/L	137992		12/22/04 1423	Lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137992		12/22/04 1423	Lmr
	Copper	2.5		B	2.2	10	1	ug/L	137992		12/22/04 1423	Lmr
	Iron	970			38	120	1	ug/L	138123		12/28/04 0307	Lmr
	Magnesium	3200			8.1	100	1	ug/L	137992		12/22/04 1423	Lmr
	Manganese	100			0.41	10	1	ug/L	137992		12/22/04 1423	Lmr
	Nickel	2.2		B	1.0	10	1	ug/L	137992		12/22/04 1423	Lmr
	Potassium	1600			66	500	1	ug/L	137992		12/22/04 1423	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS					Date: 01/03/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAMP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-004-DUP Date Sampled.....: 12/07/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-6 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1423	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1423	Lmr
	Sodium	1200	B		490	1500	1	ug/L	137992		12/22/04 1423	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1423	Lmr
	Zinc	15	B		1.6	30	1	ug/L	137992		12/22/04 1423	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-6
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	beta-BHC	0.097	U		0.027	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	delta-BHC	0.097	U		0.024	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	Aldrin	0.097	U		0.027	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	Endosulfan I	0.097	U		0.020	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	Dieldrin	0.097	U		0.017	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	4,4'-DDE	0.097	U		0.022	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	Endrin	0.097	U		0.017	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	137782		12/17/04 2026	kdl
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	Methoxychlor	0.58	U		0.17	0.58	1.00000	ug/L	137782		12/17/04 2026	kdl
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	137782		12/17/04 2026	kdl
	gamma-Chlordane	0.097	U		0.017	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	137782		12/17/04 2026	kdl
	Endrin ketone	0.097	U		0.028	0.097	1.00000	ug/L	137782		12/17/04 2026	kdl
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	137782		12/17/04 2026	kdl

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: RKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-6
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis										
	Aroclor 1016	0.58	U	0.17	0.58	1.00000	ug/L	137736		12/15/04 1903	bjt
	Aroclor 1221	1.3	U	0.41	1.3	1.00000	ug/L	137736		12/15/04 1903	bjt
	Aroclor 1232	1.3	U	0.34	1.3	1.00000	ug/L	137736		12/15/04 1903	bjt
	Aroclor 1242	1.3	U	0.42	1.3	1.00000	ug/L	137736		12/15/04 1903	bjt
	Aroclor 1248	1.5	U	0.47	1.5	1.00000	ug/L	137736		12/15/04 1903	bjt
	Aroclor 1254	1.3	U	0.34	1.3	1.00000	ug/L	137736		12/15/04 1903	bjt
	Aroclor 1260	0.58	U	0.17	0.58	1.00000	ug/L	137736		12/15/04 1903	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/18/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-6
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 1605	jdh
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 1605	jdh
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 1605	jdh
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 1605	jdh
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1605	jdh
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 1605	jdh

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/18/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric ELLIS

Customer Sample ID: ASYSW-004-DUP

Date Sampled.....: 12/07/2004

Time Sampled.....: 10:30

Sample Matrix.....: Water

Laboratory Sample ID: 232540-6

Date Received.....: 12/08/2004

Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 1605	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AODS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-6
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	137849		12/14/04 1939	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	137849		12/14/04 1939	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	137849		12/14/04 1939	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.64	20	1.00000	ug/L	137849		12/14/04 1939	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	137849		12/14/04 1939	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-6
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.8	U		2.4	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	137849		12/14/04 1939	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	137849		12/14/04 1939	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	137849		12/14/04 1939	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	137849		12/14/04 1939	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	137849		12/14/04 1939	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	137849		12/14/04 1939	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	137849		12/14/04 1939	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	137849		12/14/04 1939	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RYAMP 14 AOCs				ATTN: Eric Elfts					
Customer Sample ID: ASYsw-004-DUP Date Sampled.....: 12/07/2004 Time Sampled.....: 10:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-6 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	137849		12/14/04 1939	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	137849		12/14/04 1939	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	137849		12/14/04 1939	dpk
	Benzo(b)fluoranthene, Low Level Water	0.13	J		0.066	0.39	1.00000	ug/L	137849		12/14/04 1939	dpk
	Benzo(k)fluoranthene, Low Level Water	0.18	J		0.071	0.39	1.00000	ug/L	137849		12/14/04 1939	dpk
	Benzo(a)pyrene, Low Level Water	0.15	J		0.082	0.39	1.00000	ug/L	137849		12/14/04 1939	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.099	J		0.084	0.39	1.00000	ug/L	137849		12/14/04 1939	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	137849		12/14/04 1939	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	137849		12/14/04 1939	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-004-DUP
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 10:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-6
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	137759		12/16/04 0959	bdw
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137759		12/16/04 0959	bdw
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137759		12/16/04 0959	bdw
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137759		12/16/04 0959	bdw
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137759		12/16/04 0959	bdw
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137759		12/16/04 0959	bdw
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137759		12/16/04 0959	bdw
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137759		12/16/04 0959	bdw
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137759		12/16/04 0959	bdw
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137759		12/16/04 0959	bdw
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137759		12/16/04 0959	bdw
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137759		12/16/04 0959	bdw
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137759		12/16/04 0959	bdw
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137759		12/16/04 0959	bdw	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	137697		12/10/04 0825	bdw	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-004-DUP

Trace Level Organic Compounds

Lot-Sample #...: G4L080382-004 Work Order #...: G0KG01AC Matrix.....: WATER
Date Sampled...: 12/07/04 10:30 Date Received...: 12/08/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-004-DUP

General Chemistry

Lot-Sample #...: G4L080382-004
Date Sampled...: 12/07/04

Work Order #...: G0KGO
Date Received...: 12/08/04

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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADGS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-005-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-3
 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 0223	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1110	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137522		12/17/04 0535	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 2320	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1520	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	560			24	150	1	ug/L	138130		12/27/04 1313	lmr
	Barium	30			1.3	10	1	ug/L	138130		12/27/04 1313	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1313	lmr
	Cadmium	0.26		B	0.25	2.0	1	ug/L	138130		12/27/04 1313	lmr
	Calcium	46000			9.5	100	1	ug/L	138130		12/27/04 1313	lmr
	Chromium	1.6		B	1.1	10	1	ug/L	138130		12/27/04 1313	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1313	lmr
	Copper	2.4		B	2.2	10	1	ug/L	138130		12/27/04 1313	lmr
	Iron	910			38	120	1	ug/L	138130		12/27/04 1313	lmr
	Magnesium	4800			8.1	100	1	ug/L	138130		12/27/04 1313	lmr
	Manganese	26			0.41	10	1	ug/L	138130		12/27/04 1313	lmr
	Nickel	10		U	1.0	10	1	ug/L	138130		12/27/04 1313	lmr
	Potassium	2200			66	500	1	ug/L	138130		12/27/04 1313	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

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

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

Customer Sample ID: ASYsw-005-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-3
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	3.4	B		3.0	15	1	ug/L	138130		12/27/04 1313	Lmr
	Silver	1.1	B		0.72	10	1	ug/L	138130		12/27/04 1313	Lmr
	Sodium	1200	B		490	1500	1	ug/L	138130		12/27/04 1313	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	138130		12/27/04 1313	Lmr
	Zinc	14	B		1.6	30	1	ug/L	138130		12/27/04 1313	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642 Date: 12/27/2004

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

Customer Sample ID: ASYsw-005-SW
 Date Sampled: 12/09/2004
 Time Sampled: 10:00
 Sample Matrix: Water

Laboratory Sample ID: 232642-3
 Date Received: 12/10/2004
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	Endrin	0.096	U	*	0.016	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	138023		12/15/04 1820	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	138023		12/15/04 1820	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138023		12/15/04 1820	kdL
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	138023		12/15/04 1820	kdL
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	138023		12/15/04 1820	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138023		12/15/04 1820	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232642				Date: 12/27/2004								
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-005-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water						Laboratory Sample ID: 232642-3 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
8082	PCB Analysis											
	Aroclor 1016	0.58		U	0.17	0.58	1.00000	ug/L	138063		12/16/04 1341	pjg
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	138063		12/16/04 1341	pjg
	Aroclor 1232	1.2		U	0.34	1.2	1.00000	ug/L	138063		12/16/04 1341	pjg
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	138063		12/16/04 1341	pjg
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	138063		12/16/04 1341	pjg
	Aroclor 1254	1.2		U	0.34	1.2	1.00000	ug/L	138063		12/16/04 1341	pjg
	Aroclor 1260	0.58		U	0.16	0.58	1.00000	ug/L	138063		12/16/04 1341	pjg

* In Description = Dry Wgt.

SYL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RWAP 14-AOCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-005-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-3
 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 1941	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 1941	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 1941	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	cis-1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 1941	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 1941	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 1941	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 ACES				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-005-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:00 Sample Matrix.....: Water			Laboratory Sample ID: 232642-3 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 1941	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-005-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-3
 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	Semivolatiles Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	138078		12/20/04 0507	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	138078		12/20/04 0507	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	138078		12/20/04 0507	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Naphthalene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U	*	0.64	20	1.00000	ug/L	138078		12/20/04 0507	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	138078		12/20/04 0507	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric ELLIS

Customer Sample ID: ASYsw-005-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-3
 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	9.8	U		2.4	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U		0.11	0.49	1.00000	ug/L	138078		12/20/04 0507	dpk
	2-Nitrophenol, Low Level Water	9.8	U		0.80	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	3-Nitroaniline, Low Level Water	9.8	U		2.1	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	Dimethyl phthalate, Low Level Water	2.0	U		0.21	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,4-Dinitrophenol, Low Level Water	20	U		3.2	20	1.00000	ug/L	138078		12/20/04 0507	dpk
	Acenaphthylene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	Acenaphthene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	Dibenzofuran, Low Level Water	2.0	U		0.13	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	4-Nitrophenol, Low Level Water	20	U		3.6	20	1.00000	ug/L	138078		12/20/04 0507	dpk
	Fluorene, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	4-Nitroaniline, Low Level Water	9.8	U		2.3	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U		0.19	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Hexachlorobenzene, Low Level Water	0.49	U		0.095	0.49	1.00000	ug/L	138078		12/20/04 0507	dpk
	Diethyl phthalate, Low Level Water	2.0	U		0.15	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U		0.74	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Pentachlorophenol, Low Level Water	9.8	U		1.7	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U		0.13	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U		2.4	20	1.00000	ug/L	138078		12/20/04 0507	dpk
	Phenanthrene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	Anthracene, Low Level Water	0.98	U		0.15	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	Carbazole, Low Level Water	4.9	U		0.28	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U		0.35	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Fluoranthene, Low Level Water	0.98	U		0.14	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	Pyrene, Low Level Water	0.98	U		0.12	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U		0.38	2.0	1.00000	ug/L	138078		12/20/04 0507	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U		0.048	0.20	1.00000	ug/L	138078		12/20/04 0507	dpk
	Chrysene, Low Level Water	0.49	U		0.044	0.49	1.00000	ug/L	138078		12/20/04 0507	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-005-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-3
 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	4.9	U		0.71	4.9	1.00000	ug/L	138078		12/20/04 0507	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U	B	3.8	15	1.00000	ug/L	138078		12/20/04 0507	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	138078		12/20/04 0507	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	138078		12/20/04 0507	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	138078		12/20/04 0507	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	138078		12/20/04 0507	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	138078		12/20/04 0507	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	138078		12/20/04 0507	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	138078		12/20/04 0507	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-005-SW Date Sampled: 12/09/2004 Time Sampled: 10:00 Sample Matrix: Water			Laboratory Sample ID: 232642-3 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	0.36	U		0.079	0.36	1.00000	ug/L	137969		12/17/04 0715	san
	RDX	0.23	U		0.075	0.23	1.00000	ug/L	137969		12/17/04 0715	san
	1,3,5-Trinitrobenzene	0.23	U		0.068	0.23	1.00000	ug/L	137969		12/17/04 0715	san
	1,3-Dinitrobenzene	0.23	U		0.064	0.23	1.00000	ug/L	137969		12/17/04 0715	san
	Nitrobenzene	0.19	U		0.051	0.19	1.00000	ug/L	137969		12/17/04 0715	san
	2,4,6-TNT	0.29	U		0.091	0.29	1.00000	ug/L	137969		12/17/04 0715	san
	Tetryl	0.91	U		0.19	0.91	1.00000	ug/L	137969		12/17/04 0715	san
	2,4-Dinitrotoluene	0.42	U		0.14	0.42	1.00000	ug/L	137969		12/17/04 0715	san
	2,6-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	137969		12/17/04 0715	san
	2-Amino-4,6-Dinitrotoluene	0.42	U		0.14	0.42	1.00000	ug/L	137969		12/17/04 0715	san
	4-Amino-2,6-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137969		12/17/04 0715	san
	2-Nitrotoluene	0.36	U		0.11	0.36	1.00000	ug/L	137969		12/17/04 0715	san
	4-Nitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0715	san
3-Nitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0715	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.2	U		0.18	1.2	1.00000	ug/L	137990		12/21/04 0549	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-005-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L100365-002 Work Order #...: G0RW21AC Matrix.....: WATER
Date Sampled...: 12/09/04 10:00 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 LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	20	ug/L	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: ASYsw-005-SW

General Chemistry

Lot-Sample #...: G4L100365-002
Date Sampled...: 12/09/04 10:00

Work Order #...: GORW2
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				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-006-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-1
 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 0158	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1034	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137522		12/16/04 1419	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 2243	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1516	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	430			24	150	1	ug/L	138130		12/27/04 1235	lmr
	Barium	33			1.3	10	1	ug/L	138130		12/27/04 1235	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1235	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1235	lmr
	Calcium	39000			9.5	100	1	ug/L	138130		12/27/04 1235	lmr
	Chromium	1.4		B	1.1	10	1	ug/L	138130		12/27/04 1235	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1235	lmr
	Copper	2.2		B	2.2	10	1	ug/L	138130		12/27/04 1235	lmr
	Iron	580			38	120	1	ug/L	138130		12/27/04 1235	lmr
	Magnesium	4600			8.1	100	1	ug/L	138130		12/27/04 1235	lmr
	Manganese	52			0.41	10	1	ug/L	138130		12/27/04 1235	lmr
	Nickel	1.8		B	1.0	10	1	ug/L	138130		12/27/04 1235	lmr
	Potassium	1700			66	500	1	ug/L	138130		12/27/04 1235	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RMAAP 14 AOCs				ATTN: Eric Elits					
Customer Sample ID: ASYaw-006-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232642-1 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	3.6	B		3.0	15	1	ug/L	138130		12/27/04 1235	Lmr
	Silver	0.85	B		0.72	10	1	ug/L	138130		12/27/04 1235	Lmr
	Sodium	1400	B		490	1500	1	ug/L	138130		12/27/04 1235	Lmr
	Vanadium	1.5	B		1.0	10	1	ug/L	138130		12/27/04 1235	Lmr
	Zinc	11	B		1.6	30	1	ug/L	138130		12/27/04 1235	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642 Date: 12/27/2004

CUSTOMER: MCM Engineers, Inc. ATTN: Eric Ellis

PROJECT: USACE RVAAP 14 AOCs

Customer Sample ID: ASYsw-006-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-1
 Date Received.....: 12/10/2004
 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	0.15	U		0.047	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	Endrin	0.099	U	*	0.017	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	138023		12/15/04 1729	kdI
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	138023		12/15/04 1729	kdI
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	138023		12/15/04 1729	kdI
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	138023		12/15/04 1729	kdI
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	138023		12/15/04 1729	kdI
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	138023		12/15/04 1729	kdI

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVRAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-006-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232642-1 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
8082	PCB Analysis											
	Aroclor 1016	0.59		U	0.18	0.59	1.00000	ug/L	138063		12/16/04 1252	pjg
	Aroclor 1221	1.3		U	0.42	1.3	1.00000	ug/L	138063		12/16/04 1252	pjg
	Aroclor 1232	1.3		U	0.35	1.3	1.00000	ug/L	138063		12/16/04 1252	pjg
	Aroclor 1242	1.3		U	0.43	1.3	1.00000	ug/L	138063		12/16/04 1252	pjg
	Aroclor 1248	1.5		U	0.48	1.5	1.00000	ug/L	138063		12/16/04 1252	pjg
	Aroclor 1254	1.3		U	0.35	1.3	1.00000	ug/L	138063		12/16/04 1252	pjg
	Aroclor 1260	0.59		U	0.17	0.59	1.00000	ug/L	138063		12/16/04 1252	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232642								Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-006-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water						Laboratory Sample ID: 232642-1 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 1853	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 1853	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 1853	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 1853	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 1853	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 1853	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-006-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-1
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U	0.060	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,2-Dibromoethane (EDB)	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Chlorobenzene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Ethylbenzene	1.0	U	0.070	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	m&p-Xylenes	2.0	U	0.18	2.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	o-Xylene	1.0	U	0.080	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Styrene	1.0	U	0.13	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Bromoform	1.0	U	0.11	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	1,2-Dichloroethene (total)	1.0	U	0.23	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj
	Xylenes (total)	1.0	U	0.28	1.0	1.00000	ug/L	137371		12/16/04 1853	jdj

* In Description = Dry Mgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: ERIC ELLIS

Customer Sample ID: ASYsw-006-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-1
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138078		12/20/04 0422	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	138078		12/20/04 0422	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138078		12/20/04 0422	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.62	19	1.00000	ug/L	138078		12/20/04 0422	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	138078		12/20/04 0422	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCS

ATTN: Eric Ellis

Customer Sample ID: ASYSW-006-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-1
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	138078		12/20/04 0422	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	138078		12/20/04 0422	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	138078		12/20/04 0422	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	138078		12/20/04 0422	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138078		12/20/04 0422	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	138078		12/20/04 0422	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	138078		12/20/04 0422	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	138078		12/20/04 0422	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-006-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 10:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-1
 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	4.8	U		0.69	4.8	1.00000	ug/L	138078		12/20/04 0422	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U	B	3.7	14	1.00000	ug/L	138078		12/20/04 0422	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	138078		12/20/04 0422	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	138078		12/20/04 0422	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	138078		12/20/04 0422	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	138078		12/20/04 0422	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	138078		12/20/04 0422	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	138078		12/20/04 0422	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	138078		12/20/04 0422	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-006-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 10:45 Sample Matrix.....: Water			Laboratory Sample ID: 232642-1 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	REL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.43	U		0.095	0.43	1.00000	ug/L	137969		12/17/04 0610	san
	RDX	0.28	U		0.090	0.28	1.00000	ug/L	137969		12/17/04 0610	san
	1,3,5-Trinitrobenzene	0.28	U		0.081	0.28	1.00000	ug/L	137969		12/17/04 0610	san
	1,3-Dinitrobenzene	0.28	U		0.077	0.28	1.00000	ug/L	137969		12/17/04 0610	san
	Nitrobenzene	0.22	U		0.062	0.22	1.00000	ug/L	137969		12/17/04 0610	san
	2,4,6-TNT	0.35	U		0.11	0.35	1.00000	ug/L	137969		12/17/04 0610	san
	Tetryl	1.1	U		0.23	1.1	1.00000	ug/L	137969		12/17/04 0610	san
	2,4-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	137969		12/17/04 0610	san
	2,6-Dinitrotoluene	0.60	U		0.20	0.60	1.00000	ug/L	137969		12/17/04 0610	san
	2-Amino-4,6-Dinitrotoluene	0.50	U		0.17	0.50	1.00000	ug/L	137969		12/17/04 0610	san
	4-Amino-2,6-Dinitrotoluene	0.46	U		0.16	0.46	1.00000	ug/L	137969		12/17/04 0610	san
	2-Nitrotoluene	0.43	U		0.13	0.43	1.00000	ug/L	137969		12/17/04 0610	san
	4-Nitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137969		12/17/04 0610	san
	3-Nitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137969		12/17/04 0610	san
8332M	NG/PETM by 8332M (HPLC)											
Nitroglycerine	1.4	U		0.21	1.4	1.00000	ug/L	137990		12/21/04 0438	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-006-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L100365-003 Work Order #...: GORXG1AC
Date Sampled...: 12/09/04 10:45 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</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	20	ug/L	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: ASYsw-006-SW

General Chemistry

Lot-Sample #...: G4L100365-003
Date Sampled...: 12/09/04 10:45

Work Order #...: GORXG
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				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/28/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYaw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-2
 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 0210	dej
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137101		12/14/04 1046	dej
7421	Lead (GFAA) Lead	1.0		B	0.79	3.0	1	ug/L	137522		12/16/04 1432	dej
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 2308	dej
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1518	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	570			24	150	1	ug/L	138130		12/27/04 1307	lmr
	Barium	30			1.3	10	1	ug/L	138130		12/27/04 1307	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1307	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1307	lmr
	Calcium	40000			9.5	100	1	ug/L	138130		12/27/04 1307	lmr
	Chromium	1.7		B	1.1	10	1	ug/L	138130		12/27/04 1307	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1307	lmr
	Copper	10		U	2.2	10	1	ug/L	138130		12/27/04 1307	lmr
	Iron	770			38	120	1	ug/L	138130		12/27/04 1307	lmr
	Magnesium	4500			8.1	100	1	ug/L	138130		12/27/04 1307	lmr
	Manganese	45			0.41	10	1	ug/L	138130		12/27/04 1307	lmr
	Nickel	1.5		B	1.0	10	1	ug/L	138130		12/27/04 1307	lmr
	Potassium	2000			66	500	1	ug/L	138130		12/27/04 1307	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-007-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232642-2 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	3.0	15	1	ug/L	138130		12/27/04 1307	Lmr
	Silver	1.0		B	0.72	10	1	ug/L	138130		12/27/04 1307	Lmr
	Sodium	1100		B	490	1500	1	ug/L	138130		12/27/04 1307	Lmr
	Vanadium	1.2		B	1.0	10	1	ug/L	138130		12/27/04 1307	Lmr
	Zinc	11		B	1.6	30	1	ug/L	138130		12/27/04 1307	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

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

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

Customer Sample ID: ASYsw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-2
 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 1754	kdl
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 1754	kdl
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	138023		12/15/04 1754	kdl
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	138023		12/15/04 1754	kdl
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	Endrin	0.096	U	*	0.016	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	138023		12/15/04 1754	kdl
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	138023		12/15/04 1754	kdl
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	138023		12/15/04 1754	kdl
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	138023		12/15/04 1754	kdl
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	138023		12/15/04 1754	kdl
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	138023		12/15/04 1754	kdl
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	138023		12/15/04 1754	kdl
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	138023		12/15/04 1754	kdl
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	138023		12/15/04 1754	kdl

* 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: ASYsw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-2
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58		U	0.17	0.58	1.00000	ug/L	138063		12/16/04 1317	pjg
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	138063		12/16/04 1317	pjg
	Aroclor 1232	1.2		U	0.34	1.2	1.00000	ug/L	138063		12/16/04 1317	pjg
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	138063		12/16/04 1317	pjg
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	138063		12/16/04 1317	pjg
	Aroclor 1254	1.2		U	0.34	1.2	1.00000	ug/L	138063		12/16/04 1317	pjg
	Aroclor 1260	0.58		U	0.16	0.58	1.00000	ug/L	138063		12/16/04 1317	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/22/2004

CUSTOMER: MCM Engineers, Inc.

PROJECT: USACE RVAAP 14 AQCS

ATTN: Eric Elliott

Customer Sample ID: ASYsw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-2
 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
82608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 1917	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 1917	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	cis-1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 1917	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 1917	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 1917	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-007-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232642-2 Date Received.....: 12/10/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 1917	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RWAP TA AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-2
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	138078		12/20/04 0445	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	138078		12/20/04 0445	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	138078		12/20/04 0445	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.62	19	1.00000	ug/L	138078		12/20/04 0445	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	138078		12/20/04 0445	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-2
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	138078		12/20/04 0445	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	138078		12/20/04 0445	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	138078		12/20/04 0445	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	138078		12/20/04 0445	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	138078		12/20/04 0445	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	138078		12/20/04 0445	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	138078		12/20/04 0445	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	138078		12/20/04 0445	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232642		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-007-SW Date Sampled.....: 12/09/2004 Time Sampled.....: 11:15 Sample Matrix.....: Water			Laboratory Sample ID: 232642-2 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	4.8	U		0.69	4.8	1.00000	ug/L	138078		12/20/04 0445	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U	B	3.7	14	1.00000	ug/L	138078		12/20/04 0445	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	138078		12/20/04 0445	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	138078		12/20/04 0445	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	138078		12/20/04 0445	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	138078		12/20/04 0445	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	138078		12/20/04 0445	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	138078		12/20/04 0445	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	138078		12/20/04 0445	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232642

Date: 12/27/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-007-SW
 Date Sampled.....: 12/09/2004
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 232642-2
 Date Received.....: 12/10/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	137969		12/17/04 0643	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137969		12/17/04 0643	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137969		12/17/04 0643	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137969		12/17/04 0643	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137969		12/17/04 0643	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137969		12/17/04 0643	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137969		12/17/04 0643	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0643	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137969		12/17/04 0643	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137969		12/17/04 0643	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137969		12/17/04 0643	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137969		12/17/04 0643	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137969		12/17/04 0643	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137969		12/17/04 0643	san
8332M	NG/PETN by 8332M (HPLC) Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	137990		12/21/04 0514	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-007-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L100365-001 Work Order #...: GORWT1AC Matrix.....: WATER
Date Sampled...: 12/09/04 11:15 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 LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Nitroguanidine	ND	20	ug/L	NONE UV/HPLC per

STL CHICAGO

Client Sample ID: ASYsw-007-SW

General Chemistry

Lot-Sample #...: G4L100365-001 Work Order #...: GORWT Matrix.....: WATER
Date Sampled...: 12/09/04 11:15 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	MCAW 353.2	12/21-12/22/04	4356659
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol...: 40 mL	
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYANP 14 AOGS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-008-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	137013		12/14/04 0021	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	136999		12/13/04 2310	daj
7421	Lead (GFAA) Lead	1.4	B		0.79	3.0	1	ug/L	137235		12/16/04 0917	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	137028		12/13/04 2025	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137472		12/17/04 1434	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	600			24	150	1	ug/L	137992		12/22/04 1741	lmr
	Barium	31			1.3	10	1	ug/L	137992		12/22/04 1741	lmr
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1741	lmr
	Cadmium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1741	lmr
	Calcium	36000			9.5	100	1	ug/L	137992		12/22/04 1741	lmr
	Chromium	1.7	B		1.1	10	1	ug/L	137992		12/22/04 1741	lmr
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137992		12/22/04 1741	lmr
	Copper	2.2	B		2.2	10	1	ug/L	137992		12/22/04 1741	lmr
	Iron	870			38	120	1	ug/L	138123		12/28/04 0452	lmr
	Magnesium	4000			8.1	100	1	ug/L	137992		12/22/04 1741	lmr
	Manganese	33			0.41	10	1	ug/L	137992		12/22/04 1741	lmr
	Nickel	10	U		1.0	10	1	ug/L	137992		12/22/04 1741	lmr
	Potassium	2000			66	500	1	ug/L	137992		12/22/04 1741	lmr

* In Description = Dry Wgt.

Page 22

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS					Date: 01/04/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-008-SW			Laboratory Sample ID: 232603-12			Date Sampled.....: 12/08/2004			Date Received.....: 12/09/2004			
Time Sampled.....: 14:15			Time Received.....: 10:00			Sample Matrix.....: Water						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
-	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1741	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1741	Lmr
	Sodium	1100	B		490	1500	1	ug/L	137992		12/22/04 1741	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1741	Lmr
	Zinc	11	B		1.6	30	1	ug/L	137992		12/22/04 1741	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USAGE RYAAP TA ADCS

ATTN: Eric Elliott

Customer Sample ID: ASYsw-008-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.045	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	beta-BHC	0.096	U		0.027	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	delta-BHC	0.096	U		0.024	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	gamma-BHC (Lindane)	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	Heptachlor	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	Aldrin	0.096	U		0.027	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	Heptachlor epoxide	0.14	U		0.035	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	Endosulfan I	0.096	U		0.020	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	Dieldrin	0.096	U		0.017	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	4,4'-DDE	0.096	U		0.022	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	Endrin	0.096	U		0.016	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	Endosulfan II	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	137888		12/16/04 1404	kdL
	Endosulfan sulfate	0.14	U		0.042	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	4,4'-DDT	0.14	U		0.047	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	Methoxychlor	0.58	U		0.16	0.58	1.00000	ug/L	137888		12/16/04 1404	kdL
	alpha-Chlordane	0.048	U		0.015	0.048	1.00000	ug/L	137888		12/16/04 1404	kdL
	gamma-Chlordane	0.096	U		0.016	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	Endrin aldehyde	0.14	U		0.034	0.14	1.00000	ug/L	137888		12/16/04 1404	kdL
	Endrin ketone	0.096	U		0.028	0.096	1.00000	ug/L	137888		12/16/04 1404	kdL
	Toxaphene	0.48	U		0.13	0.48	1.00000	ug/L	137888		12/16/04 1404	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 1A AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-008-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232603-12 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	Q/T	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.58		U	0.17	0.58	1.00000	ug/L	137899		12/15/04 0756	pjg
	Aroclor 1221	1.2		U	0.40	1.2	1.00000	ug/L	137899		12/15/04 0756	pjg
	Aroclor 1232	1.2		U	0.34	1.2	1.00000	ug/L	137899		12/15/04 0756	pjg
	Aroclor 1242	1.2		U	0.41	1.2	1.00000	ug/L	137899		12/15/04 0756	pjg
	Aroclor 1248	1.4		U	0.46	1.4	1.00000	ug/L	137899		12/15/04 0756	pjg
	Aroclor 1254	1.2		U	0.34	1.2	1.00000	ug/L	137899		12/15/04 0756	pjg
	Aroclor 1260	0.58		U	0.16	0.58	1.00000	ug/L	137899		12/15/04 0756	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: ASYSW-008-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
B2608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 2132	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 2132	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 2132	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 2132	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 2132	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-008-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 2132	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-008-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	137856		12/15/04 1916	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 1916	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	137856		12/15/04 1916	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	137856		12/15/04 1916	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	137856		12/15/04 1916	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1916	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	137856		12/15/04 1916	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	137856		12/15/04 1916	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	137856		12/15/04 1916	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1916	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	137856		12/15/04 1916	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	137856		12/15/04 1916	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137856		12/15/04 1916	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	137856		12/15/04 1916	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137856		12/15/04 1916	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137856		12/15/04 1916	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137856		12/15/04 1916	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1916	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RMAAP 16 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-008-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 14:15
 Sample Matrix.....: Water

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

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.0000	ug/L	137856		12/15/04 1916	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.0000	ug/L	137856		12/15/04 1916	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.0000	ug/L	137856		12/15/04 1916	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.0000	ug/L	137856		12/15/04 1916	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.0000	ug/L	137856		12/15/04 1916	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.0000	ug/L	137856		12/15/04 1916	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.0000	ug/L	137856		12/15/04 1916	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.0000	ug/L	137856		12/15/04 1916	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.0000	ug/L	137856		12/15/04 1916	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.0000	ug/L	137856		12/15/04 1916	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.0000	ug/L	137856		12/15/04 1916	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.0000	ug/L	137856		12/15/04 1916	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.0000	ug/L	137856		12/15/04 1916	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.0000	ug/L	137856		12/15/04 1916	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.0000	ug/L	137856		12/15/04 1916	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.0000	ug/L	137856		12/15/04 1916	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.0000	ug/L	137856		12/15/04 1916	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.0000	ug/L	137856		12/15/04 1916	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.0000	ug/L	137856		12/15/04 1916	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.0000	ug/L	137856		12/15/04 1916	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.0000	ug/L	137856		12/15/04 1916	dpk

* In Description = Dry Wgt.

Page 27

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: RKM Engineers, Inc.			PROJECT: USACE RMAAP 14 AGCS			ATTN: Eric Elliotts						
Customer Sample ID: ASYsw-008-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232603-12 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
	3,3-Dichlorobenzidine, Low Level Water	4.8	U	0.69	4.8	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U	3.7	14	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Di-n-octyl phthalate, Low Level Water	9.5	U	2.4	9.5	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Benzo(b)fluoranthene, Low Level Water	0.38	U	0.064	0.38	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Benzo(k)fluoranthene, Low Level Water	0.38	U	0.069	0.38	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Benzo(a)pyrene, Low Level Water	0.38	U	0.080	0.38	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U	0.082	0.38	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U	0.12	0.38	1.00000	ug/L	137856		12/15/04 1916	dpk	
	Benzo(ghi)perylene, Low Level Water	0.95	U	0.18	0.95	1.00000	ug/L	137856		12/15/04 1916	dpk	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS							Date: 12/22/2004			
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACES				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-008-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 14:15 Sample Matrix.....: Water			Laboratory Sample ID: 232603-12 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX	0.31	U		0.068	0.31	1.00000	ug/L	137848		12/17/04 0504	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137848		12/17/04 0504	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137848		12/17/04 0504	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137848		12/17/04 0504	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137848		12/17/04 0504	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137848		12/17/04 0504	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137848		12/17/04 0504	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137848		12/17/04 0504	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137848		12/17/04 0504	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137848		12/17/04 0504	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137848		12/17/04 0504	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137848		12/17/04 0504	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137848		12/17/04 0504	san
	3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137848		12/17/04 0504	san
8332M	MG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	137829		12/21/04 0105	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-008-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L090396-007 Work Order #...: GONTT1AC
Date Sampled...: 12/08/04 14:10 Date Received...: 12/09/04
Prep Date...: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL

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: ASYsw-008-SW

General Chemistry

Lot-Sample #...: G4L090396-007
Date Sampled...: 12/08/04

Work Order #...: GONTT
Date Received...: 12/09/04

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
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date:01/03/2005				
CUSTOMER: NKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-009-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 11:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-7 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/13/04 1400	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136999		12/13/04 1946	daj
7421	Lead (GFAA) Lead	1.4		B	0.79	3.0	1	ug/L	137235		12/16/04 0538	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137028		12/13/04 1625	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1401	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	450			24	150	1	ug/L	137992		12/22/04 1430	Lmr
	Barium	33			1.3	10	1	ug/L	137992		12/22/04 1430	Lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1430	Lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1430	Lmr
	Calcium	37000			9.5	100	1	ug/L	137992		12/22/04 1430	Lmr
	Chromium	1.2		B	1.1	10	1	ug/L	137992		12/22/04 1430	Lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137992		12/22/04 1430	Lmr
	Copper	10		U	2.2	10	1	ug/L	137992		12/22/04 1430	Lmr
	Iron	580			38	120	1	ug/L	138123		12/28/04 0313	Lmr
	Magnesium	4700			8.1	100	1	ug/L	137992		12/22/04 1430	Lmr
	Manganese	63			0.41	10	1	ug/L	137992		12/22/04 1430	Lmr
	Nickel	1.6		B	1.0	10	1	ug/L	137992		12/22/04 1430	Lmr
	Potassium	1500			66	500	1	ug/L	137992		12/22/04 1430	Lmr

* In Description = Dry Mgt.

Page 10

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 01/03/2005				
CUSTOMER: MKH Engineers, Inc.			PROJECT: USACE RVAMP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-009-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 11:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-7 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NOL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1430	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1430	Lmr
	Sodium	1600			490	1500	1	ug/L	137992		12/22/04 1430	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1430	Lmr
	Zinc	14	B		1.6	30	1	ug/L	137992		12/22/04 1430	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/21/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAMP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-009-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-7
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.044	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	beta-BHC	0.093	U		0.026	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	delta-BHC	0.093	U		0.023	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	gamma-BHC (Lindane)	0.14	U		0.039	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	Heptachlor	0.14	U		0.038	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	Aldrin	0.093	U		0.026	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	Heptachlor epoxide	0.14	U		0.034	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	Endosulfan I	0.093	U		0.020	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	Dieldrin	0.093	U		0.017	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	4,4'-DDE	0.093	U		0.021	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	Endrin	0.093	U		0.016	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	Endosulfan II	0.14	U		0.039	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	4,4'-DDD	0.10	U		0.034	0.10	1.00000	ug/L	137782		12/17/04 2051	kdL
	Endosulfan sulfate	0.14	U		0.041	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	4,4'-DDT	0.14	U		0.046	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	Methoxychlor	0.56	U		0.16	0.56	1.00000	ug/L	137782		12/17/04 2051	kdL
	alpha-Chlordane	0.047	U		0.015	0.047	1.00000	ug/L	137782		12/17/04 2051	kdL
	gamma-Chlordane	0.093	U		0.016	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	Endrin aldehyde	0.14	U		0.033	0.14	1.00000	ug/L	137782		12/17/04 2051	kdL
	Endrin ketone	0.093	U		0.027	0.093	1.00000	ug/L	137782		12/17/04 2051	kdL
	Toxaphene	0.47	U		0.13	0.47	1.00000	ug/L	137782		12/17/04 2051	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RMAAP TA ADCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-009-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 11:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-7 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.56	U		0.17	0.56	1.00000	ug/L	137736		12/15/04 1938	bjt
	Aroclor 1221	1.2	U		0.39	1.2	1.00000	ug/L	137736		12/15/04 1938	bjt
	Aroclor 1232	1.2	U		0.33	1.2	1.00000	ug/L	137736		12/15/04 1938	bjt
	Aroclor 1242	1.2	U		0.40	1.2	1.00000	ug/L	137736		12/15/04 1938	bjt
	Aroclor 1248	1.4	U		0.45	1.4	1.00000	ug/L	137736		12/15/04 1938	bjt
	Aroclor 1254	1.2	U		0.33	1.2	1.00000	ug/L	137736		12/15/04 1938	bjt
	Aroclor 1260	0.56	U		0.16	0.56	1.00000	ug/L	137736		12/15/04 1938	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540 Date: 12/18/2004

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

Customer Sample ID: ASYsw-009-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-7
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137371		12/16/04 1629	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137371		12/16/04 1629	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137371		12/16/04 1629	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137371		12/16/04 1629	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1629	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137371		12/16/04 1629	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS					Date: 12/18/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RYAAP 14 ACCS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-009-SW			Laboratory Sample ID: 232540-7			Date Sampled.....: 12/07/2004			Date Received.....: 12/08/2004			
Time Sampled.....: 11:30			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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137371		12/16/04 1629	jdn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-009-SW
 Date Sampled.....: 12/07/2004
 Time Sampled.....: 11:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232540-7
 Date Received.....: 12/08/2004
 Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.34	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137849		12/14/04 2005	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.078	0.48	1.00000	ug/L	137849		12/14/04 2005	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.59	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.096	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.12	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Nitrobenzene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	Benzoic acid, Low Level Water	19	U		2.9	19	1.00000	ug/L	137849		12/14/04 2005	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,4-Dimethylphenol, Low Level Water	9.6	U		1.2	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.62	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Naphthalene, Low Level Water	0.96	U		0.15	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,4-Dichlorophenol, Low Level Water	9.6	U		0.87	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	4-Chloroaniline, Low Level Water	9.6	U		2.7	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.6	U		1.3	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137849		12/14/04 2005	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137849		12/14/04 2005	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk

* In Description = Dry Wgt.

Job Number: 232540		LABORATORY TEST RESULTS							Date:12/22/2004			
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-009-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 11:30 Sample Matrix.....: Water				Laboratory Sample ID: 232540-7 Date Received.....: 12/08/2004 Time Received.....: 09:30								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.6	U		2.3	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.11	0.48	1.00000	ug/L	137849		12/14/04 2005	dpk
	2-Nitrophenol, Low Level Water	9.6	U		0.79	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	3-Nitroaniline, Low Level Water	9.6	U		2.0	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.2	19	1.00000	ug/L	137849		12/14/04 2005	dpk
	Acenaphthylene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	2,4-Dinitrotoluene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	Acenaphthene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	4-Nitrophenol, Low Level Water	19	U		3.6	19	1.00000	ug/L	137849		12/14/04 2005	dpk
	Fluorene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	4-Nitroaniline, Low Level Water	9.6	U		2.2	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.093	0.48	1.00000	ug/L	137849		12/14/04 2005	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.72	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Pentachlorophenol, Low Level Water	9.6	U		1.6	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137849		12/14/04 2005	dpk
	Phenanthrene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	Anthracene, Low Level Water	0.96	U		0.14	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.35	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Fluoranthene, Low Level Water	0.96	U		0.13	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	Pyrene, Low Level Water	0.96	U		0.12	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137849		12/14/04 2005	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	137849		12/14/04 2005	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	137849		12/14/04 2005	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232540 Date: 12/22/2004

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

Customer Sample ID: ASYsw-009-SW Laboratory Sample ID: 232540-7
 Date Sampled.....: 12/07/2004 Date Received.....: 12/08/2004
 Time Sampled.....: 11:30 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
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	137849		12/14/04 2005	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137849		12/14/04 2005	dpk
	Di-n-octyl phthalate, Low Level Water	9.6	U		2.4	9.6	1.00000	ug/L	137849		12/14/04 2005	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	137849		12/14/04 2005	dpk
	Benzo(k)fluoranthene, Low Level Water	0.12	J		0.069	0.38	1.00000	ug/L	137849		12/14/04 2005	dpk
	Benzo(a)pyrene, Low Level Water	0.10	J		0.081	0.38	1.00000	ug/L	137849		12/14/04 2005	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.083	0.38	1.00000	ug/L	137849		12/14/04 2005	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137849		12/14/04 2005	dpk
	Benzo(ghi)perylene, Low Level Water	0.96	U		0.18	0.96	1.00000	ug/L	137849		12/14/04 2005	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232540		LABORATORY TEST RESULTS						Date: 12/21/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP TA AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-009-SW Date Sampled.....: 12/07/2004 Time Sampled.....: 11:30 Sample Matrix.....: Water			Laboratory Sample ID: 232540-7 Date Received.....: 12/08/2004 Time Received.....: 09:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMx	0.33	U		0.073	0.33	1.00000	ug/L	137759		12/16/04 1031	bdw
	RDX	0.21	U		0.068	0.21	1.00000	ug/L	137759		12/16/04 1031	bdw
	1,3,5-Trinitrobenzene	0.21	U		0.062	0.21	1.00000	ug/L	137759		12/16/04 1031	bdw
	1,3-Dinitrobenzene	0.21	U		0.059	0.21	1.00000	ug/L	137759		12/16/04 1031	bdw
	Nitrobenzene	0.17	U		0.047	0.17	1.00000	ug/L	137759		12/16/04 1031	bdw
	2,4,6-TNT	0.27	U		0.083	0.27	1.00000	ug/L	137759		12/16/04 1031	bdw
	Tetryl	0.83	U		0.17	0.83	1.00000	ug/L	137759		12/16/04 1031	bdw
	2,4-Dinitrotoluene	0.38	U		0.13	0.38	1.00000	ug/L	137759		12/16/04 1031	bdw
	2,6-Dinitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	137759		12/16/04 1031	bdw
	2-Amino-4,6-Dinitrotoluene	0.38	U		0.13	0.38	1.00000	ug/L	137759		12/16/04 1031	bdw
	4-Amino-2,6-Dinitrotoluene	0.35	U		0.12	0.35	1.00000	ug/L	137759		12/16/04 1031	bdw
	2-Nitrotoluene	0.33	U		0.099	0.33	1.00000	ug/L	137759		12/16/04 1031	bdw
	4-Nitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137759		12/16/04 1031	bdw
3-Nitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137759		12/16/04 1031	bdw	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	0.18	J		0.16	1.1	1.00000	ug/L	137697		12/10/04 0900	bdw	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-009-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L080382-005 Work Order #...: G0KG21AC Matrix.....: WATER
Date Sampled...: 12/07/04 11:30 Date Received...: 12/08/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-009-SW

General Chemistry

Lot-Sample #...: G4L080382-005
Date Sampled...: 12/07/04

Work Order #...: G0KG2
Date Received...: 12/08/04

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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: PKM Engineers, Inc.

PROJECT: USACE RVAAP TA ADDS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-010-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-8
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U		2.5	7.5	1	ug/L	137113		12/14/04 1037	daj
7060A	Arsenic (GFAA) Arsenic	0.76	B		0.51	2.0	1	ug/L	136999		12/13/04 2258	daj
7421	Lead (GFAA) Lead	2.4	B		0.79	3.0	1	ug/L	137235		12/16/04 0904	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	137028		12/13/04 2013	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137472		12/17/04 1432	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	800			24	150	1	ug/L	137992		12/22/04 1735	lmr
	Barium	34			1.3	10	1	ug/L	137992		12/22/04 1735	lmr
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1735	lmr
	Cadmium	0.26	B		0.25	2.0	1	ug/L	137992		12/22/04 1735	lmr
	Calcium	41000			9.5	100	1	ug/L	137992		12/22/04 1735	lmr
	Chromium	1.5	B		1.1	10	1	ug/L	137992		12/22/04 1735	lmr
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137992		12/22/04 1735	lmr
	Copper	10	U		2.2	10	1	ug/L	137992		12/22/04 1735	lmr
	Iron	990			38	120	1	ug/L	138123		12/28/04 0446	lmr
	Magnesium	4500			8.1	100	1	ug/L	137992		12/22/04 1735	lmr
	Manganese	33			0.41	10	1	ug/L	137992		12/22/04 1735	lmr
	Nickel	10	U		1.0	10	1	ug/L	137992		12/22/04 1735	lmr
	Potassium	1800			66	500	1	ug/L	137992		12/22/04 1735	lmc

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS					Date: 01/04/2005					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-010-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:45 Sample Matrix.....: Water			Laboratory Sample ID: 232603-8 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1735	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1735	Lmr
	Sodium	1400	B		490	1500	1	ug/L	137992		12/22/04 1735	Lmr
	Vanadium	1.7	B		1.0	10	1	ug/L	137992		12/22/04 1735	Lmr
	Zinc	13	B		1.6	30	1	ug/L	137992		12/22/04 1735	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ADCS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-010-SW			Laboratory Sample ID: 232603-8									
Date Sampled.....: 12/08/2004			Date Received.....: 12/09/2004									
Time Sampled.....: 09:45			Time Received.....: 10:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.047	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	beta-BHC	0.099	U		0.028	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	delta-BHC	0.099	U		0.025	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	gamma-BHC (Lindane)	0.15	U		0.042	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	Heptachlor	0.15	U		0.041	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	Aldrin	0.099	U		0.028	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	Heptachlor epoxide	0.15	U		0.036	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	Endosulfan I	0.099	U		0.021	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	Dieldrin	0.099	U		0.018	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	4,4'-DDE	0.099	U		0.023	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	Endrin	0.099	U		0.017	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	Endosulfan II	0.15	U		0.042	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	4,4'-DDD	0.11	U		0.036	0.11	1.00000	ug/L	137888		12/16/04 1339	kdL
	Endosulfan sulfate	0.15	U		0.044	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	4,4'-DDT	0.15	U		0.049	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	137888		12/16/04 1339	kdL
	alpha-Chlordane	0.050	U		0.016	0.050	1.00000	ug/L	137888		12/16/04 1339	kdL
	gamma-Chlordane	0.099	U		0.017	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	Endrin aldehyde	0.15	U		0.035	0.15	1.00000	ug/L	137888		12/16/04 1339	kdL
	Endrin ketone	0.099	U		0.029	0.099	1.00000	ug/L	137888		12/16/04 1339	kdL
	Toxaphene	0.50	U		0.14	0.50	1.00000	ug/L	137888		12/16/04 1339	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603 Date: 12/22/2004

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

Customer Sample ID: ASYsw-010-SW Laboratory Sample ID: 232603-8
 Date Sampled.....: 12/08/2004 Date Received.....: 12/09/2004
 Time Sampled.....: 09:45 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59		U	0.18	0.59	1.00000	ug/L	137899		12/15/04 0721	pjg
	Aroclor 1221	1.3		U	0.42	1.3	1.00000	ug/L	137899		12/15/04 0721	pjg
	Aroclor 1232	1.3		U	0.35	1.3	1.00000	ug/L	137899		12/15/04 0721	pjg
	Aroclor 1242	1.3		U	0.43	1.3	1.00000	ug/L	137899		12/15/04 0721	pjg
	Aroclor 1248	1.5		U	0.48	1.5	1.00000	ug/L	137899		12/15/04 0721	pjg
	Aroclor 1254	1.3		U	0.35	1.3	1.00000	ug/L	137899		12/15/04 0721	pjg
	Aroclor 1260	0.59		U	0.17	0.59	1.00000	ug/L	137899		12/15/04 0721	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACDS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-010-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-8
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 2048	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 2048	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 2048	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 2048	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 2048	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKH Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-010-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-8
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	m,p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 2048	jdj

* In Description = Dry Wgt.

Page 16

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-010-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-8
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.7	U		0.33	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.28	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 1850	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.47	U		0.076	0.47	1.00000	ug/L	137856		12/15/04 1850	dpk
	Hexachloroethane, Low Level Water	4.7	U		0.58	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.094	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	2-Chlorophenol, Low Level Water	4.7	U		0.11	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Nitrobenzene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	Benzoic acid, Low Level Water	19	U	*	2.8	19	1.00000	ug/L	137856		12/15/04 1850	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,4-Dimethylphenol, Low Level Water	9.4	U		1.2	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	Hexachlorobutadiene, Low Level Water	4.7	U		0.60	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Naphthalene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,4-Dichlorophenol, Low Level Water	9.4	U		0.86	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	4-Chloroaniline, Low Level Water	9.4	U		2.6	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.7	U		0.20	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.4	U		1.3	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.61	19	1.00000	ug/L	137856		12/15/04 1850	dpk
	2-Methylnaphthalene, Low Level Water	0.47	U		0.12	0.47	1.00000	ug/L	137856		12/15/04 1850	dpk
	2-Nitroaniline, Low Level Water	4.7	U		0.21	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk

* In Description = Dry Wgt.

Page 23

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-010-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-8
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.4	U		2.3	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,6-Dinitrotoluene, Low Level Water	0.47	U		0.10	0.47	1.00000	ug/L	137856		12/15/04 1850	dpk
	2-Nitrophenol, Low Level Water	9.4	U		0.77	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	3-Nitroaniline, Low Level Water	9.4	U		2.0	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137856		12/15/04 1850	dpk
	Acenaphthylene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	2,4-Dinitrotoluene, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	Acenaphthene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137856		12/15/04 1850	dpk
	Fluorene, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	4-Nitroaniline, Low Level Water	9.4	U		2.2	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.7	U		0.18	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Hexachlorobenzene, Low Level Water	0.47	U		0.092	0.47	1.00000	ug/L	137856		12/15/04 1850	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.7	U		0.71	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Pentachlorophenol, Low Level Water	9.4	U		1.6	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 1850	dpk
	Phenanthrene, Low Level Water	0.94	U		0.13	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	Anthracene, Low Level Water	0.94	U		0.14	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	Carbazole, Low Level Water	4.7	U		0.27	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Di-n-butyl phthalate, Low Level Water	4.7	U		0.34	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Fluoranthene, Low Level Water	0.94	U		0.13	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	Pyrene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137856		12/15/04 1850	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.046	0.19	1.00000	ug/L	137856		12/15/04 1850	dpk
	Chrysene, Low Level Water	0.47	U		0.042	0.47	1.00000	ug/L	137856		12/15/04 1850	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RYANP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-010-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-8
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.7	U	0.68	4.7	1.00000	ug/L	137856		12/15/04 1850	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U	3.7	14	1.00000	ug/L	137856		12/15/04 1850	dpk
	Di-n-octyl phthalate, Low Level Water	9.4	U	2.4	9.4	1.00000	ug/L	137856		12/15/04 1850	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U	0.063	0.38	1.00000	ug/L	137856		12/15/04 1850	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U	0.068	0.38	1.00000	ug/L	137856		12/15/04 1850	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U	0.079	0.38	1.00000	ug/L	137856		12/15/04 1850	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U	0.081	0.38	1.00000	ug/L	137856		12/15/04 1850	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U	0.12	0.38	1.00000	ug/L	137856		12/15/04 1850	dpk
	Benzo(ghi)perylene, Low Level Water	0.94	U	0.18	0.94	1.00000	ug/L	137856		12/15/04 1850	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-D10-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:45
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-8
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.31	U		0.068	0.31	1.00000	ug/L	137848		12/17/04 0431	san
	RDX	0.20	U		0.064	0.20	1.00000	ug/L	137848		12/17/04 0431	san
	1,3,5-Trinitrobenzene	0.20	U		0.058	0.20	1.00000	ug/L	137848		12/17/04 0431	san
	1,3-Dinitrobenzene	0.20	U		0.055	0.20	1.00000	ug/L	137848		12/17/04 0431	san
	Nitrobenzene	0.16	U		0.044	0.16	1.00000	ug/L	137848		12/17/04 0431	san
	2,4,6-TNT	0.25	U		0.078	0.25	1.00000	ug/L	137848		12/17/04 0431	san
	Tetryl	0.78	U		0.16	0.78	1.00000	ug/L	137848		12/17/04 0431	san
	2,4-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137848		12/17/04 0431	san
	2,6-Dinitrotoluene	0.43	U		0.14	0.43	1.00000	ug/L	137848		12/17/04 0431	san
	2-Amino-4,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137848		12/17/04 0431	san
	4-Amino-2,6-Dinitrotoluene	0.33	U		0.11	0.33	1.00000	ug/L	137848		12/17/04 0431	san
	2-Nitrotoluene	0.31	U		0.093	0.31	1.00000	ug/L	137848		12/17/04 0431	san
	4-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137848		12/17/04 0431	san
3-Nitrotoluene	0.31	U		0.10	0.31	1.00000	ug/L	137848		12/17/04 0431	san	
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.0	U		0.15	1.0	1.00000	ug/L	137829		12/21/04 0030	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-010-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L090396-004 Work Order #...: GONTN1AC
Date Sampled...: 12/08/04 09:45 Date Received...: 12/09/04
Prep Date.....: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL

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: ASYsw-010-SW

General Chemistry

Lot-Sample #...: G4L090396-004
Date Sampled...: 12/08/04

Work Order #...: GONTN
Date Received...: 12/09/04

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
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-011-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water			Laboratory Sample ID: 232603-7 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/13/04 2357	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136999		12/13/04 2246	daj
7421	Lead (GFAA) Lead	1.7		B	0.79	3.0	1	ug/L	137235		12/16/04 0851	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137109		12/14/04 1150	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1430	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	560			24	150	1	ug/L	137992		12/22/04 1729	lmr
	Barium	36			1.3	10	1	ug/L	137992		12/22/04 1729	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1729	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1729	lmr
	Calcium	51000			9.5	100	1	ug/L	137992		12/22/04 1729	lmr
	Chromium	1.1		B	1.1	10	1	ug/L	137992		12/22/04 1729	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137992		12/22/04 1729	lmr
	Copper	3.1		B	2.2	10	1	ug/L	137992		12/22/04 1729	lmr
	Iron	720			38	120	1	ug/L	138123		12/28/04 0439	lmr
	Magnesium	5500			8.1	100	1	ug/L	137992		12/22/04 1729	lmr
	Manganese	25			0.41	10	1	ug/L	137992		12/22/04 1729	lmr
	Nickel	10		U	1.0	10	1	ug/L	137992		12/22/04 1729	lmr
	Potassium	2100			66	500	1	ug/L	137992		12/22/04 1729	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVRAP 14 AOC5				ATTN: ERIC ELLIS					
Customer Sample ID: ASYsw-011-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water			Laboratory Sample ID: 232603-7 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1729	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1729	Lmr
	Sodium	1200	B		490	1500	1	ug/L	137992		12/22/04 1729	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1729	Lmr
	Zinc	11	B		1.6	30	1	ug/L	137992		12/22/04 1729	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MCH Engineers, Inc.

PROJECT: USACE RWAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYSW-011-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-7
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.043	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	beta-BHC	0.091	U		0.025	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	delta-BHC	0.091	U		0.023	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	gamma-BHC (Lindane)	0.14	U		0.038	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	Heptachlor	0.14	U		0.037	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	Aldrin	0.091	U		0.025	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	Heptachlor epoxide	0.14	U		0.033	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	Endosulfan I	0.091	U		0.019	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	Dieldrin	0.091	U		0.016	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	4,4'-DDE	0.091	U		0.021	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	Endrin	0.091	U		0.015	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	Endosulfan II	0.14	U		0.038	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	4,4'-DDD	0.10	U		0.033	0.10	1.00000	ug/L	137888		12/16/04 1314	kdL
	Endosulfan sulfate	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	4,4'-DDT	0.14	U		0.045	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	Methoxychlor	0.55	U		0.15	0.55	1.00000	ug/L	137888		12/16/04 1314	kdL
	alpha-Chlordane	0.045	U		0.015	0.045	1.00000	ug/L	137888		12/16/04 1314	kdL
	gamma-Chlordane	0.091	U		0.015	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	Endrin aldehyde	0.14	U		0.032	0.14	1.00000	ug/L	137888		12/16/04 1314	kdL
	Endrin ketone	0.091	U		0.026	0.091	1.00000	ug/L	137888		12/16/04 1314	kdL
	Toxaphene	0.45	U		0.13	0.45	1.00000	ug/L	137888		12/16/04 1314	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKN Engineers, Inc.			PROJECT: USACE RVAAP 14 ADDS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-011-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:10 Sample Matrix.....: Water			Laboratory Sample ID: 232603-7 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.55	U		0.16	0.55	1.00000	ug/L	137899		12/15/04 0646	pjg
	Aroclor 1221	1.2	U		0.38	1.2	1.00000	ug/L	137899		12/15/04 0646	pjg
	Aroclor 1232	1.2	U		0.32	1.2	1.00000	ug/L	137899		12/15/04 0646	pjg
	Aroclor 1242	1.2	U		0.39	1.2	1.00000	ug/L	137899		12/15/04 0646	pjg
	Aroclor 1248	1.4	U		0.44	1.4	1.00000	ug/L	137899		12/15/04 0646	pjg
	Aroclor 1254	1.2	U		0.32	1.2	1.00000	ug/L	137899		12/15/04 0646	pjg
	Aroclor 1260	0.55	U		0.15	0.55	1.00000	ug/L	137899		12/15/04 0646	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RYAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-011-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-7
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	1,1-Dichloroethane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 2026	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 2026	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 2026	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 2026	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2026	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 2026	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVRAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-011-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-7
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 2026	jch
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 2026	jch
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 2026	jch

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: ERIC ELLIS

Customer Sample ID: ASYsw-011-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-7
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 1824	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	137856		12/15/04 1824	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	137856		12/15/04 1824	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137856		12/15/04 1824	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137856		12/15/04 1824	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk

* In Description = Dry Wgt.

Page 20

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-011-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-7
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	137856		12/15/04 1824	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137856		12/15/04 1824	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137856		12/15/04 1824	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	137856		12/15/04 1824	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 1824	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137856		12/15/04 1824	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	137856		12/15/04 1824	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	137856		12/15/04 1824	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKI Engineers, Inc.

PROJECT: USACE RYAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-011-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-7
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	137856		12/15/04 1824	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137856		12/15/04 1824	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	137856		12/15/04 1824	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	137856		12/15/04 1824	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	137856		12/15/04 1824	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	137856		12/15/04 1824	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	137856		12/15/04 1824	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137856		12/15/04 1824	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	137856		12/15/04 1824	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADES

ATTN: Eric Ellis

Customer Sample ID: ASYsw-011-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-7
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.39	U		0.084	0.39	1.00000	ug/L	137848		12/17/04 0359	san
	RDX	0.25	U		0.081	0.25	1.00000	ug/L	137848		12/17/04 0359	san
	1,3,5-Trinitrobenzene	0.25	U		0.073	0.25	1.00000	ug/L	137848		12/17/04 0359	san
	1,3-Dinitrobenzene	0.25	U		0.070	0.25	1.00000	ug/L	137848		12/17/04 0359	san
	Nitrobenzene	0.20	U		0.056	0.20	1.00000	ug/L	137848		12/17/04 0359	san
	2,4,6-TNT	0.32	U		0.099	0.32	1.00000	ug/L	137848		12/17/04 0359	san
	Tetryl	0.99	U		0.21	0.99	1.00000	ug/L	137848		12/17/04 0359	san
	2,4-Dinitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	137848		12/17/04 0359	san
	2,6-Dinitrotoluene	0.54	U		0.18	0.54	1.00000	ug/L	137848		12/17/04 0359	san
	2-Amino-4,6-Dinitrotoluene	0.46	U		0.15	0.46	1.00000	ug/L	137848		12/17/04 0359	san
	4-Amino-2,6-Dinitrotoluene	0.42	U		0.14	0.42	1.00000	ug/L	137848		12/17/04 0359	san
	2-Nitrotoluene	0.39	U		0.12	0.39	1.00000	ug/L	137848		12/17/04 0359	san
	4-Nitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137848		12/17/04 0359	san
	3-Nitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137848		12/17/04 0359	san
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.3	U	MLC 1-4-05	0.19	1.3	1.00000	ug/L	137829		12/20/04 2354	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-011-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L090396-003 Work Order #...: GONTLLAC Matrix.....: WATER
Date Sampled...: 12/08/04 09:10 Date Received...: 12/09/04
Prep Date.....: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: ASYsw-011-SW

General Chemistry

Lot-Sample #....: G4L090396-003
Date Sampled....: 12/08/04

Work Order #....: GONTL
Date Received...: 12/09/04

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
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USAGE RVAAP 14 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-012-SW Date Sampled.....: 12/08/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232603-2 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5	U	*	2.5	7.5	1	ug/L	137013		12/13/04 1551	daj
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	136999		12/13/04 2121	daj
7421	Lead (GFAA) Lead	1.4	B		0.79	3.0	1	ug/L	137235		12/16/04 0721	daj
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	137028		12/13/04 1841	daj
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137472		12/17/04 1413	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	390			24	150	1	ug/L	137992		12/22/04 1501	lmr
	Barium	41			1.3	10	1	ug/L	137992		12/22/04 1501	lmr
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1501	lmr
	Cadmium	2.0	U		0.25	2.0	1	ug/L	137992		12/22/04 1501	lmr
	Calcium	62000			9.5	100	1	ug/L	137992		12/22/04 1501	lmr
	Chromium	1.6	B		1.1	10	1	ug/L	137992		12/22/04 1501	lmr
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137992		12/22/04 1501	lmr
	Copper	2.4	B		2.2	10	1	ug/L	137992		12/22/04 1501	lmr
	Iron	490			38	120	1	ug/L	138123		12/28/04 0344	lmr
	Magnesium	6200			8.1	100	1	ug/L	137992		12/22/04 1501	lmr
	Manganese	22			0.41	10	1	ug/L	137992		12/22/04 1501	lmr
	Nickel	10	U		1.0	10	1	ug/L	137992		12/22/04 1501	lmr
	Potassium	2100			66	500	1	ug/L	137992		12/22/04 1501	lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 01/04/2005

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137992		12/22/04 1501	Lmr
	Silver	10	U		0.72	10	1	ug/L	137992		12/22/04 1501	Lmr
	Sodium	1500	B		490	1500	1	ug/L	137992		12/22/04 1501	Lmr
	Vanadium	10	U		1.0	10	1	ug/L	137992		12/22/04 1501	Lmr
	Zinc	12	B		1.6	30	1	ug/L	137992		12/22/04 1501	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.14	U		0.043	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	beta-BHC	0.092	U		0.026	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	delta-BHC	0.092	U		0.023	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	gamma-BHC (Lindane)	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	Heptachlor	0.14	U		0.038	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	Aldrin	0.092	U		0.026	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	Heptachlor epoxide	0.14	U		0.033	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	Endosulfan I	0.092	U		0.019	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	Dieldrin	0.092	U		0.017	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	4,4'-DDE	0.092	U		0.021	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	Endrin	0.092	U		0.016	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	Endosulfan II	0.14	U		0.039	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	4,4'-DDD	0.10	U		0.033	0.10	1.00000	ug/L	137888		12/16/04 1108	kdl
	Endosulfan sulfate	0.14	U		0.040	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	4,4'-DDT	0.14	U		0.045	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	Methoxychlor	0.55	U		0.16	0.55	1.00000	ug/L	137888		12/16/04 1108	kdl
	alpha-Chlordane	0.046	U		0.015	0.046	1.00000	ug/L	137888		12/16/04 1108	kdl
	gamma-Chlordane	0.092	U		0.016	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	Endrin aldehyde	0.14	U		0.032	0.14	1.00000	ug/L	137888		12/16/04 1108	kdl
	Endrin ketone	0.092	U		0.027	0.092	1.00000	ug/L	137888		12/16/04 1108	kdl
	Toxaphene	0.46	U		0.13	0.46	1.00000	ug/L	137888		12/16/04 1108	kdl

* In Description = Dry Wgt.

Page 3

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS					Date: 12/22/2004					
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-012-SW			Laboratory Sample ID: 232603-2									
Date Sampled.....: 12/08/2004			Date Received.....: 12/09/2004									
Time Sampled.....: 09:30			Time Received.....: 10:00									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	PDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.55	U		0.17	0.55	1.00000	ug/L	137899		12/15/04 0350	pjg
	Aroclor 1221	1.2	U		0.39	1.2	1.00000	ug/L	137899		12/15/04 0350	pjg
	Aroclor 1232	1.2	U		0.32	1.2	1.00000	ug/L	137899		12/15/04 0350	pjg
	Aroclor 1242	1.2	U		0.39	1.2	1.00000	ug/L	137899		12/15/04 0350	pjg
	Aroclor 1248	1.4	U		0.44	1.4	1.00000	ug/L	137899		12/15/04 0350	pjg
	Aroclor 1254	1.2	U		0.32	1.2	1.00000	ug/L	137899		12/15/04 0350	pjg
	Aroclor 1260	0.55	U		0.16	0.55	1.00000	ug/L	137899		12/15/04 0350	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 1837	jd
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 1837	jd
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 1837	jd
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 1837	jd
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1837	jd
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 1837	jd

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 1837	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AOGS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-D12-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 1614	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	137856		12/15/04 1614	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	137856		12/15/04 1614	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137856		12/15/04 1614	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137856		12/15/04 1614	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOGS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	Q/T	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	137856		12/15/04 1614	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137856		12/15/04 1614	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137856		12/15/04 1614	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	137856		12/15/04 1614	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 1614	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137856		12/15/04 1614	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	137856		12/15/04 1614	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	137856		12/15/04 1614	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603 Date: 12/22/2004

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

Customer Sample ID: ASYsw-012-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	137856		12/15/04 1614	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137856		12/15/04 1614	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	137856		12/15/04 1614	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	137856		12/15/04 1614	dpk
	Benzo(k)fluoranthene, Low Level Water	0.22	J		0.069	0.38	1.00000	ug/L	137856		12/15/04 1614	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	137856		12/15/04 1614	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.20	J		0.082	0.38	1.00000	ug/L	137856		12/15/04 1614	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137856		12/15/04 1614	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	137856		12/15/04 1614	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Eltis

Customer Sample ID: ASYsw-012-SW
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-2
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.52	U		0.11	0.52	1.00000	ug/L	137848		12/17/04 0116	san
	RDX	0.33	U		0.11	0.33	1.00000	ug/L	137848		12/17/04 0116	san
	1,3,5-Trinitrobenzene	0.33	U		0.097	0.33	1.00000	ug/L	137848		12/17/04 0116	san
	1,3-Dinitrobenzene	0.33	U		0.092	0.33	1.00000	ug/L	137848		12/17/04 0116	san
	Nitrobenzene	0.27	U		0.073	0.27	1.00000	ug/L	137848		12/17/04 0116	san
	2,4,6-TNT	0.42	U		0.13	0.42	1.00000	ug/L	137848		12/17/04 0116	san
	Tetryl	1.3	U		0.27	1.3	1.00000	ug/L	137848		12/17/04 0116	san
	2,4-Dinitrotoluene	0.60	U		0.20	0.60	1.00000	ug/L	137848		12/17/04 0116	san
	2,6-Dinitrotoluene	0.72	U		0.24	0.72	1.00000	ug/L	137848		12/17/04 0116	san
	2-Amino-4,6-Dinitrotoluene	0.60	U		0.20	0.60	1.00000	ug/L	137848		12/17/04 0116	san
	4-Amino-2,6-Dinitrotoluene	0.55	U		0.19	0.55	1.00000	ug/L	137848		12/17/04 0116	san
	2-Nitrotoluene	0.52	U		0.16	0.52	1.00000	ug/L	137848		12/17/04 0116	san
	4-Nitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	137848		12/17/04 0116	san
3-Nitrotoluene	0.52	U		0.17	0.52	1.00000	ug/L	137848		12/17/04 0116	san	
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.7	U		0.25	1.7	1.00000	ug/L	137829		12/20/04 2207	san

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-012-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L090396-001 Work Order #...: GONTD1AC Matrix.....: WATER
Date Sampled...: 12/08/04 09:30 Date Received...: 12/09/04
Prep Date.....: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: ASYsw-012-SW

General Chemistry

Lot-Sample #....: G4L090396-001
Date Sampled....: 12/08/04

Work Order #....: GONTD
Date Received...: 12/09/04

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
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 01/04/2005				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 ACCS			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-012-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232603-6 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDC	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137013		12/13/04 2345	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136999		12/13/04 2222	daj
7421	Lead (GFAA) Lead	1.4		B	0.79	3.0	1	ug/L	137235		12/16/04 0825	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137109		12/14/04 1138	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137472		12/17/04 1427	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	420			24	150	1	ug/L	137992		12/22/04 1549	lmr
	Barium	41			1.3	10	1	ug/L	137992		12/22/04 1549	lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1549	lmr
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137992		12/22/04 1549	lmr
	Calcium	62000			9.5	100	1	ug/L	137992		12/22/04 1549	lmr
	Chromium	1.8		B	1.1	10	1	ug/L	137992		12/22/04 1549	lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137992		12/22/04 1549	lmr
	Copper	10		U	2.2	10	1	ug/L	137992		12/22/04 1549	lmr
	Iron	510			38	120	1	ug/L	138123		12/28/04 0433	lmr
	Magnesium	6300			8.1	100	1	ug/L	137992		12/22/04 1549	lmr
	Manganese	21			0.41	10	1	ug/L	137992		12/22/04 1549	lmr
	Nickel	10		U	1.0	10	1	ug/L	137992		12/22/04 1549	lmr
	Potassium	2100			66	500	1	ug/L	137992		12/22/04 1549	lmr

* In Description = Dry Wgt.

Page 12

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603 LABORATORY TEST RESULTS Date: 01/04/2005

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

Customer Sample ID: ASYsw-012-DUP Laboratory Sample ID: 232603-6
 Date Sampled.....: 12/08/2004 Date Received.....: 12/09/2004
 Time Sampled.....: 09:30 Time Received.....: 10:00
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15		U	3.0	15	1	ug/L	137992		12/22/04 1549	Lmr
	Silver	10		U	0.72	10	1	ug/L	137992		12/22/04 1549	Lmr
	Sodium	1500		B	490	1500	1	ug/L	137992		12/22/04 1549	Lmr
	Vanadium	1.4		B	1.0	10	1	ug/L	137992		12/22/04 1549	Lmr
	Zinc	12		B	1.6	30	1	ug/L	137992		12/22/04 1549	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: NKM Engineers, Inc.

PROJECT: USAGE RYAAP 14 ACOS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-6
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC	0.14	U	0.044	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	beta-BHC	0.093	U	0.026	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	delta-BHC	0.093	U	0.023	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	gamma-BHC (Lindane)	0.14	U	0.039	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	Heptachlor	0.14	U	0.038	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	Aldrin	0.093	U	0.026	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	Heptachlor epoxide	0.14	U	0.034	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	Endosulfan I	0.093	U	0.020	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	Dieldrin	0.093	U	0.017	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	4,4'-DDE	0.093	U	0.021	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	Endrin	0.093	U	0.016	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	Endosulfan II	0.14	U	0.039	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	4,4'-DDD	0.10	U	0.034	0.10	1.00000	ug/L	137888		12/16/04 1249	kdl
	Endosulfan sulfate	0.14	U	0.041	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	4,4'-DDT	0.14	U	0.046	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	Methoxychlor	0.56	U	0.16	0.56	1.00000	ug/L	137888		12/16/04 1249	kdl
	alpha-Chlordane	0.047	U	0.015	0.047	1.00000	ug/L	137888		12/16/04 1249	kdl
	gamma-Chlordane	0.093	U	0.016	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	Endrin aldehyde	0.14	U	0.033	0.14	1.00000	ug/L	137888		12/16/04 1249	kdl
	Endrin ketone	0.093	U	0.027	0.093	1.00000	ug/L	137888		12/16/04 1249	kdl
	Toxaphene	0.47	U	0.13	0.47	1.00000	ug/L	137888		12/16/04 1249	kdl

* In Description = Dry Wgt.

Page 7

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232603		LABORATORY TEST RESULTS						Date: 12/22/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP T4 AOCs				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-012-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water			Laboratory Sample ID: 232603-6 Date Received.....: 12/09/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.56		U	0.17	0.56	1.00000	ug/L	137899		12/15/04 0611	pjg
	Aroclor 1221	1.2		U	0.39	1.2	1.00000	ug/L	137899		12/15/04 0611	pjg
	Aroclor 1232	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 0611	pjg
	Aroclor 1242	1.2		U	0.40	1.2	1.00000	ug/L	137899		12/15/04 0611	pjg
	Aroclor 1248	1.4		U	0.45	1.4	1.00000	ug/L	137899		12/15/04 0611	pjg
	Aroclor 1254	1.2		U	0.33	1.2	1.00000	ug/L	137899		12/15/04 0611	pjg
	Aroclor 1260	0.56		U	0.16	0.56	1.00000	ug/L	137899		12/15/04 0611	pjg

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-6
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137373		12/16/04 2004	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137373		12/16/04 2004	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137373		12/16/04 2004	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137373		12/16/04 2004	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137373		12/16/04 2004	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232603								Date:12/22/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 MOCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-012-DUP Date Sampled.....: 12/08/2004 Time Sampled.....: 09:30 Sample Matrix.....: Water						Laboratory Sample ID: 232603-6 Date Received.....: 12/09/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137373		12/16/04 2004	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ACDS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-6
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 1758	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	137856		12/15/04 1758	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	137856		12/15/04 1758	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137856		12/15/04 1758	dpk
	2-Methylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137856		12/15/04 1758	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk

* In Description = Dry Wgt.

Page 17

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-6
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

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	9.5	U		2.3	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	137856		12/15/04 1758	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137856		12/15/04 1758	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137856		12/15/04 1758	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	137856		12/15/04 1758	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 1758	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137856		12/15/04 1758	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	137856		12/15/04 1758	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	137856		12/15/04 1758	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-6
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	137856		12/15/04 1758	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137856		12/15/04 1758	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	137856		12/15/04 1758	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	137856		12/15/04 1758	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	137856		12/15/04 1758	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	137856		12/15/04 1758	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	137856		12/15/04 1758	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137856		12/15/04 1758	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	137856		12/15/04 1758	dpk

* In Description = Dry Wgt.

Page 19

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232603

Date: 12/22/2004

CUSTOMER: HKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-012-DUP
 Date Sampled.....: 12/08/2004
 Time Sampled.....: 09:30
 Sample Matrix.....: Water

Laboratory Sample ID: 232603-6
 Date Received.....: 12/09/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	MMX	0.34	U		0.074	0.34	1.00000	ug/L	137848		12/17/04 0326	san
	RDX	0.22	U		0.069	0.22	1.00000	ug/L	137848		12/17/04 0326	san
	1,3,5-Trinitrobenzene	0.22	U		0.063	0.22	1.00000	ug/L	137848		12/17/04 0326	san
	1,3-Dinitrobenzene	0.22	U		0.060	0.22	1.00000	ug/L	137848		12/17/04 0326	san
	Nitrobenzene	0.17	U		0.048	0.17	1.00000	ug/L	137848		12/17/04 0326	san
	2,4,6-TNT	0.27	U		0.085	0.27	1.00000	ug/L	137848		12/17/04 0326	san
	Tetryl	0.85	U		0.18	0.85	1.00000	ug/L	137848		12/17/04 0326	san
	2,4-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137848		12/17/04 0326	san
	2,6-Dinitrotoluene	0.47	U		0.15	0.47	1.00000	ug/L	137848		12/17/04 0326	san
	2-Amino-4,6-Dinitrotoluene	0.39	U		0.13	0.39	1.00000	ug/L	137848		12/17/04 0326	san
	4-Amino-2,6-Dinitrotoluene	0.36	U		0.12	0.36	1.00000	ug/L	137848		12/17/04 0326	san
	2-Nitrotoluene	0.34	U		0.10	0.34	1.00000	ug/L	137848		12/17/04 0326	san
	4-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137848		12/17/04 0326	san
	3-Nitrotoluene	0.34	U		0.11	0.34	1.00000	ug/L	137848		12/17/04 0326	san
8332M	NG/PETN by 8332M (HPLC)											
Nitroglycerine	1.1	U	✓	0.16	1.1	1.00000	ug/L	137829		12/20/04 2319	san	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-012-DUP

Trace Level Organic Compounds

Lot-Sample #...: G4L090396-002 Work Order #...: GONTF1AC Matrix.....: WATER
Date Sampled...: 12/08/04 09:30 Date Received...: 12/09/04
Prep Date.....: 12/16/04 Analysis Date...: 12/16/04
Prep Batch #...: 4351450
Dilution Factor: 1 Initial Wgt/Vol: 10 mL Final Wgt/Vol...: 10 mL

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

STL CHICAGO

Client Sample ID: ASYsw-012-DUP

General Chemistry

Lot-Sample #...: G4L090396-002
Date Sampled...: 12/08/04

Work Order #...: GONTF
Date Received...: 12/09/04

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
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232497 Date: 12/20/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE RVAAP 14 ADDS ATTN: Eric Elits

Customer Sample ID: ASYsw-014-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-14
 Date Received.....: 12/07/2004
 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	136643		12/08/04 2159	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	136622		12/08/04 1934	daj
7421	Lead (GFAA) Lead	2.0		B	0.79	3.0	1	ug/L	136730		12/09/04 1939	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	136776		12/09/04 1708	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137144		12/14/04 1453	gok
60108	Metals Analysis (ICAP Trace)											
	Aluminum	400			24	150	1	ug/L	137508		12/19/04 0654	tds
	Barium	32			1.3	10	1	ug/L	137508		12/19/04 0654	tds
	Beryllium	2.0		U	0.25	2.0	1	ug/L	137508		12/19/04 0654	tds
	Cadmium	2.0		U	0.25	2.0	1	ug/L	137508		12/19/04 0654	tds
	Calcium	42000			9.5	100	1	ug/L	137508		12/19/04 0654	tds
	Chromium	10		U	1.1	10	1	ug/L	137508		12/19/04 0654	tds
	Cobalt	5.0		U	0.80	5.0	1	ug/L	137508		12/19/04 0654	tds
	Copper	10		U	2.2	10	1	ug/L	137508		12/19/04 0654	tds
	Iron	480			38	120	1	ug/L	137508		12/19/04 0654	tds
	Magnesium	5300			8.1	100	1	ug/L	137508		12/19/04 0654	tds
	Manganese	54			0.41	10	1	ug/L	137508		12/19/04 0654	tds
	Nickel	1.4		B	1.0	10	1	ug/L	137508		12/19/04 0654	tds
	Potassium	1500			66	500	1	ug/L	137508		12/19/04 0654	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232497								Date: 12/20/2004				
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASysw-014-SW Date Sampled.....: 12/06/2004 Time Sampled.....: 15:00 Sample Matrix.....: Water						Laboratory Sample ID: 232497-14 Date Received.....: 12/07/2004 Time Received.....: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U		3.0	15	1	ug/L	137508		12/19/04 0654	tds
	Silver	10	U		0.72	10	1	ug/L	137508		12/19/04 0654	tds
	Sodium	2000			490	1500	1	ug/L	137508		12/19/04 0654	tds
	Vanadium	10	U		1.0	10	1	ug/L	137508		12/19/04 0654	tds
	Zinc	13	B		1.6	30	1	ug/L	137508		12/19/04 0654	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS											
Job Number: 232497						Date: 12/21/2004					
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RYAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: ASYsw-014-SW Date Sampled: 12/06/2004 Time Sampled: 15:00 Sample Matrix: Water						Laboratory Sample ID: 232497-14 Date Received: 12/07/2004 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	0.048	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	beta-BHC	0.10	U	0.029	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	delta-BHC	0.10	U	0.026	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	gamma-BHC (Lindane)	0.15	U	0.043	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	Heptachlor	0.15	U	0.042	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	Aldrin	0.10	U	0.029	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	Heptachlor epoxide	0.15	U	0.037	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	Endosulfan I	0.10	U	0.021	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	Dieldrin	0.10	U	0.018	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	4,4'-DDE	0.10	U	0.023	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	Endrin	0.10	U	0.017	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	Endosulfan II	0.15	U	0.043	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	4,4'-DDD	0.11	U	0.037	0.11	1.00000	ug/L	137734		12/15/04 0246	kdl
	Endosulfan sulfate	0.15	U	0.045	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	4,4'-DDT	0.15	U	0.050	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	Methoxychlor	0.61	U	0.17	0.61	1.00000	ug/L	137734		12/15/04 0246	kdl
	alpha-Chlordane	0.051	U	0.016	0.051	1.00000	ug/L	137734		12/15/04 0246	kdl
	gamma-Chlordane	0.10	U	0.017	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	Endrin aldehyde	0.15	U	0.036	0.15	1.00000	ug/L	137734		12/15/04 0246	kdl
	Endrin ketone	0.10	U	0.030	0.10	1.00000	ug/L	137734		12/15/04 0246	kdl
	Toxaphene	0.51	U	0.14	0.51	1.00000	ug/L	137734		12/15/04 0246	kdl

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232497		LABORATORY TEST RESULTS						Date: 12/20/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis					
Customer Sample ID: ASYsw-014-SW Date Sampled.....: 12/06/2004 Time Sampled.....: 15:00 Sample Matrix.....: Water			Laboratory Sample ID: 232497-14 Date Received.....: 12/07/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.61	U		0.18	0.61	1.00000	ug/L	137555		12/14/04 2137	bjt
	Aroclor 1221	1.3	U		0.43	1.3	1.00000	ug/L	137555		12/14/04 2137	bjt
	Aroclor 1232	1.3	U		0.36	1.3	1.00000	ug/L	137555		12/14/04 2137	bjt
	Aroclor 1242	1.3	U		0.44	1.3	1.00000	ug/L	137555		12/14/04 2137	bjt
	Aroclor 1248	1.5	U		0.49	1.5	1.00000	ug/L	137555		12/14/04 2137	bjt
	Aroclor 1254	1.3	U		0.36	1.3	1.00000	ug/L	137555		12/14/04 2137	bjt
	Aroclor 1260	0.61	U		0.17	0.61	1.00000	ug/L	137555		12/14/04 2137	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS											Date: 12/18/2004	
Job Number: 232497				PROJECT: USACE RVAAP 14 ADCS				ATTN: Eric Ellis				
CUSTOMER: MKM Engineers, Inc.				Laboratory Sample ID: 232497-14				Date Received: 12/07/2004				
Customer Sample ID: ASYsw-014-SW				Date Received: 12/07/2004				Time Received: 10:00				
Date Sampled: 12/06/2004				Time Sampled: 15:00				Sample Matrix: Water				
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Vinyl chloride	1.0	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Bromomethane	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Chloroethane	1.0	U		0.12	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,1-Dichloroethene	1.0	U		0.20	5.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Carbon disulfide	5.0	U		1.8	10	1.00000	ug/L	137286		12/16/04 0525	jdj
	Acetone	10	U		0.35	1.5	1.00000	ug/L	137286		12/16/04 0525	jdj
	Methylene chloride	1.5	U		0.14	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	trans-1,2-Dichloroethene	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,1-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	cis-1,2-Dichloroethane	1.0	U		1.2	10	1.00000	ug/L	137286		12/16/04 0525	jdj
	2-Butanone (MEK)	10	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Bromochloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Chloroform	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,1,1-Trichloroethane	1.0	U		0.13	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Carbon tetrachloride	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,2-Dichloroethane	1.0	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Trichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,2-Dichloropropane	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Bromodichloromethane	1.0	U		0.12	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	cis-1,3-Dichloropropene	1.0	U		0.65	10	1.00000	ug/L	137286		12/16/04 0525	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Toluene	1.0	U		0.15	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,1,2-Trichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Tetrachloroethene	1.0	U		0.53	10	1.00000	ug/L	137286		12/16/04 0525	jdj
	2-Hexanone	10	U									

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232497		LABORATORY TEST RESULTS					Date: 12/18/2004					
CUSTOMER: MGN Engineers, Inc.		PROJECT: USACE RVAAP 14 AOCs					ATTN: Eric Ellis					
Customer Sample ID: ASYsw-014-SW		Laboratory Sample ID: 232497-14										
Date Sampled.....: 12/06/2004		Date Received.....: 12/07/2004										
Time Sampled.....: 15:00		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
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137286		12/16/04 0525	jdj

* In Description = Dry Wgt.

Page 21

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Date: 12/20/2004

Job Number: 232497

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Elkins

Customer Sample ID: ASYsw-014-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-14
 Date Received.....: 12/07/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics											
	Phenol, Low Level Water	4.7	U		0.33	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.28	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137499		12/13/04 0902	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.26	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.47	U		0.076	0.47	1.00000	ug/L	137499		12/13/04 0902	dpk
	Hexachloroethane, Low Level Water	4.7	U		0.58	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.094	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	2-Chlorophenol, Low Level Water	4.7	U		0.11	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Nitrobenzene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	Benzoic acid, Low Level Water	19	U		2.8	19	1.00000	ug/L	137499		12/13/04 0902	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,4-Dimethylphenol, Low Level Water	9.4	U		1.2	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	Hexachlorobutadiene, Low Level Water	4.7	U		0.60	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Naphthalene, Low Level Water	0.94	U		0.15	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,4-Dichlorophenol, Low Level Water	9.4	U		0.86	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	4-Chloroaniline, Low Level Water	9.4	U		2.6	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.7	U		0.20	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.4	U		1.3	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U	*	0.61	19	1.00000	ug/L	137499		12/13/04 0902	dpk
	2-Methylnaphthalene, Low Level Water	0.47	U		0.12	0.47	1.00000	ug/L	137499		12/13/04 0902	dpk
	2-Nitroaniline, Low Level Water	4.7	U		0.21	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232497 Date: 12/20/2004

CUSTOMER: MKM Engineers, Inc. PROJECT: USAGE RVAAP 14 ADCS ATTN: Eric Elits

Customer Sample ID: ASYSW-014-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-14
 Date Received.....: 12/07/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.4	U		2.3	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,6-Dinitrotoluene, Low Level Water	0.47	U		0.10	0.47	1.00000	ug/L	137499		12/13/04 0902	dpk
	2-Nitrophenol, Low Level Water	9.4	U		0.77	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	3-Nitroaniline, Low Level Water	9.4	U		2.0	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137499		12/13/04 0902	dpk
	Acenaphthylene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	2,4-Dinitrotoluene, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	Acenaphthene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137499		12/13/04 0902	dpk
	Fluorene, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	4-Nitroaniline, Low Level Water	9.4	U		2.2	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.7	U		0.18	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Hexachlorobenzene, Low Level Water	0.47	U		0.092	0.47	1.00000	ug/L	137499		12/13/04 0902	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.7	U		0.71	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Pentachlorophenol, Low Level Water	9.4	U		1.6	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.94	U		0.12	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137499		12/13/04 0902	dpk
	Phenanthrene, Low Level Water	0.94	U		0.13	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	Anthracene, Low Level Water	0.94	U		0.14	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	Carbazole, Low Level Water	4.7	U		0.27	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Di-n-butyl phthalate, Low Level Water	4.7	U		0.34	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Fluoranthene, Low Level Water	0.94	U		0.13	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	Pyrene, Low Level Water	0.94	U		0.11	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137499		12/13/04 0902	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.046	0.19	1.00000	ug/L	137499		12/13/04 0902	dpk
	Chrysene, Low Level Water	0.47	U		0.042	0.47	1.00000	ug/L	137499		12/13/04 0902	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS											
Job Number: 232497				Date: 12/20/2004							
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis			
Customer Sample ID: ASYsw-014-SW				Laboratory Sample ID: 232497-14							
Date Sampled.....: 12/06/2004				Date Received.....: 12/07/2004							
Time Sampled.....: 15:00				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	4.7	U	0.68	4.7	1.00000	ug/L	137499		12/13/04 0902	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U	3.7	14	1.00000	ug/L	137499		12/13/04 0902	dpk
	Di-n-octyl phthalate, Low Level Water	9.4	U	2.4	9.4	1.00000	ug/L	137499		12/13/04 0902	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U	0.063	0.38	1.00000	ug/L	137499		12/13/04 0902	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U	0.068	0.38	1.00000	ug/L	137499		12/13/04 0902	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U	0.079	0.38	1.00000	ug/L	137499		12/13/04 0902	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U	0.081	0.38	1.00000	ug/L	137499		12/13/04 0902	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U	0.12	0.38	1.00000	ug/L	137499		12/13/04 0902	dpk
	Benzo(ghi)perylene, Low Level Water	0.94	U	0.18	0.94	1.00000	ug/L	137499		12/13/04 0902	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232497 LABORATORY TEST RESULTS Date: 12/21/2004

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

Customer Sample ID: ASYsw-014-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 15:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-14
 Date Received.....: 12/07/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.49	U		0.11	0.49	1.00000	ug/L	137651		12/15/04 2132	bdw
	RDX	0.31	U		0.10	0.31	1.00000	ug/L	137651		12/15/04 2132	bdw
	1,3,5-Trinitrobenzene	0.31	U		0.091	0.31	1.00000	ug/L	137651		12/15/04 2132	bdw
	1,3-Dinitrobenzene	0.31	U		0.086	0.31	1.00000	ug/L	137651		12/15/04 2132	bdw
	Nitrobenzene	0.25	U		0.069	0.25	1.00000	ug/L	137651		12/15/04 2132	bdw
	2,4,6-TNT	0.39	U		0.12	0.39	1.00000	ug/L	137651		12/15/04 2132	bdw
	Tetryl	1.2	U		0.26	1.2	1.00000	ug/L	137651		12/15/04 2132	bdw
	2,4-Dinitrotoluene	0.56	U		0.19	0.56	1.00000	ug/L	137651		12/15/04 2132	bdw
	2,6-Dinitrotoluene	0.67	U		0.22	0.67	1.00000	ug/L	137651		12/15/04 2132	bdw
	2-Amino-4,6-Dinitrotoluene	0.56	U		0.19	0.56	1.00000	ug/L	137651		12/15/04 2132	bdw
	4-Amino-2,6-Dinitrotoluene	0.52	U		0.18	0.52	1.00000	ug/L	137651		12/15/04 2132	bdw
	2-Nitrotoluene	0.49	U		0.15	0.49	1.00000	ug/L	137651		12/15/04 2132	bdw
	4-Nitrotoluene	0.49	U		0.16	0.49	1.00000	ug/L	137651		12/15/04 2132	bdw
3-Nitrotoluene	0.49	U		0.16	0.49	1.00000	ug/L	137651		12/15/04 2132	bdw	
8332M	NG/PEIN by 8332M (HPLC)											
Nitroglycerine	1.6	U		0.24	1.6	1.00000	ug/L	137646		12/09/04 1127	bdw	

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-014-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L070388-006 Work Order #...: G0GP31AC Matrix.....: WATER
Date Sampled...: 12/06/04 15:00 Date Received...: 12/07/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-014-SW

General Chemistry

Lot-Sample #...: G4L070388-006
Date Sampled...: 12/06/04

Work Order #...: G0GP3
Date Received...: 12/07/04

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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS											Date: 12/20/2004		
Job Number: 232497				PROJECT: USACE RVAAP 14 ADS				ATTN: Eric Ellis					
CUSTOMER: MKM Engineers, Inc.				Customer Sample ID: ASYSW-016-SW Date Sampled.....: 12/06/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water								Laboratory Sample ID: 232497-8 Date Received.....: 12/07/2004 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	3.2	B		2.5	7.5	1	ug/L	136643		12/08/04 2122	daj	
7060A	Arsenic (GFAA) Arsenic	2.0	U		0.51	2.0	1	ug/L	136622		12/08/04 1910	daj	
7421	Lead (GFAA) Lead	3.0	U		0.79	3.0	1	ug/L	136730		12/09/04 1910	daj	
7841	Thallium (GFAA) Thallium	4.0	U		1.3	4.0	1	ug/L	136776		12/09/04 1643	daj	
7470A	Mercury (CVAA) Mercury	0.20	U		0.063	0.20	1	ug/L	137144		12/14/04 1449	gok	
6010B	Metals Analysis (ICAP Trace)												
	Aluminum	100	B		24	150	1	ug/L	137508		12/19/04 0641	tds	
	Barium	58			1.3	10	1	ug/L	137508		12/19/04 0641	tds	
	Beryllium	2.0	U		0.25	2.0	1	ug/L	137508		12/19/04 0641	tds	
	Cadmium	2.0	U		0.25	2.0	1	ug/L	137508		12/19/04 0641	tds	
	Calcium	93000			9.5	100	1	ug/L	137508		12/19/04 0641	tds	
	Chromium	10	U		1.1	10	1	ug/L	137508		12/19/04 0641	tds	
	Cobalt	5.0	U		0.80	5.0	1	ug/L	137508		12/19/04 0641	tds	
	Copper	10	U		2.2	10	1	ug/L	137508		12/19/04 0641	tds	
	Iron	350			38	120	1	ug/L	137508		12/19/04 0641	tds	
	Magnesium	12000			8.1	100	1	ug/L	137508		12/19/04 0641	tds	
	Manganese	240			0.41	10	1	ug/L	137508		12/19/04 0641	tds	
	Nickel	10	U		1.0	10	1	ug/L	137508		12/19/04 0641	tds	
	Potassium	3500			66	500	1	ug/L	137508		12/19/04 0641	tds	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232497 Date: 12/20/2004

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

Customer Sample ID: ASysw-016-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-8
 Date Received.....: 12/07/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	5.2	B		3.0	15	1	ug/L	137508		12/19/04 0641	tds
	Silver	10	U		0.72	10	1	ug/L	137508		12/19/04 0641	tds
	Sodium	3000			490	1500	1	ug/L	137508		12/19/04 0641	tds
	Vanadium	10	U		1.0	10	1	ug/L	137508		12/19/04 0641	tds
	Zinc	5.4	B		1.6	30	1	ug/L	137508		12/19/04 0641	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Date: 12/21/2004

Job Number: 232497

CUSTOMER: MKM Engineers, Inc. PROJECT: USACE R/VAMP 14 ADCS ATTN: Eric Ellis

Customer Sample ID: ASYsw-016-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-8
 Date Received.....: 12/07/2004
 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	0.15	U		0.046	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	alpha-BHC	0.098	U		0.027	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	beta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	delta-BHC	0.15	U		0.041	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	gamma-BHC (Lindane)	0.15	U		0.040	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	Heptachlor	0.098	U		0.027	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	Aldrin	0.15	U		0.035	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	Heptachlor epoxide	0.098	U		0.021	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	Endosulfan I	0.098	U		0.018	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	Dieldrin	0.098	U		0.023	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	4,4'-DDE	0.098	U		0.017	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	Endrin	0.15	U		0.041	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	Endosulfan II	0.11	U		0.035	0.11	1.00000	ug/L	137734		12/15/04 0156	kdL
	4,4'-DDD	0.15	U		0.043	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	Endosulfan sulfate	0.15	U		0.048	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	4,4'-DDT	0.59	U		0.17	0.59	1.00000	ug/L	137734		12/15/04 0156	kdL
	Methoxychlor	0.049	U		0.016	0.049	1.00000	ug/L	137734		12/15/04 0156	kdL
	alpha-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	gamma-Chlordane	0.15	U		0.034	0.15	1.00000	ug/L	137734		12/15/04 0156	kdL
	Endrin aldehyde	0.098	U		0.028	0.098	1.00000	ug/L	137734		12/15/04 0156	kdL
	Endrin ketone	0.49	U		0.14	0.49	1.00000	ug/L	137734		12/15/04 0156	kdL
	Toxaphene											

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232497		LABORATORY TEST RESULTS						Date: 12/20/2004				
CUSTOMER: HKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AODS				ATTN: Eric Ellis					
Customer Sample ID: ASYSW-016-SW Date Sampled.....: 12/06/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water			Laboratory Sample ID: 232497-8 Date Received.....: 12/07/2004 Time Received.....: 10:00									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	137555		12/14/04 2048	bjt
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	137555		12/14/04 2048	bjt
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	137555		12/14/04 2048	bjt
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	137555		12/14/04 2048	bjt
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	137555		12/14/04 2048	bjt
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	137555		12/14/04 2048	bjt
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	137555		12/14/04 2048	bjt

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS										Date: 12/18/2004		
Job Number: 232497				PROJECT: USACE RVAAP 14 AOCs				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-016-SW				Laboratory Sample ID: 232497-8								
Date Sampled.....: 12/06/2004				Date Received.....: 12/07/2004								
Time Sampled.....: 14:00				Time Received.....: 10:00								
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Acetone	10	U		1.8	10	1.00000	ug/L	137286		12/16/04 0417	jdj
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137286		12/16/04 0417	jdj
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137286		12/16/04 0417	jdj
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137286		12/16/04 0417	jdj
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137286		12/16/04 0417	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232497					Date: 12/18/2004							
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-016-SW Date Sampled.....: 12/06/2004 Time Sampled.....: 14:00 Sample Matrix.....: Water					Laboratory Sample ID: 232497-8 Date Received.....: 12/07/2004 Time Received.....: 10:00							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137286		12/16/04 0417	jdj

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Date: 12/20/2004

Job Number: 232497

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-016-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-8
 Date Received.....: 12/07/2004
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Low Level Water	4.9	U		0.34	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Bis(2-chloroethyl)ether, Low Level Water	2.0	U		0.29	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	1,3-Dichlorobenzene, Low Level Water	2.0	U		0.42	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	1,4-Dichlorobenzene, Low Level Water	2.0	U		0.32	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	1,2-Dichlorobenzene, Low Level Water	2.0	U		0.34	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	Benzyl alcohol, Low Level Water	20	U		2.2	20	1.00000	ug/L	137499		12/13/04 0817	dpk
	2-Methylphenol (o-cresol), Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	2.0	U		0.27	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.49	U		0.079	0.49	1.00000	ug/L	137499		12/13/04 0817	dpk
	Hexachloroethane, Low Level Water	4.9	U		0.60	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	2.0	U		0.098	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	2-Chlorophenol, Low Level Water	4.9	U		0.12	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Nitrobenzene, Low Level Water	0.98	U		0.16	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	2.0	U		0.30	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	1,2,4-Trichlorobenzene, Low Level Water	2.0	U		0.33	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	Benzoic acid, Low Level Water	20	U		2.9	20	1.00000	ug/L	137499		12/13/04 0817	dpk
	Isophorone, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,4-Dimethylphenol, Low Level Water	9.8	U		1.3	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	Hexachlorobutadiene, Low Level Water	4.9	U		0.63	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Naphthalene, Low Level Water	0.60	J		0.16	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,4-Dichlorophenol, Low Level Water	9.8	U		0.89	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	4-Chloroaniline, Low Level Water	9.8	U		2.7	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.9	U		0.21	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.8	U		1.4	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	Hexachlorocyclopentadiene, Low Level Water	20	U		0.64	20	1.00000	ug/L	137499		12/13/04 0817	dpk
	2-Methylnaphthalene, Low Level Water	0.49	U		0.13	0.49	1.00000	ug/L	137499		12/13/04 0817	dpk
	2-Nitroaniline, Low Level Water	4.9	U		0.22	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	2-Chloronaphthalene, Low Level Water	2.0	U		0.25	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Date: 12/20/2004

Job Number: 232497

CUSTOMER: MKM Engineers, Inc.

PROJECT: USAGE RVAAP 14 AQCS

ATTN: Eric Ellis

Customer Sample ID: ASYSW-016-SW
 Date Sampled.....: 12/06/2004
 Time Sampled.....: 14:00
 Sample Matrix.....: Water

Laboratory Sample ID: 232497-8
 Date Received.....: 12/07/2004
 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	9.8	U	2.4	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,6-Dinitrotoluene, Low Level Water	0.49	U	0.11	0.49	1.00000	ug/L	137499		12/13/04 0817	dpk
	2-Nitrophenol, Low Level Water	9.8	U	0.80	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	3-Nitroaniline, Low Level Water	9.8	U	2.1	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	Dimethyl phthalate, Low Level Water	2.0	U	0.21	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,4-Dinitrophenol, Low Level Water	20	U	3.2	20	1.00000	ug/L	137499		12/13/04 0817	dpk
	Acenaphthylene, Low Level Water	0.98	U	0.12	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	2,4-Dinitrotoluene, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	Acenaphthene, Low Level Water	1.8	U	0.12	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	Dibenzofuran, Low Level Water	1.1	J	0.13	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	4-Nitrophenol, Low Level Water	20	U	3.6	20	1.00000	ug/L	137499		12/13/04 0817	dpk
	Fluorene, Low Level Water	1.7	U	0.13	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	4-Nitroaniline, Low Level Water	9.8	U	2.3	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.9	U	0.19	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Hexachlorobenzene, Low Level Water	0.49	U	0.095	0.49	1.00000	ug/L	137499		12/13/04 0817	dpk
	Diethyl phthalate, Low Level Water	2.0	U	0.15	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.9	U	0.74	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Pentachlorophenol, Low Level Water	9.8	U	1.7	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.98	U	0.13	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	20	U	2.4	20	1.00000	ug/L	137499		12/13/04 0817	dpk
	Phenanthrene, Low Level Water	1.3	U	0.14	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	Anthracene, Low Level Water	0.58	J	0.15	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	Carbazole, Low Level Water	1.2	J	0.28	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Di-n-butyl phthalate, Low Level Water	4.9	U	0.35	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Fluoranthene, Low Level Water	0.89	J	0.14	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	Pyrene, Low Level Water	0.49	J	0.12	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk
	Butyl benzyl phthalate, Low Level Water	2.0	U	0.38	2.0	1.00000	ug/L	137499		12/13/04 0817	dpk
	Benzo(a)anthracene, Low Level Water	0.20	U	0.048	0.20	1.00000	ug/L	137499		12/13/04 0817	dpk
	Chrysene, Low Level Water	0.11	J	0.044	0.49	1.00000	ug/L	137499		12/13/04 0817	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS										Date: 12/20/2004		
Job Number: 232497					PROJECT: USACE RWAP 14 AOCs					ATTN: Eric Ellis		
CUSTOMER: MKM Engineers, Inc.					Laboratory Sample ID: 232497-8							
Customer Sample ID: ASYsw-016-SW					Date Received: 12/07/2004							
Date Sampled: 12/06/2004					Time Received: 10:00							
Time Sampled: 14:00												
Sample Matrix: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.9	U		0.71	4.9	1.00000	ug/L	137499		12/13/04 0817	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	15	U		3.8	15	1.00000	ug/L	137499		12/13/04 0817	dpk
	Di-n-octyl phthalate, Low Level Water	9.8	U		2.5	9.8	1.00000	ug/L	137499		12/13/04 0817	dpk
	Benzo(b)fluoranthene, Low Level Water	0.39	U		0.066	0.39	1.00000	ug/L	137499		12/13/04 0817	dpk
	Benzo(k)fluoranthene, Low Level Water	0.39	U		0.071	0.39	1.00000	ug/L	137499		12/13/04 0817	dpk
	Benzo(a)pyrene, Low Level Water	0.39	U		0.082	0.39	1.00000	ug/L	137499		12/13/04 0817	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.39	U		0.084	0.39	1.00000	ug/L	137499		12/13/04 0817	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.39	U		0.13	0.39	1.00000	ug/L	137499		12/13/04 0817	dpk
	Benzo(ghi)perylene, Low Level Water	0.98	U		0.19	0.98	1.00000	ug/L	137499		12/13/04 0817	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232497						Date: 12/21/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 ADDS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-016-SW						Laboratory Sample ID: 232497-8						
Date Sampled.....: 12/06/2004						Date Received.....: 12/07/2004						
Time Sampled.....: 14:00						Time Received.....: 10:00						
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)											
	HMX	0.51	U		0.11	0.51	1.00000	ug/L	137651		12/15/04 2027	bdw
	RDX	0.33	U		0.11	0.33	1.00000	ug/L	137651		12/15/04 2027	bdw
	1,3,5-Trinitrobenzene	0.33	U		0.096	0.33	1.00000	ug/L	137651		12/15/04 2027	bdw
	1,3-Dinitrobenzene	0.33	U		0.091	0.33	1.00000	ug/L	137651		12/15/04 2027	bdw
	Nitrobenzene	0.26	U		0.073	0.26	1.00000	ug/L	137651		12/15/04 2027	bdw
	2,4,6-TNT	0.41	U		0.13	0.41	1.00000	ug/L	137651		12/15/04 2027	bdw
	Tetryl	1.3	U		0.27	1.3	1.00000	ug/L	137651		12/15/04 2027	bdw
	2,4-Dinitrotoluene	0.59	U		0.20	0.59	1.00000	ug/L	137651		12/15/04 2027	bdw
	2,6-Dinitrotoluene	0.71	U		0.24	0.71	1.00000	ug/L	137651		12/15/04 2027	bdw
	2-Amino-4,6-Dinitrotoluene	0.59	U		0.20	0.59	1.00000	ug/L	137651		12/15/04 2027	bdw
	4-Amino-2,6-Dinitrotoluene	0.25	J	a	0.19	0.54	1.00000	ug/L	137651		12/15/04 2027	bdw
	2-Nitrotoluene	0.51	U		0.15	0.51	1.00000	ug/L	137651		12/15/04 2027	bdw
	4-Nitrotoluene	0.51	U		0.16	0.51	1.00000	ug/L	137651		12/15/04 2027	bdw
	3-Nitrotoluene	0.51	U		0.17	0.51	1.00000	ug/L	137651		12/15/04 2027	bdw
8332M	NG/PETN by 8332M (HPLC)											
	Nitroglycerine	1.6	U		0.25	1.6	1.00000	ug/L	137646		12/09/04 1016	bdw

* In Description = Dry Wgt.

STL CHICAGO

Client Sample ID: ASYsw-016-SW

Trace Level Organic Compounds

Lot-Sample #...: G4L070388-004 Work Order #...: G0GP11AC Matrix.....: WATER
Date Sampled...: 12/06/04 14:00 Date Received...: 12/07/04
Prep Date.....: 12/13/04 Analysis Date...: 12/14/04
Prep Batch #...: 4348574
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: ASYsw-016-SW

General Chemistry

Lot-Sample #...: G4L070388-004
Date Sampled...: 12/06/04

Work Order #...: G0GP1
Date Received...: 12/07/04

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	12/16-12/17/04	4352362
		MDL.....: 0.12				

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: HGM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGGS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-017-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-3
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7041	Antimony (GFAA) Antimony	7.5		U	2.5	7.5	1	ug/L	137250		12/16/04 1049	daj
7060A	Arsenic (GFAA) Arsenic	2.0		U	0.51	2.0	1	ug/L	137533		12/16/04 1404	daj
7421	Lead (GFAA) Lead	3.0		U	0.79	3.0	1	ug/L	137522		12/17/04 0809	daj
7841	Thallium (GFAA) Thallium	4.0		U	1.3	4.0	1	ug/L	137277		12/16/04 1120	daj
7470A	Mercury (CVAA) Mercury	0.20		U	0.063	0.20	1	ug/L	137125		12/14/04 1646	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	690			24	150	1	ug/L	138130		12/27/04 1424	Lmr
	Barium	33			1.3	10	1	ug/L	138130		12/27/04 1424	Lmr
	Beryllium	2.0		U	0.25	2.0	1	ug/L	138130		12/27/04 1424	Lmr
	Cadmium	0.30		B	0.25	2.0	1	ug/L	138130		12/27/04 1424	Lmr
	Calcium	8800			9.5	100	1	ug/L	138130		12/27/04 1424	Lmr
	Chromium	1.7		B	1.1	10	1	ug/L	138130		12/27/04 1424	Lmr
	Cobalt	5.0		U	0.80	5.0	1	ug/L	138130		12/27/04 1424	Lmr
	Copper	10		U	2.2	10	1	ug/L	138130		12/27/04 1424	Lmr
	Iron	840			38	120	1	ug/L	138130		12/27/04 1424	Lmr
	Magnesium	1900			8.1	100	1	ug/L	138130		12/27/04 1424	Lmr
	Manganese	110			0.41	10	1	ug/L	138130		12/27/04 1424	Lmr
	Nickel	1.7		B	1.0	10	1	ug/L	138130		12/27/04 1424	Lmr
	Potassium	1200			66	500	1	ug/L	138130		12/27/04 1424	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: MKN Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-017-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-3
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Selenium	15	U	3.0	15	1	ug/L	138130		12/27/04 1424	Lmr
	Silver	1.0	B	0.72	10	1	ug/L	138130		12/27/04 1424	Lmr
	Sodium	940	B	490	1500	1	ug/L	138130		12/27/04 1424	Lmr
	Vanadium	1.3	B	1.0	10	1	ug/L	138130		12/27/04 1424	Lmr
	Zinc	23	B	1.6	30	1	ug/L	138130		12/27/04 1424	Lmr

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232687		LABORATORY TEST RESULTS						Date: 12/28/2004				
CUSTOMER: MKK Engineers, Inc.			PROJECT: USAGE RYAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-017-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 14:25 Sample Matrix.....: Water			Laboratory Sample ID: 232687-3 Date Received.....: 12/11/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	BY	DATE/TIME	TECH
8081A	Organochlorine Pesticide Analysis											
	alpha-BHC	0.15	U		0.046	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	beta-BHC	0.098	U		0.027	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	delta-BHC	0.098	U		0.025	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	gamma-BHC (Lindane)	0.15	U		0.041	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	Heptachlor	0.15	U		0.040	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	Aldrin	0.098	U		0.027	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	Heptachlor epoxide	0.15	U		0.035	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	Endosulfan I	0.098	U		0.021	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	Dieldrin	0.098	U		0.018	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	4,4'-DDE	0.098	U		0.023	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	Endrin	0.098	U	*	0.017	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	Endosulfan II	0.15	U		0.041	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	4,4'-DDD	0.11	U		0.035	0.11	1.00000	ug/L	138145		12/16/04 0128	kdL
	Endosulfan sulfate	0.15	U		0.043	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	4,4'-DDT	0.15	U		0.048	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	Methoxychlor	0.59	U		0.17	0.59	1.00000	ug/L	138145		12/16/04 0128	kdL
	alpha-Chlordane	0.049	U		0.016	0.049	1.00000	ug/L	138145		12/16/04 0128	kdL
	gamma-Chlordane	0.098	U		0.017	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	Endrin aldehyde	0.15	U		0.034	0.15	1.00000	ug/L	138145		12/16/04 0128	kdL
	Endrin ketone	0.098	U		0.028	0.098	1.00000	ug/L	138145		12/16/04 0128	kdL
	Toxaphene	0.49	U		0.14	0.49	1.00000	ug/L	138145		12/16/04 0128	kdL

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 232687		LABORATORY TEST RESULTS						Date: 12/27/2004				
CUSTOMER: MKM Engineers, Inc.			PROJECT: USACE RVAAP 14 AOCs			ATTN: Eric Ellis						
Customer Sample ID: ASYsw-017-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 14:25 Sample Matrix.....: Water			Laboratory Sample ID: 232687-3 Date Received.....: 12/11/2004 Time Received.....: 09:15									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	0.59	U		0.18	0.59	1.00000	ug/L	138079		12/16/04 1838	pjg
	Aroclor 1221	1.3	U		0.41	1.3	1.00000	ug/L	138079		12/16/04 1838	pjg
	Aroclor 1232	1.3	U		0.34	1.3	1.00000	ug/L	138079		12/16/04 1838	pjg
	Aroclor 1242	1.3	U		0.42	1.3	1.00000	ug/L	138079		12/16/04 1838	pjg
	Aroclor 1248	1.5	U		0.47	1.5	1.00000	ug/L	138079		12/16/04 1838	pjg
	Aroclor 1254	1.3	U		0.34	1.3	1.00000	ug/L	138079		12/16/04 1838	pjg
	Aroclor 1260	0.59	U		0.17	0.59	1.00000	ug/L	138079		12/16/04 1838	pjg

* In Description = Dry Wgt.

Page 3

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: M&M Engineers, Inc.

PROJECT: USACE RYAMP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-017-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-3
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Vinyl chloride	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Bromomethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Chloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,1-Dichloroethene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Carbon disulfide	5.0	U		0.20	5.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Acetone	10	U		1.8	10	1.00000	ug/L	137580		12/19/04 0150	ema
	Methylene chloride	1.5	U		0.35	1.5	1.00000	ug/L	137580		12/19/04 0150	ema
	trans-1,2-Dichloroethene	1.0	U		0.14	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,1-Dichloroethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	cis-1,2-Dichloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	2-Butanone (MEK)	10	U		1.2	10	1.00000	ug/L	137580		12/19/04 0150	ema
	Bromochloromethane	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Chloroform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,1,1-Trichloroethane	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Carbon tetrachloride	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Benzene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,2-Dichloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Trichloroethene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,2-Dichloropropane	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Bromodichloromethane	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	cis-1,3-Dichloropropene	1.0	U		0.12	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	4-Methyl-2-pentanone (MIBK)	10	U		0.65	10	1.00000	ug/L	137580		12/19/04 0150	ema
	Toluene	1.0	U		0.10	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	trans-1,3-Dichloropropene	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,1,2-Trichloroethane	1.0	U		0.15	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Tetrachloroethene	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	2-Hexanone	10	U		0.53	10	1.00000	ug/L	137580		12/19/04 0150	ema

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RMAAP 14 AGCS

ATTN: ERIC ELLIS

Customer Sample ID: ASYsw-017-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-3
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDE	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	1.0	U		0.060	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,2-Dibromoethane (EDB)	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Chlorobenzene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Ethylbenzene	1.0	U		0.070	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	m&p-Xylenes	2.0	U		0.18	2.0	1.00000	ug/L	137580		12/19/04 0150	ema
	o-Xylene	1.0	U		0.080	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Styrene	1.0	U		0.13	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Bromoform	1.0	U		0.11	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,1,2,2-Tetrachloroethane	1.0	U		0.090	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	1,2-Dichloroethene (total)	1.0	U		0.23	1.0	1.00000	ug/L	137580		12/19/04 0150	ema
	Xylenes (total)	1.0	U		0.28	1.0	1.00000	ug/L	137580		12/19/04 0150	ema

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: PKM Engineers, Inc.

PROJECT: USACE RVAAP 14 ADCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-017-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-3
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatle Organics											
	Phenol, Low Level Water	4.8	U		0.33	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Bis(2-chloroethyl)ether, Low Level Water	1.9	U		0.29	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	1,3-Dichlorobenzene, Low Level Water	1.9	U		0.41	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	1,4-Dichlorobenzene, Low Level Water	1.9	U		0.31	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	1,2-Dichlorobenzene, Low Level Water	1.9	U		0.33	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	Benzyl alcohol, Low Level Water	19	U		2.1	19	1.00000	ug/L	137856		12/15/04 2243	dpk
	2-Methylphenol (o-cresol), Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,2-oxybis (1-chloropropane), Low Level Water	1.9	U		0.27	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	n-Nitroso-di-n-propylamine, Low Level Water	0.48	U		0.077	0.48	1.00000	ug/L	137856		12/15/04 2243	dpk
	Hexachloroethane, Low Level Water	4.8	U		0.58	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	4-Methylphenol (m/p-cresol), Low Level Water	1.9	U		0.095	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	2-Chlorophenol, Low Level Water	4.8	U		0.11	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Nitrobenzene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	Bis(2-chloroethoxy)methane, Low Level Water	1.9	U		0.30	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	1,2,4-Trichlorobenzene, Low Level Water	1.9	U		0.32	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	Benzoic acid, Low Level Water	19	U	*	2.9	19	1.00000	ug/L	137856		12/15/04 2243	dpk
	Isophorone, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,4-Dimethylphenol, Low Level Water	9.5	U		1.2	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	Hexachlorobutadiene, Low Level Water	4.8	U		0.61	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Naphthalene, Low Level Water	0.95	U		0.15	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,4-Dichlorophenol, Low Level Water	9.5	U		0.87	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	4-Chloroaniline, Low Level Water	9.5	U		2.7	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,4,6-Trichlorophenol, Low Level Water	4.8	U		0.20	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,4,5-Trichlorophenol, Low Level Water	9.5	U		1.3	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	Hexachlorocyclopentadiene, Low Level Water	19	U		0.62	19	1.00000	ug/L	137856		12/15/04 2243	dpk
	2-Nethylnaphthalene, Low Level Water	0.48	U		0.12	0.48	1.00000	ug/L	137856		12/15/04 2243	dpk
	2-Nitroaniline, Low Level Water	4.8	U		0.21	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	2-Chloronaphthalene, Low Level Water	1.9	U		0.25	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/22/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AOCs

ATTN: Eric Ellis

Customer Sample ID: ASYsw-D17-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-3
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MCL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Chloro-3-methylphenol, Low Level Water	9.5	U		2.3	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,6-Dinitrotoluene, Low Level Water	0.48	U		0.10	0.48	1.00000	ug/L	137856		12/15/04 2243	dpk
	2-Nitrophenol, Low Level Water	9.5	U		0.78	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	3-Nitroaniline, Low Level Water	9.5	U		2.0	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	Dimethyl phthalate, Low Level Water	1.9	U		0.20	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,4-Dinitrophenol, Low Level Water	19	U		3.1	19	1.00000	ug/L	137856		12/15/04 2243	dpk
	Acenaphthylene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	2,4-Dinitrotoluene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	Acenaphthene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	Dibenzofuran, Low Level Water	1.9	U		0.12	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	4-Nitrophenol, Low Level Water	19	U		3.5	19	1.00000	ug/L	137856		12/15/04 2243	dpk
	Fluorene, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	4-Nitroaniline, Low Level Water	9.5	U		2.2	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	4-Bromophenyl phenyl ether, Low Level Water	4.8	U		0.18	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Hexachlorobenzene, Low Level Water	0.48	U		0.092	0.48	1.00000	ug/L	137856		12/15/04 2243	dpk
	Diethyl phthalate, Low Level Water	1.9	U		0.14	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	4-Chlorophenyl phenyl ether, Low Level Water	4.8	U		0.71	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Pentachlorophenol, Low Level Water	9.5	U		1.6	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	n-Nitrosodiphenylamine, Low Level Water	0.95	U		0.12	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	4,6-Dinitro-2-methylphenol, Low Level Water	19	U		2.3	19	1.00000	ug/L	137856		12/15/04 2243	dpk
	Phenanthrene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	Anthracene, Low Level Water	0.95	U		0.14	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	Carbazole, Low Level Water	4.8	U		0.28	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Di-n-butyl phthalate, Low Level Water	4.8	U		0.34	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Fluoranthene, Low Level Water	0.95	U		0.13	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	Pyrene, Low Level Water	0.95	U		0.11	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk
	Butyl benzyl phthalate, Low Level Water	1.9	U		0.37	1.9	1.00000	ug/L	137856		12/15/04 2243	dpk
	Benzo(a)anthracene, Low Level Water	0.19	U		0.047	0.19	1.00000	ug/L	137856		12/15/04 2243	dpk
	Chrysene, Low Level Water	0.48	U		0.043	0.48	1.00000	ug/L	137856		12/15/04 2243	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 232687						Date: 12/22/2004						
CUSTOMER: MKM Engineers, Inc.				PROJECT: USACE RVAAP 14 AGCS				ATTN: Eric Ellis				
Customer Sample ID: ASYsw-017-SW Date Sampled.....: 12/10/2004 Time Sampled.....: 14:25 Sample Matrix.....: Water						Laboratory Sample ID: 232687-3 Date Received.....: 12/11/2004 Time Received.....: 09:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3,3-Dichlorobenzidine, Low Level Water	4.8	U		0.69	4.8	1.00000	ug/L	137856		12/15/04 2243	dpk
	Bis(2-ethylhexyl)phthalate, Low Level Water	14	U		3.7	14	1.00000	ug/L	137856		12/15/04 2243	dpk
	Di-n-octyl phthalate, Low Level Water	9.5	U		2.4	9.5	1.00000	ug/L	137856		12/15/04 2243	dpk
	Benzo(b)fluoranthene, Low Level Water	0.38	U		0.064	0.38	1.00000	ug/L	137856		12/15/04 2243	dpk
	Benzo(k)fluoranthene, Low Level Water	0.38	U		0.069	0.38	1.00000	ug/L	137856		12/15/04 2243	dpk
	Benzo(a)pyrene, Low Level Water	0.38	U		0.080	0.38	1.00000	ug/L	137856		12/15/04 2243	dpk
	Indeno(1,2,3-cd)pyrene, Low Level Water	0.38	U		0.082	0.38	1.00000	ug/L	137856		12/15/04 2243	dpk
	Dibenzo(a,h)anthracene, Low Level Water	0.38	U		0.12	0.38	1.00000	ug/L	137856		12/15/04 2243	dpk
	Benzo(ghi)perylene, Low Level Water	0.95	U		0.18	0.95	1.00000	ug/L	137856		12/15/04 2243	dpk

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 232687

Date: 12/28/2004

CUSTOMER: MKM Engineers, Inc.

PROJECT: USACE RVAAP 14 AGCS

ATTN: Eric Ellis

Customer Sample ID: ASYsw-017-SW
 Date Sampled.....: 12/10/2004
 Time Sampled.....: 14:25
 Sample Matrix.....: Water

Laboratory Sample ID: 232687-3
 Date Received.....: 12/11/2004
 Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8330	Explosives by 8330 (HPLC)										
	HMX	0.46	U	0.10	0.46	1.00000	ug/L	138110		12/17/04 1208	san
	RDX	0.30	U	0.096	0.30	1.00000	ug/L	138110		12/17/04 1208	san
	1,3,5-Trinitrobenzene	0.30	U	0.087	0.30	1.00000	ug/L	138110		12/17/04 1208	san
	1,3-Dinitrobenzene	0.30	U	0.082	0.30	1.00000	ug/L	138110		12/17/04 1208	san
	Nitrobenzene	0.24	U	0.066	0.24	1.00000	ug/L	138110		12/17/04 1208	san
	2,4,6-TNT	0.38	U	0.12	0.38	1.00000	ug/L	138110		12/17/04 1208	san
	Tetryl	1.2	U	0.25	1.2	1.00000	ug/L	138110		12/17/04 1208	san
	2,4-Dinitrotoluene	0.54	U	0.18	0.54	1.00000	ug/L	138110		12/17/04 1208	san
	2,6-Dinitrotoluene	0.64	U	0.21	0.64	1.00000	ug/L	138110		12/17/04 1208	san
	2-Amino-4,6-Dinitrotoluene	0.54	U	0.18	0.54	1.00000	ug/L	138110		12/17/04 1208	san
	4-Amino-2,6-Dinitrotoluene	0.50	U	0.17	0.50	1.00000	ug/L	138110		12/17/04 1208	san
	2-Nitrotoluene	0.46	U	0.14	0.46	1.00000	ug/L	138110		12/17/04 1208	san
	4-Nitrotoluene	0.46	U	0.15	0.46	1.00000	ug/L	138110		12/17/04 1208	san
	3-Nitrotoluene	0.46	U	0.15	0.46	1.00000	ug/L	138110		12/17/04 1208	san
8332M	NG/PETN by 8332M (HPLC)										
	Nitroglycerine	1.5	U	0.22	1.5	1.00000	ug/L	138124		12/21/04 0811	san

* In Description = Dry Wgt.

Page 4

STL CHICAGO

Client Sample ID: ASYsw-017-SW

Trace Level Organic Compounds

Lot-Sample #....: G4L110237-001 Work Order #....: GOV5J1AC Matrix.....: WATER
Date Sampled....: 12/10/04 14:25 Date Received...: 12/11/04
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: ASYsw-017-SW

General Chemistry

Lot-Sample #...: G4L110237-001

Work Order #...: G0V5J

Matrix.....: WATER

Date Sampled...: 12/10/04 14:25

Date Received...: 12/11/04

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	12/21-12/22/04	4356659
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol...: 40 mL	
		MDL.....: 0.12				