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ANALYTICAL REPORT

PROJECT NO. 142541

Focus/US Filter Westates SVOC

Lot #: H6D030245

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ANALYTICAL METHODS SUMMARY

H6D030245

PARAMETER	ANALYTICAL METHOD
Organochlorine Pesticides	SW846 8081A
Semivolatile Organic Compounds by GC/MS	SW846 8270C

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

H6D030245

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2H3J	001	G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A	03/28/06	
H2H3L	002	G-2921/2922-R1-MM5 BACK HALF COMPOSITE TRAIN A	03/28/06	
H2H3M	003	G-2923/2924-R1-MM5 IMPINGER COMPOSITE TRAIN A	03/28/06	
H2H3N	004	G-3017/3018-R2-MM5 FRONT HALF COMPOSITE TRAIN A	03/29/06	
H2H3P	005	G-3019/3020-R2-MM5 BACK HALF COMPOSITE TRAIN A	03/29/06	
H2H3Q	006	G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A	03/29/06	
H2H3R	007	G-3023/3024-R2-MM5 FRONT HALF COMPOSITE BT A	03/28/06	
H2H3T	008	G-3025/3026-R2-MM5 BACK HALF COMPOSITE BT A	03/28/06	
H2H3V	009	G-3027/3028-R2-MM5 IMPINGER COMPOSITE BT A	03/28/06	
H2H3W	010	G-3029-R2-MM5 TRAIN A XAD-2 TRIP/RB	03/30/06	
H2H3X	011	G-3103/3104-R3-MM5 FRONT HALF COMPOSITE TRAIN A	03/30/06	
H2H30	012	G-3105/3106-R3-MM5 BACK HALF COMPOSITE TRAIN A	03/30/06	
H2H31	013	G-3107/3108-R3-MM5 IMPINGER COMPOSITE TRAIN A	03/30/06	
H2H32	014	A-5375 MEDIA CHECK XAD	03/28/06	
H2H33	015	A-5377 MEDIA CHECK FILTER	03/28/06	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
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The results reported herein are applicable to the samples submitted for analysis only.

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The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present upon sample receipt at STL Knoxville; however, samples were hand delivered.

The "Relinquished by" field on the chain of custody documentation did not contain a signature.

Quality Control

Unless otherwise noted, all holding times and QC criteria were met, and the test results shown in this report meet all applicable NELAC requirements.

Semivolatile Organic Sampling Train Preparation and Analysis

The semi-volatile organic sampling train components were extracted and analyzed using STL Knoxville standard operating procedures KNOX-OP-0009 and KNOX-MS-0016, based on the following methods:

- SW-846 3542, "Extraction of Semivolatile Analytes Collected Using Method 0010 (Modified Method 5 Sampling Train)"
- SW-846 8270C, "Semivolatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS)"

The sampling trains are prepared as three analytical fractions: The particulate filter and front half of the filter holder, nozzle and probe solvent rinses are combined as one

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sample. The XAD-2 resin trap and back half of the filter holder, coil condenser and connecting glassware solvent rinses are combined as a separate sample. The condensate, impinger contents and their related glassware solvent rinses make up a third sample.

The filters and XAD components are spiked with the method 8270C surrogates and the components are Soxhlet extracted with methylene chloride. The filters and XAD extracts are concentrated to 0.5 mL and analyzed by GCMS. The condensates are spiked with the surrogates and extracted using a continuous liquid-liquid extractor. The condensate extracts are concentrated to 1.0 mL and analyzed by GCMS.

Sample results were calculated using the following equation:

$$\text{Result, ug} = (\textit{On column concentration, ng / uL}) x \left(\frac{\textit{Volume final extract, uL}}{1\ \textit{Sample}} \right) x \left(\frac{1\,ug}{1000\,ng} \right) x\ DF\ x\ SF$$

Where: DF = Bench Dilution Factor
SF = Extraction Split Factor

*If the entire sample is not extracted, the fractional amount of sample used is entered into the above equation.

The following sample extracts were very acidic after concentration (pH was less than 2):
G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A
G-2923/2924-R1-MM5 IMPINGER COMPOSITE TRAIN A
G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A
G-3107/3108-R3-MM5 IMPINGER COMPOSITE TRAIN A

These extracts, (including sample G-3027/3028-R2-MM5 IMPINGER COMPOSITE BT A that had a normal pH), were treated as follows to remove the acidity from the extracts prior to analysis. The method blank (H2PKP1AA) and LCS/LCSD (H2PKP1AC/H2PKP1AD) were treated in the same manner. 0.5 mL of the sample extracts (300 uL was taken from G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A) were brought to 10 mL with methylene chloride. The samples were then washed with 20 mL reagent water. The water layer was removed and the methylene chloride layer was filter through sodium sulfate. The extracts were then concentrated to a

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final volume of 0.5 mL (except G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A was taken to a final volume of 300 uL).

One or more surrogate recoveries for samples G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A, G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A, and A-5377 MEDIA CHECK FILTER were outside QC limits. However, reextraction and reanalysis were not possible since the entire sample was consumed during extraction. Since the recoveries were low, the results for the sample(s) may be biased low

The laboratory control sample and laboratory control sample duplicate results for batch 6096189 (H2PKP1AC/H2PKP1AD) were outside control limits for control analytes 4-chloro-3-methylphenol, 4-nitrophenol and phenol. In addition, the laboratory control sample result for control analyte pentachlorophenol was outside control limits. However, re-extraction and reanalysis of the associated sample(s) were not possible since the entire sample was consumed during extraction.

Due to limited sample volume, a laboratory control sample/laboratory control sample duplicate was performed instead of a matrix spike/matrix spike duplicate in batches 6096185, 6096187 and 6096189.

Pesticides

Due to limited sample volume, a laboratory control sample/laboratory control sample duplicate was performed instead of a matrix spike/matrix spike duplicate.

Some samples had more than 40% difference between the primary column and the confirmation column for one or more analytes. The lower of the two results were reported.

Sample Data Summary

STL Knoxville - ACS

Client Sample ID: G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-001 **Work Order #...:** H2H3J1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	0.77
Aniline	ND	20	ug	0.95
Anthracene	ND	10	ug	0.51
Benzaldehyde	ND	10	ug	2.6
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.82
Benzo(b)fluoranthene	ND	10	ug	1.4
Benzo(k)fluoranthene	ND	10	ug	2.1
Benzoic acid	ND	100	ug	42
Benzonitrile	ND	10	ug	2.4
Benzo(ghi)perylene	ND	10	ug	2.8
Benzo(a)pyrene	ND	10	ug	1.0
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.59
bis(2-Chloroethyl)-ether	ND	10	ug	0.76
bis(2-Ethylhexyl) phthalate	**5.7 J**	**10**	**ug**	**3.3**
4-Bromophenyl phenyl ether	ND	10	ug	0.53
Butyl benzyl phthalate	ND	10	ug	1.1
Carbazole	ND	10	ug	0.76
4-Chloroaniline	ND	10	ug	1.2
4-Chloro-3-methylphenol	ND	10	ug	1.0
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.98
4-Chlorophenyl phenyl ether	ND	10	ug	0.51
Chrysene	ND	10	ug	0.88
Dibenz(a,h)anthracene	ND	10	ug	2.0
Dibenzofuran	ND	10	ug	0.53
Di-n-butyl phthalate	ND	10	ug	0.71
1,2-Dichlorobenzene	ND	10	ug	0.84
1,3-Dichlorobenzene	ND	10	ug	1.2
1,4-Dichlorobenzene	ND	10	ug	1.1
3,3'-Dichlorobenzidine	ND	50	ug	2.7

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STL Knoxville - ACS

Client Sample ID: G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-001 **Work Order #...:** H2H3J1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	1.5
Diethyl phthalate	ND	10	ug	1.5
2,4-Dimethylphenol	ND	10	ug	2.9
Dimethyl phthalate	ND	10	ug	0.63
1,3-Dinitrobenzene	ND	10	ug	0.59
4,6-Dinitro-2-methylphenol	ND	50	ug	5.0
2,4-Dinitrophenol	ND	50	ug	5.9
2,4-Dinitrotoluene	ND	10	ug	1.6
2,6-Dinitrotoluene	ND	10	ug	1.3
Di-n-octyl phthalate	ND	10	ug	2.1
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.63
Fluoranthene	ND	10	ug	0.50
Fluorene	ND	10	ug	0.51
Hexachlorobenzene	ND	10	ug	0.56
Hexachlorobutadiene	ND	10	ug	1.4
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	2.5
Indeno(1,2,3-cd)pyrene	ND	10	ug	2.1
Isophorone	ND	10	ug	0.66
2-Methylnaphthalene	ND	10	ug	0.56
2-Methylphenol	ND	10	ug	2.3
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.3
Naphthalene	ND	10	ug	0.50
2-Nitroaniline	ND	50	ug	0.56
3-Nitroaniline	ND	50	ug	3.8
4-Nitroaniline	ND	50	ug	2.3
Nitrobenzene	ND	10	ug	0.73
2-Nitrophenol	ND	10	ug	3.2
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.72
N-Nitrosodiphenylamine	ND	10	ug	0.60
N-Nitrosodi-n-propylamine	ND	10	ug	0.73
Pentachlorobenzene	ND	10	ug	0.52
Pentachloronitrobenzene	ND	10	ug	0.76
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.51
Phenol	ND	10	ug	1.1
2,2'-oxybis(1-Chloropropane)	ND	10	ug	1.0

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Client Sample ID: G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-001 **Work Order #...:** H2H3J1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.74
Pyridine	ND	20	ug	0.89
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.87
1,2,4-Trichloro-benzene	ND	10	ug	0.73
2,4,5-Trichloro-phenol	ND	10	ug	2.3
2,4,6-Trichloro-phenol	ND	10	ug	1.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	17 *	(19 - 100)
Phenol-d5	15	(15 - 124)
Nitrobenzene-d5	19 *	(35 - 122)
2-Fluorobiphenyl	26 *	(34 - 115)
2,4,6-Tribromophenol	31 *	(33 - 130)
Terphenyl-d14	40	(28 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

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G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-001 **Work Order #:** H2H3J1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
3-Penten-2-one, 4-methyl-	141-79-7	95 NJ	M	2.4255	ug
Unknown		4.5 NJ	M	2.5254	ug
Unknown		7.4 NJ	M	2.7017	ug
Unknown		52 NJ	M	2.7428	ug
Unknown		5.3 NJ	M	2.9132	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

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Client Sample ID: G-2921/2922-R1-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-002 **Work Order #...:** H2H3L1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	**3.9 J**	**10**	**ug**	**2.4**
Aniline	ND	20	ug	7.3
Anthracene	ND	10	ug	0.50
Benzaldehyde	**6.4 J**	**10**	**ug**	**2.0**
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.58
Benzo(b)fluoranthene	ND	10	ug	1.1
Benzo(k)fluoranthene	ND	10	ug	1.6
Benzoic acid	ND	100	ug	46
Benzonitrile	ND	10	ug	1.7
Benzo(ghi)perylene	ND	10	ug	0.62
Benzo(a)pyrene	ND	10	ug	0.50
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.50
bis(2-Chloroethyl)-ether	ND	10	ug	0.56
bis(2-Ethylhexyl) phthalate	ND	20	ug	10
4-Bromophenyl phenyl ether	ND	10	ug	0.50
Butyl benzyl phthalate	ND	10	ug	0.61
Carbazole	ND	10	ug	0.64
4-Chloroaniline	ND	20	ug	6.0
4-Chloro-3-methylphenol	ND	10	ug	0.62
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.50
4-Chlorophenyl phenyl ether	ND	10	ug	0.50
Chrysene	ND	10	ug	0.64
Dibenz(a,h)anthracene	ND	10	ug	0.60
Dibenzofuran	ND	10	ug	0.50
Di-n-butyl phthalate	ND	20	ug	10
1,2-Dichlorobenzene	ND	10	ug	0.51
1,3-Dichlorobenzene	ND	10	ug	0.57
1,4-Dichlorobenzene	ND	10	ug	0.53
3,3'-Dichlorobenzidine	ND	50	ug	7.4

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Client Sample ID: G-2921/2922-R1-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-002 **Work Order #...:** H2H3L1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	0.50
Diethyl phthalate	ND	10	ug	0.73
2,4-Dimethylphenol	ND	10	ug	6.3
Dimethyl phthalate	ND	10	ug	0.50
1,3-Dinitrobenzene	ND	10	ug	0.52
4,6-Dinitro-2-methylphenol	ND	50	ug	8.7
2,4-Dinitrophenol	ND	50	ug	22
2,4-Dinitrotoluene	ND	10	ug	0.50
2,6-Dinitrotoluene	ND	10	ug	0.50
Di-n-octyl phthalate	ND	10	ug	0.56
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.50
Fluoranthene	ND	10	ug	0.54
Fluorene	ND	10	ug	0.50
Hexachlorobenzene	ND	10	ug	0.50
Hexachlorobutadiene	ND	10	ug	0.74
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	0.54
Indeno(1,2,3-cd)pyrene	ND	10	ug	0.54
Isophorone	ND	10	ug	0.50
2-Methylnaphthalene	ND	10	ug	0.50
2-Methylphenol	ND	10	ug	3.0
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.0
Naphthalene	ND	10	ug	0.60
2-Nitroaniline	ND	50	ug	0.50
3-Nitroaniline	ND	50	ug	2.0
4-Nitroaniline	ND	50	ug	2.0
Nitrobenzene	ND	10	ug	0.57
2-Nitrophenol	ND	10	ug	0.50
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.50
N-Nitrosodiphenylamine	ND	10	ug	0.87
N-Nitrosodi-n-propylamine	ND	10	ug	0.50
Pentachlorobenzene	ND	10	ug	0.50
Pentachloronitrobenzene	ND	50	ug	0.50
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.50
Phenol	ND	10	ug	0.90
2,2'-oxybis(1-Chloropropane)	ND	10	ug	0.76

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Client Sample ID: G-2921/2922-R1-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-002 **Work Order #...:** H2H3L1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.53
Pyridine	ND	20	ug	0.74
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.50
1,2,4-Trichloro-benzene	ND	10	ug	0.59
2,4,5-Trichloro-phenol	ND	10	ug	1.3
2,4,6-Trichloro-phenol	ND	10	ug	0.75

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(19 - 100)
Phenol-d5	55	(15 - 124)
Nitrobenzene-d5	53	(35 - 122)
2-Fluorobiphenyl	63	(34 - 115)
2,4,6-Tribromophenol	56	(33 - 130)
Terphenyl-d14	69	(28 - 132)
13C6-Naphthalene	70	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

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G-2921/2922-R1-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-002 **Work Order #:** H2H3L1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		70 NJ	M	2.1494	ug
Toluene	108-88-3	26 NJ	M	2.2316	ug
Methane, dibromochloro-	124-48-1	9.7 NJ	M	2.4314	ug
Tetrachloroethylene	127-18-4	75 NJ	M	2.543	ug
Unknown		4.1 NJ	M	2.6018	ug
Unknown		9.3 NJ	M	2.6547	ug
Heptane, 2,5-dimethyl-	2216-30-0	18 NJ	M	2.7075	ug
Unknown		590 NJ	M	2.7781	ug
Benzene, chloro-	108-90-7	420 NJ	M	2.8251	ug
Methane, tribromo-	75-25-2	10 NJ	M	3.1365	ug
Benzaldehyde, 4-ethyl-	4748-78-1	5.9 NJ	M	5.5337	ug
Phosphine imide, P,P,P-triphen	2240-47-3	4.8 NJ	M	12.114	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

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Client Sample ID: G-2923/2924-R1-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-003 **Work Order #...:** H2H3M1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 2.41 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	24	ug	1.8
Acenaphthylene	ND	24	ug	1.5
Acetophenone	ND	24	ug	2.4
Aniline	ND	48	ug	17
Anthracene	ND	24	ug	1.5
Benzaldehyde	ND	24	ug	2.0
Benzidine	ND	240	ug	60
Benzo(a)anthracene	ND	24	ug	1.6
Benzo(b)fluoranthene	ND	24	ug	3.9
Benzo(k)fluoranthene	ND	24	ug	2.7
Benzoic acid	ND	120	ug	8.7
Benzonitrile	ND	24	ug	2.4
Benzo(ghi)perylene	ND	24	ug	2.0
Benzo(a)pyrene	ND	24	ug	1.6
Benzyl alcohol	ND	24	ug	1.8
bis(2-Chloroethoxy) methane	ND	24	ug	1.8
bis(2-Chloroethyl)-ether	ND	24	ug	1.5
bis(2-Ethylhexyl) phthalate	**18 J**	**24**	**ug**	**1.9**
4-Bromophenyl phenyl ether	ND	24	ug	1.3
Butyl benzyl phthalate	ND	24	ug	2.1
Carbazole	ND	24	ug	2.0
4-Chloroaniline	ND	24	ug	7.3
4-Chloro-3-methylphenol	ND	24	ug	6.0
2-Chloronaphthalene	ND	24	ug	1.3
2-Chlorophenol	ND	24	ug	1.5
4-Chlorophenyl phenyl ether	ND	24	ug	2.9
Chrysene	ND	24	ug	1.2
Dibenz(a,h)anthracene	ND	24	ug	2.6
Dibenzofuran	ND	24	ug	2.7
Di-n-butyl phthalate	ND	24	ug	2.1
1,2-Dichlorobenzene	ND	24	ug	1.6
1,3-Dichlorobenzene	ND	24	ug	1.3
1,4-Dichlorobenzene	ND	24	ug	1.9
3,3'-Dichlorobenzidine	ND	120	ug	7.1

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STL Knoxville - ACS

Client Sample ID: G-2923/2924-R1-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-003 **Work Order #...:** H2H3M1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	24	ug	2.1
Diethyl phthalate	ND	24	ug	1.3
2,4-Dimethylphenol	ND	24	ug	1.4
Dimethyl phthalate	ND	24	ug	1.2
1,3-Dinitrobenzene	ND	24	ug	2.7
4,6-Dinitro-2-methylphenol	ND	120	ug	1.3
2,4-Dinitrophenol	ND	120	ug	3.7
2,4-Dinitrotoluene	ND	24	ug	2.5
2,6-Dinitrotoluene	ND	24	ug	1.9
Di-n-octyl phthalate	ND	24	ug	2.3
Diphenylamine	ND	24	ug	2.7
1,2-Diphenylhydrazine	ND	24	ug	1.3
Fluoranthene	ND	24	ug	1.6
Fluorene	ND	24	ug	2.5
Hexachlorobenzene	ND	24	ug	2.4
Hexachlorobutadiene	ND	24	ug	1.8
Hexachlorocyclopentadiene	ND	120	ug	6.0
Hexachloroethane	ND	24	ug	1.8
Indeno(1,2,3-cd)pyrene	ND	24	ug	2.1
Isophorone	ND	24	ug	1.6
2-Methylnaphthalene	ND	24	ug	2.1
2-Methylphenol	ND	24	ug	1.9
3-Methylphenol & 4-Methylphenol	ND	24	ug	2.0
Naphthalene	ND	24	ug	1.6
2-Nitroaniline	ND	120	ug	2.6
3-Nitroaniline	ND	120	ug	4.3
4-Nitroaniline	ND	120	ug	3.5
Nitrobenzene	ND	24	ug	1.5
2-Nitrophenol	ND	24	ug	2.4
4-Nitrophenol	ND	120	ug	3.5
N-Nitrosodimethylamine	ND	24	ug	2.0
N-Nitrosodiphenylamine	ND	24	ug	1.3
N-Nitrosodi-n-propylamine	ND	24	ug	2.1
Pentachlorobenzene	ND	24	ug	2.1
Pentachloronitrobenzene	ND	24	ug	2.4
Pentachlorophenol	ND	120	ug	3.2
Phenanthrene	ND	24	ug	1.7
Phenol	ND	24	ug	2.0
2,2'-oxybis(1-Chloropropane)	ND	24	ug	1.6

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-2923/2924-R1-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-003 **Work Order #...:** H2H3M1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	24	ug	1.3
Pyridine	ND	48	ug	4.9
1,2,4,5-Tetrachloro-benzene	ND	24	ug	2.0
1,2,4-Trichloro-benzene	ND	24	ug	2.0
2,4,5-Trichloro-phenol	ND	24	ug	2.0
2,4,6-Trichloro-phenol	ND	24	ug	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(19 - 100)
Phenol-d5	78	(15 - 124)
Nitrobenzene-d5	98	(35 - 122)
2-Fluorobiphenyl	118 *	(34 - 115)
2,4,6-Tribromophenol	123	(33 - 130)
Terphenyl-d14	153 *	(28 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-2923/2924-R1-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-003 **Work Order #:** H2H3M1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
3-Penten-2-one, (E)-	3102-33-8	22 NJ	M	2.026	ug
3-Penten-2-one, 4-methyl-	141-79-7	230 NJ	M	2.4255	ug
Unknown		40 NJ	M	2.5254	ug
Unknown		18 NJ	M	2.5724	ug
Octane, 2-methyl-	3221-61-2	13 NJ	M	2.6488	ug
Heptane, 2,5-dimethyl-	2216-30-0	24 NJ	M	2.7017	ug
Unknown		1400 NJ	M	2.7781	ug
Unknown		47 NJ	M	4.5642	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3017/3018-R2-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-004 **Work Order #...:** H2H3N1AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	0.77
Aniline	ND	20	ug	0.95
Anthracene	ND	10	ug	0.51
Benzaldehyde	ND	10	ug	2.6
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.82
Benzo(b)fluoranthene	ND	10	ug	1.4
Benzo(k)fluoranthene	ND	10	ug	2.1
Benzoic acid	ND	100	ug	42
Benzonitrile	ND	10	ug	2.4
Benzo(ghi)perylene	ND	10	ug	2.8
Benzo(a)pyrene	ND	10	ug	1.0
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.59
bis(2-Chloroethyl)-ether	ND	10	ug	0.76
bis(2-Ethylhexyl) phthalate	ND	10	ug	3.3
4-Bromophenyl phenyl ether	ND	10	ug	0.53
Butyl benzyl phthalate	ND	10	ug	1.1
Carbazole	ND	10	ug	0.76
4-Chloroaniline	ND	10	ug	1.2
4-Chloro-3-methylphenol	ND	10	ug	1.0
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.98
4-Chlorophenyl phenyl ether	ND	10	ug	0.51
Chrysene	ND	10	ug	0.88
Dibenz(a,h)anthracene	ND	10	ug	2.0
Dibenzofuran	ND	10	ug	0.53
Di-n-butyl phthalate	ND	10	ug	0.71
1,2-Dichlorobenzene	ND	10	ug	0.84
1,3-Dichlorobenzene	ND	10	ug	1.2
1,4-Dichlorobenzene	ND	10	ug	1.1
3,3'-Dichlorobenzidine	ND	50	ug	2.7

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STL Knoxville - ACS

Client Sample ID: G-3017/3018-R2-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-004 **Work Order #...:** H2H3N1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	1.5
Diethyl phthalate	ND	10	ug	1.5
2,4-Dimethylphenol	ND	10	ug	2.9
Dimethyl phthalate	ND	10	ug	0.63
1,3-Dinitrobenzene	ND	10	ug	0.59
4,6-Dinitro-2-methylphenol	ND	50	ug	5.0
2,4-Dinitrophenol	ND	50	ug	5.9
2,4-Dinitrotoluene	ND	10	ug	1.6
2,6-Dinitrotoluene	ND	10	ug	1.3
Di-n-octyl phthalate	ND	10	ug	2.1
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.63
Fluoranthene	ND	10	ug	0.50
Fluorene	ND	10	ug	0.51
Hexachlorobenzene	ND	10	ug	0.56
Hexachlorobutadiene	ND	10	ug	1.4
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	2.5
Indeno(1,2,3-cd)pyrene	ND	10	ug	2.1
Isophorone	ND	10	ug	0.66
2-Methylnaphthalene	ND	10	ug	0.56
2-Methylphenol	ND	10	ug	2.3
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.3
Naphthalene	ND	10	ug	0.50
2-Nitroaniline	ND	50	ug	0.56
3-Nitroaniline	ND	50	ug	3.8
4-Nitroaniline	ND	50	ug	2.3
Nitrobenzene	ND	10	ug	0.73
2-Nitrophenol	ND	10	ug	3.2
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.72
N-Nitrosodiphenylamine	ND	10	ug	0.60
N-Nitrosodi-n-propylamine	ND	10	ug	0.73
Pentachlorobenzene	ND	10	ug	0.52
Pentachloronitrobenzene	ND	10	ug	0.76
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.51
Phenol	ND	10	ug	1.1
2,2'-oxybis(1-Chloropropane)	ND	10	ug	1.0

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STL Knoxville - ACS

Client Sample ID: G-3017/3018-R2-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-004 **Work Order #...:** H2H3N1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.74
Pyridine	ND	20	ug	0.89
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.87
1,2,4-Trichloro-benzene	ND	10	ug	0.73
2,4,5-Trichloro-phenol	ND	10	ug	2.3
2,4,6-Trichloro-phenol	ND	10	ug	1.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	39	(19 - 100)
Phenol-d5	41	(15 - 124)
Nitrobenzene-d5	43	(35 - 122)
2-Fluorobiphenyl	49	(34 - 115)
2,4,6-Tribromophenol	46	(33 - 130)
Terphenyl-d14	64	(28 - 132)

STL Knoxville - ACS

G-3017/3018-R2-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-004 **Work Order #:** H2H3N1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Furan, 2,5-dimethyl-	625-86-5	4.6 NJ	M	1.8496	ug
Unknown		5.4 NJ	M	1.9671	ug
Unknown		4.8 NJ	M	2.5253	ug
Unknown		8.6 NJ	M	2.6545	ug
Heptane, 2,5-dimethyl-	2216-30-0	18 NJ	M	2.7074	ug
Unknown		82 NJ	M	2.7485	ug
3-Hexene-2,5-dione	4436-75-3	5.2 NJ	M	3.671	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3019/3020-R2-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-005 **Work Order #...:** H2H3P1AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	**4.0 J**	**10**	**ug**	**2.4**
Aniline	ND	20	ug	7.3
Anthracene	ND	10	ug	0.50
Benzaldehyde	**5.1 J**	**10**	**ug**	**2.0**
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.58
Benzo(b)fluoranthene	ND	10	ug	1.1
Benzo(k)fluoranthene	ND	10	ug	1.6
Benzoic acid	ND	100	ug	46
Benzonitrile	ND	10	ug	1.7
Benzo(ghi)perylene	ND	10	ug	0.62
Benzo(a)pyrene	ND	10	ug	0.50
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.50
bis(2-Chloroethyl)-ether	ND	10	ug	0.56
bis(2-Ethylhexyl) phthalate	ND	20	ug	10
4-Bromophenyl phenyl ether	ND	10	ug	0.50
Butyl benzyl phthalate	ND	10	ug	0.61
Carbazole	ND	10	ug	0.64
4-Chloroaniline	ND	20	ug	6.0
4-Chloro-3-methylphenol	ND	10	ug	0.62
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.50
4-Chlorophenyl phenyl ether	ND	10	ug	0.50
Chrysene	ND	10	ug	0.64
Dibenz(a,h)anthracene	ND	10	ug	0.60
Dibenzofuran	ND	10	ug	0.50
Di-n-butyl phthalate	ND	20	ug	10
1,2-Dichlorobenzene	ND	10	ug	0.51
1,3-Dichlorobenzene	ND	10	ug	0.57
1,4-Dichlorobenzene	ND	10	ug	0.53
3,3'-Dichlorobenzidine	ND	50	ug	7.4

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STL Knoxville - ACS

Client Sample ID: G-3019/3020-R2-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-005 **Work Order #...:** H2H3P1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	0.50
Diethyl phthalate	ND	10	ug	0.73
2,4-Dimethylphenol	ND	10	ug	6.3
Dimethyl phthalate	ND	10	ug	0.50
1,3-Dinitrobenzene	ND	10	ug	0.52
4,6-Dinitro-2-methylphenol	ND	50	ug	8.7
2,4-Dinitrophenol	ND	50	ug	22
2,4-Dinitrotoluene	ND	10	ug	0.50
2,6-Dinitrotoluene	ND	10	ug	0.50
Di-n-octyl phthalate	ND	10	ug	0.56
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.50
Fluoranthene	ND	10	ug	0.54
Fluorene	ND	10	ug	0.50
Hexachlorobenzene	ND	10	ug	0.50
Hexachlorobutadiene	ND	10	ug	0.74
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	0.54
Indeno(1,2,3-cd)pyrene	ND	10	ug	0.54
Isophorone	ND	10	ug	0.50
2-Methylnaphthalene	ND	10	ug	0.50
2-Methylphenol	ND	10	ug	3.0
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.0
Naphthalene	ND	10	ug	0.60
2-Nitroaniline	ND	50	ug	0.50
3-Nitroaniline	ND	50	ug	2.0
4-Nitroaniline	ND	50	ug	2.0
Nitrobenzene	ND	10	ug	0.57
2-Nitrophenol	ND	10	ug	0.50
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.50
N-Nitrosodiphenylamine	ND	10	ug	0.87
N-Nitrosodi-n-propylamine	ND	10	ug	0.50
Pentachlorobenzene	ND	10	ug	0.50
Pentachloronitrobenzene	ND	50	ug	0.50
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.50
Phenol	ND	10	ug	0.90
2,2'-oxybis(1-Chloropropane)	ND	10	ug	0.76

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STL Knoxville - ACS

Client Sample ID: G-3019/3020-R2-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-005 **Work Order #...:** H2H3P1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.53
Pyridine	ND	20	ug	0.74
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.50
1,2,4-Trichloro-benzene	ND	10	ug	0.59
2,4,5-Trichloro-phenol	ND	10	ug	1.3
2,4,6-Trichloro-phenol	ND	10	ug	0.75

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	40	(19 - 100)
Phenol-d5	44	(15 - 124)
Nitrobenzene-d5	42	(35 - 122)
2-Fluorobiphenyl	53	(34 - 115)
2,4,6-Tribromophenol	59	(33 - 130)
Terphenyl-d14	77	(28 - 132)
13C6-Naphthalene	56	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3019/3020-R2-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-005 **Work Order #:** H2H3P1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		54 NJ	M	2.1492	ug
Toluene	108-88-3	20 NJ	M	2.2315	ug
Methane, dibromochloro-	124-48-1	8.0 NJ	M	2.4313	ug
Octane, 2-methyl-	3221-61-2	6.1 NJ	M	2.6487	ug
Heptane, 2,5-dimethyl-	2216-30-0	12 NJ	M	2.7074	ug
Unknown		550 NJ	M	2.7721	ug
Benzene, chloro-	108-90-7	82 NJ	M	2.8249	ug
Methane, tribromo-	75-25-2	10 NJ	M	3.1363	ug
Benzoic acid, methyl ester	93-58-3	4.4 NJ	M	4.8814	ug
Benzaldehyde, 3-ethyl-	34246-54-3	5.9 NJ	M	5.5336	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-006 **Work Order #...:** H2H3Q1AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 2.23 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	22	ug	1.7
Acenaphthylene	ND	22	ug	1.4
Acetophenone	ND	22	ug	2.2
Aniline	ND	45	ug	16
Anthracene	ND	22	ug	1.4
Benzaldehyde	ND	22	ug	1.8
Benzidine	ND	220	ug	56
Benzo(a)anthracene	ND	22	ug	1.5
Benzo(b)fluoranthene	ND	22	ug	3.6
Benzo(k)fluoranthene	ND	22	ug	2.5
Benzoic acid	ND	110	ug	8.0
Benzonitrile	ND	22	ug	2.2
Benzo(ghi)perylene	ND	22	ug	1.8
Benzo(a)pyrene	ND	22	ug	1.5
Benzyl alcohol	ND	22	ug	1.7
bis(2-Chloroethoxy) methane	ND	22	ug	1.7
bis(2-Chloroethyl)-ether	ND	22	ug	1.4
bis(2-Ethylhexyl) phthalate	**29**	**22**	**ug**	**1.8**
4-Bromophenyl phenyl ether	ND	22	ug	1.2
Butyl benzyl phthalate	ND	22	ug	1.9
Carbazole	ND	22	ug	1.9
4-Chloroaniline	ND	22	ug	6.8
4-Chloro-3-methylphenol	ND	22	ug	5.6
2-Chloronaphthalene	ND	22	ug	1.2
2-Chlorophenol	ND	22	ug	1.4
4-Chlorophenyl phenyl ether	ND	22	ug	2.7
Chrysene	ND	22	ug	1.1
Dibenz(a,h)anthracene	ND	22	ug	2.4
Dibenzofuran	ND	22	ug	2.5
Di-n-butyl phthalate	ND	22	ug	1.9
1,2-Dichlorobenzene	ND	22	ug	1.5
1,3-Dichlorobenzene	ND	22	ug	1.2
1,4-Dichlorobenzene	ND	22	ug	1.7
3,3'-Dichlorobenzidine	ND	110	ug	6.6

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STL Knoxville - ACS

Client Sample ID: G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-006 **Work Order #...:** H2H3Q1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	22	ug	2.0
Diethyl phthalate	ND	22	ug	1.2
2,4-Dimethylphenol	ND	22	ug	1.3
Dimethyl phthalate	ND	22	ug	1.1
1,3-Dinitrobenzene	ND	22	ug	2.5
4,6-Dinitro-2-methylphenol	ND	110	ug	1.2
2,4-Dinitrophenol	ND	110	ug	3.4
2,4-Dinitrotoluene	ND	22	ug	2.3
2,6-Dinitrotoluene	ND	22	ug	1.8
Di-n-octyl phthalate	ND	22	ug	2.1
Diphenylamine	ND	22	ug	2.5
1,2-Diphenylhydrazine	ND	22	ug	1.2
Fluoranthene	ND	22	ug	1.5
Fluorene	ND	22	ug	2.3
Hexachlorobenzene	ND	22	ug	2.3
Hexachlorobutadiene	ND	22	ug	1.6
Hexachlorocyclopentadiene	ND	110	ug	5.6
Hexachloroethane	ND	22	ug	1.7
Indeno(1,2,3-cd)pyrene	ND	22	ug	1.9
Isophorone	ND	22	ug	1.5
2-Methylnaphthalene	ND	22	ug	1.9
2-Methylphenol	ND	22	ug	1.8
3-Methylphenol & 4-Methylphenol	ND	22	ug	1.9
Naphthalene	ND	22	ug	1.5
2-Nitroaniline	ND	110	ug	2.4
3-Nitroaniline	ND	110	ug	4.0
4-Nitroaniline	ND	110	ug	3.3
Nitrobenzene	ND	22	ug	1.4
2-Nitrophenol	ND	22	ug	2.3
4-Nitrophenol	ND	110	ug	3.3
N-Nitrosodimethylamine	ND	22	ug	1.9
N-Nitrosodiphenylamine	ND	22	ug	1.2
N-Nitrosodi-n-propylamine	ND	22	ug	2.0
Pentachlorobenzene	ND	22	ug	1.9
Pentachloronitrobenzene	ND	22	ug	2.2
Pentachlorophenol	ND	110	ug	2.9
Phenanthrene	ND	22	ug	1.6
Phenol	ND	22	ug	1.8
2,2'-oxybis(1-Chloropropane)	ND	22	ug	1.5

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STL Knoxville - ACS

Client Sample ID: G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-006 **Work Order #...:** H2H3Q1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	22	ug	1.2
Pyridine	ND	45	ug	4.5
1,2,4,5-Tetrachloro-benzene	ND	22	ug	1.8
1,2,4-Trichloro-benzene	ND	22	ug	1.8
2,4,5-Trichloro-phenol	ND	22	ug	1.8
2,4,6-Trichloro-phenol	ND	22	ug	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(19 - 100)
Phenol-d5	53	(15 - 124)
Nitrobenzene-d5	66	(35 - 122)
2-Fluorobiphenyl	82	(34 - 115)
2,4,6-Tribromophenol	103	(33 - 130)
Terphenyl-d14	136 *	(28 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

STL Knoxville - ACS

G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-006 **Work Order #:** H2H3Q1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		21 NJ	M	2.0259	ug
3-Hexen-2-one	763-93-9	620 NJ	M	2.4313	ug
Unknown		38 NJ	M	2.5253	ug
Heptane, 2,5-dimethyl-	2216-30-0	11 NJ	M	2.7015	ug
Unknown		400 NJ	M	2.7486	ug
Unknown		17 NJ	M	2.9542	ug
Unknown		11 NJ	M	3.1657	ug
Unknown		16 NJ	M	4.8579	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3023/3024-R2-MM5 FRONT HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-007 **Work Order #...:** H2H3R1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	0.77
Aniline	ND	20	ug	0.95
Anthracene	ND	10	ug	0.51
Benzaldehyde	ND	10	ug	2.6
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.82
Benzo(b)fluoranthene	ND	10	ug	1.4
Benzo(k)fluoranthene	ND	10	ug	2.1
Benzoic acid	ND	100	ug	42
Benzonitrile	ND	10	ug	2.4
Benzo(ghi)perylene	ND	10	ug	2.8
Benzo(a)pyrene	ND	10	ug	1.0
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.59
bis(2-Chloroethyl)-ether	ND	10	ug	0.76
bis(2-Ethylhexyl) phthalate	ND	10	ug	3.3
4-Bromophenyl phenyl ether	ND	10	ug	0.53
Butyl benzyl phthalate	ND	10	ug	1.1
Carbazole	ND	10	ug	0.76
4-Chloroaniline	ND	10	ug	1.2
4-Chloro-3-methylphenol	ND	10	ug	1.0
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.98
4-Chlorophenyl phenyl ether	ND	10	ug	0.51
Chrysene	ND	10	ug	0.88
Dibenz(a,h)anthracene	ND	10	ug	2.0
Dibenzofuran	ND	10	ug	0.53
Di-n-butyl phthalate	ND	10	ug	0.71
1,2-Dichlorobenzene	ND	10	ug	0.84
1,3-Dichlorobenzene	ND	10	ug	1.2
1,4-Dichlorobenzene	ND	10	ug	1.1
3,3'-Dichlorobenzidine	ND	50	ug	2.7

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STL Knoxville - ACS

Client Sample ID: G-3023/3024-R2-MM5 FRONT HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-007 **Work Order #...:** H2H3R1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	1.5
Diethyl phthalate	ND	10	ug	1.5
2,4-Dimethylphenol	ND	10	ug	2.9
Dimethyl phthalate	ND	10	ug	0.63
1,3-Dinitrobenzene	ND	10	ug	0.59
4,6-Dinitro-2-methylphenol	ND	50	ug	5.0
2,4-Dinitrophenol	ND	50	ug	5.9
2,4-Dinitrotoluene	ND	10	ug	1.6
2,6-Dinitrotoluene	ND	10	ug	1.3
Di-n-octyl phthalate	ND	10	ug	2.1
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.63
Fluoranthene	ND	10	ug	0.50
Fluorene	ND	10	ug	0.51
Hexachlorobenzene	ND	10	ug	0.56
Hexachlorobutadiene	ND	10	ug	1.4
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	2.5
Indeno(1,2,3-cd)pyrene	ND	10	ug	2.1
Isophorone	ND	10	ug	0.66
2-Methylnaphthalene	ND	10	ug	0.56
2-Methylphenol	ND	10	ug	2.3
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.3
Naphthalene	ND	10	ug	0.50
2-Nitroaniline	ND	50	ug	0.56
3-Nitroaniline	ND	50	ug	3.8
4-Nitroaniline	ND	50	ug	2.3
Nitrobenzene	ND	10	ug	0.73
2-Nitrophenol	ND	10	ug	3.2
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.72
N-Nitrosodiphenylamine	ND	10	ug	0.60
N-Nitrosodi-n-propylamine	ND	10	ug	0.73
Pentachlorobenzene	ND	10	ug	0.52
Pentachloronitrobenzene	ND	10	ug	0.76
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.51
Phenol	ND	10	ug	1.1
2,2'-oxybis(1-Chloropropane)	ND	10	ug	1.0

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STL Knoxville - ACS

Client Sample ID: G-3023/3024-R2-MM5 FRONT HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-007 **Work Order #...:** H2H3R1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.74
Pyridine	ND	20	ug	0.89
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.87
1,2,4-Trichloro-benzene	ND	10	ug	0.73
2,4,5-Trichloro-phenol	ND	10	ug	2.3
2,4,6-Trichloro-phenol	ND	10	ug	1.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	51	(19 - 100)
Phenol-d5	56	(15 - 124)
Nitrobenzene-d5	56	(35 - 122)
2-Fluorobiphenyl	65	(34 - 115)
2,4,6-Tribromophenol	48	(33 - 130)
Terphenyl-d14	83	(28 - 132)

STL Knoxville - ACS

G-3023/3024-R2-MM5 FRONT HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-007 **Work Order #:** H2H3R1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		7.7 NJ	M	2.6546	ug
Heptane, 2,5-dimethyl-	2216-30-0	15 NJ	M	2.7075	ug
Unknown		10 NJ	M	2.7486	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3025/3026-R2-MM5 BACK HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-008 **Work Order #...:** H2H3T1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	2.4
Aniline	ND	20	ug	7.3
Anthracene	ND	10	ug	0.50
Benzaldehyde	ND	10	ug	2.0
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.58
Benzo(b)fluoranthene	ND	10	ug	1.1
Benzo(k)fluoranthene	ND	10	ug	1.6
Benzoic acid	ND	100	ug	46
Benzonitrile	ND	10	ug	1.7
Benzo(ghi)perylene	ND	10	ug	0.62
Benzo(a)pyrene	ND	10	ug	0.50
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.50
bis(2-Chloroethyl)-ether	ND	10	ug	0.56
bis(2-Ethylhexyl) phthalate	ND	20	ug	10
4-Bromophenyl phenyl ether	ND	10	ug	0.50
Butyl benzyl phthalate	ND	10	ug	0.61
Carbazole	ND	10	ug	0.64
4-Chloroaniline	ND	20	ug	6.0
4-Chloro-3-methylphenol	ND	10	ug	0.62
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.50
4-Chlorophenyl phenyl ether	ND	10	ug	0.50
Chrysene	ND	10	ug	0.64
Dibenz(a,h)anthracene	ND	10	ug	0.60
Dibenzofuran	ND	10	ug	0.50
Di-n-butyl phthalate	ND	20	ug	10
1,2-Dichlorobenzene	ND	10	ug	0.51
1,3-Dichlorobenzene	ND	10	ug	0.57
1,4-Dichlorobenzene	ND	10	ug	0.53
3,3'-Dichlorobenzidine	ND	50	ug	7.4

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STL Knoxville - ACS

Client Sample ID: G-3025/3026-R2-MM5 BACK HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-008 **Work Order #...:** H2H3T1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	0.50
Diethyl phthalate	ND	10	ug	0.73
2,4-Dimethylphenol	ND	10	ug	6.3
Dimethyl phthalate	ND	10	ug	0.50
1,3-Dinitrobenzene	ND	10	ug	0.52
4,6-Dinitro-2-methylphenol	ND	50	ug	8.7
2,4-Dinitrophenol	ND	50	ug	22
2,4-Dinitrotoluene	ND	10	ug	0.50
2,6-Dinitrotoluene	ND	10	ug	0.50
Di-n-octyl phthalate	ND	10	ug	0.56
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.50
Fluoranthene	ND	10	ug	0.54
Fluorene	ND	10	ug	0.50
Hexachlorobenzene	ND	10	ug	0.50
Hexachlorobutadiene	ND	10	ug	0.74
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	0.54
Indeno(1,2,3-cd)pyrene	ND	10	ug	0.54
Isophorone	ND	10	ug	0.50
2-Methylnaphthalene	ND	10	ug	0.50
2-Methylphenol	ND	10	ug	3.0
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.0
Naphthalene	ND	10	ug	0.60
2-Nitroaniline	ND	50	ug	0.50
3-Nitroaniline	ND	50	ug	2.0
4-Nitroaniline	ND	50	ug	2.0
Nitrobenzene	ND	10	ug	0.57
2-Nitrophenol	ND	10	ug	0.50
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.50
N-Nitrosodiphenylamine	ND	10	ug	0.87
N-Nitrosodi-n-propylamine	ND	10	ug	0.50
Pentachlorobenzene	ND	10	ug	0.50
Pentachloronitrobenzene	ND	50	ug	0.50
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.50
Phenol	ND	10	ug	0.90
2,2'-oxybis(1-Chloropropane)	ND	10	ug	0.76

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STL Knoxville - ACS

Client Sample ID: G-3025/3026-R2-MM5 BACK HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-008 **Work Order #...:** H2H3T1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.53
Pyridine	ND	20	ug	0.74
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.50
1,2,4-Trichloro-benzene	ND	10	ug	0.59
2,4,5-Trichloro-phenol	ND	10	ug	1.3
2,4,6-Trichloro-phenol	ND	10	ug	0.75

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(19 - 100)
Phenol-d5	59	(15 - 124)
Nitrobenzene-d5	51	(35 - 122)
2-Fluorobiphenyl	70	(34 - 115)
2,4,6-Tribromophenol	58	(33 - 130)
Terphenyl-d14	85	(28 - 132)
13C6-Naphthalene	70	(50 - 150)

STL Knoxville - ACS

G-3025/3026-R2-MM5 BACK HALF COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-008 **Work Order #:** H2H3T1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Toluene	108-88-3	20 NJ	M	2.2317	ug
Unknown		6.2 NJ	M	2.6489	ug
Heptane, 2,5-dimethyl-	2216-30-0	11 NJ	M	2.7076	ug
Unknown		650 NJ	M	2.7782	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3027/3028-R2-MM5 IMPINGER COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-009 **Work Order #...:** H2H3V1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 2 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	20	ug	1.5
Acenaphthylene	ND	20	ug	1.2
Acetophenone	ND	20	ug	2.0
Aniline	ND	40	ug	14
Anthracene	ND	20	ug	1.2
Benzaldehyde	ND	20	ug	1.6
Benzidine	ND	200	ug	50
Benzo(a)anthracene	ND	20	ug	1.3
Benzo(b)fluoranthene	ND	20	ug	3.2
Benzo(k)fluoranthene	ND	20	ug	2.2
Benzoic acid	ND	100	ug	7.2
Benzonitrile	ND	20	ug	2.0
Benzo(ghi)perylene	ND	20	ug	1.6
Benzo(a)pyrene	ND	20	ug	1.3
Benzyl alcohol	ND	20	ug	1.5
bis(2-Chloroethoxy) methane	ND	20	ug	1.5
bis(2-Chloroethyl)-ether	ND	20	ug	1.3
bis(2-Ethylhexyl) phthalate	**2.2 J**	**20**	**ug**	**1.6**
4-Bromophenyl phenyl ether	ND	20	ug	1.1
Butyl benzyl phthalate	ND	20	ug	1.7
Carbazole	ND	20	ug	1.7
4-Chloroaniline	ND	20	ug	6.1
4-Chloro-3-methylphenol	ND	20	ug	5.0
2-Chloronaphthalene	ND	20	ug	1.1
2-Chlorophenol	ND	20	ug	1.3
4-Chlorophenyl phenyl ether	ND	20	ug	2.4
Chrysene	ND	20	ug	1.0
Dibenz(a,h)anthracene	ND	20	ug	2.2
Dibenzofuran	ND	20	ug	2.2
Di-n-butyl phthalate	ND	20	ug	1.7
1,2-Dichlorobenzene	ND	20	ug	1.3
1,3-Dichlorobenzene	ND	20	ug	1.1
1,4-Dichlorobenzene	ND	20	ug	1.5
3,3'-Dichlorobenzidine	ND	100	ug	5.9

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STL Knoxville - ACS

Client Sample ID: G-3027/3028-R2-MM5 IMPINGER COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-009 Work Order #...: H2H3V1AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	20	ug	1.8
Diethyl phthalate	ND	20	ug	1.1
2,4-Dimethylphenol	ND	20	ug	1.2
Dimethyl phthalate	ND	20	ug	1.0
1,3-Dinitrobenzene	ND	20	ug	2.2
4,6-Dinitro-2-methylphenol	ND	100	ug	1.1
2,4-Dinitrophenol	ND	100	ug	3.0
2,4-Dinitrotoluene	ND	20	ug	2.1
2,6-Dinitrotoluene	ND	20	ug	1.6
Di-n-octyl phthalate	ND	20	ug	1.9
Diphenylamine	ND	20	ug	2.2
1,2-Diphenylhydrazine	ND	20	ug	1.1
Fluoranthene	ND	20	ug	1.3
Fluorene	ND	20	ug	2.1
Hexachlorobenzene	ND	20	ug	2.0
Hexachlorobutadiene	ND	20	ug	1.5
Hexachlorocyclopentadiene	ND	100	ug	5.0
Hexachloroethane	ND	20	ug	1.5
Indeno(1,2,3-cd)pyrene	ND	20	ug	1.7
Isophorone	ND	20	ug	1.4
2-Methylnaphthalene	ND	20	ug	1.7
2-Methylphenol	ND	20	ug	1.6
3-Methylphenol & 4-Methylphenol	ND	20	ug	1.7
Naphthalene	ND	20	ug	1.3
2-Nitroaniline	ND	100	ug	2.1
3-Nitroaniline	ND	100	ug	3.6
4-Nitroaniline	ND	100	ug	2.9
Nitrobenzene	ND	20	ug	1.3
2-Nitrophenol	ND	20	ug	2.0
4-Nitrophenol	ND	100	ug	2.9
N-Nitrosodimethylamine	ND	20	ug	1.7
N-Nitrosodiphenylamine	ND	20	ug	1.0
N-Nitrosodi-n-propylamine	ND	20	ug	1.8
Pentachlorobenzene	ND	20	ug	1.7
Pentachloronitrobenzene	ND	20	ug	2.0
Pentachlorophenol	ND	100	ug	2.6
Phenanthrene	ND	20	ug	1.4
Phenol	ND	20	ug	1.6
2,2'-oxybis(1-Chloropropane)	ND	20	ug	1.3

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STL Knoxville - ACS

Client Sample ID: G-3027/3028-R2-MM5 IMPINGER COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-009 **Work Order #...:** H2H3V1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	20	ug	1.1
Pyridine	ND	40	ug	4.0
1,2,4,5-Tetrachloro-benzene	ND	20	ug	1.6
1,2,4-Trichloro-benzene	ND	20	ug	1.6
2,4,5-Trichloro-phenol	ND	20	ug	1.6
2,4,6-Trichloro-phenol	ND	20	ug	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(19 - 100)
Phenol-d5	75	(15 - 124)
Nitrobenzene-d5	93	(35 - 122)
2-Fluorobiphenyl	110	(34 - 115)
2,4,6-Tribromophenol	103	(33 - 130)
Terphenyl-d14	136 *	(28 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3027/3028-R2-MM5 IMPINGER COMPOSITE BT A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-009 **Work Order #:** H2H3V1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
3-Penten-2-one, (E)-	3102-33-8	14 NJ	M	2.0258	ug
3-Penten-2-one, 4-methyl-	141-79-7	110 NJ	M	2.4254	ug
Unknown		50 NJ	M	2.5253	ug
Heptane, 2,5-dimethyl-	2216-30-0	14 NJ	M	2.7015	ug
Unknown		360 NJ	M	2.7485	ug
1-Propene, 1,2,3-trichloro-, (	13116-57-9	8.7 NJ	M	3.624	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3029-R2-MM5 TRAIN A XAD-2 TRIP/RB

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-010 **Work Order #...:** H2H3W1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	2.4
Aniline	ND	20	ug	7.3
Anthracene	ND	10	ug	0.50
Benzaldehyde	ND	10	ug	2.0
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.58
Benzo(b)fluoranthene	ND	10	ug	1.1
Benzo(k)fluoranthene	ND	10	ug	1.6
Benzoic acid	ND	100	ug	46
Benzonitrile	ND	10	ug	1.7
Benzo(ghi)perylene	ND	10	ug	0.62
Benzo(a)pyrene	ND	10	ug	0.50
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.50
bis(2-Chloroethyl)-ether	ND	10	ug	0.56
bis(2-Ethylhexyl) phthalate	ND	20	ug	10
4-Bromophenyl phenyl ether	ND	10	ug	0.50
Butyl benzyl phthalate	ND	10	ug	0.61
Carbazole	ND	10	ug	0.64
4-Chloroaniline	ND	20	ug	6.0
4-Chloro-3-methylphenol	ND	10	ug	0.62
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.50
4-Chlorophenyl phenyl ether	ND	10	ug	0.50
Chrysene	ND	10	ug	0.64
Dibenz(a,h)anthracene	ND	10	ug	0.60
Dibenzofuran	ND	10	ug	0.50
Di-n-butyl phthalate	ND	20	ug	10
1,2-Dichlorobenzene	ND	10	ug	0.51
1,3-Dichlorobenzene	ND	10	ug	0.57
1,4-Dichlorobenzene	ND	10	ug	0.53
3,3'-Dichlorobenzidine	ND	50	ug	7.4

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STL Knoxville - ACS

Client Sample ID: G-3029-R2-MM5 TRAIN A XAD-2 TRIP/RB

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-010 **Work Order #...:** H2H3W1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	0.50
Diethyl phthalate	ND	10	ug	0.73
2,4-Dimethylphenol	ND	10	ug	6.3
Dimethyl phthalate	ND	10	ug	0.50
1,3-Dinitrobenzene	ND	10	ug	0.52
4,6-Dinitro-2-methylphenol	ND	50	ug	8.7
2,4-Dinitrophenol	ND	50	ug	22
2,4-Dinitrotoluene	ND	10	ug	0.50
2,6-Dinitrotoluene	ND	10	ug	0.50
Di-n-octyl phthalate	ND	10	ug	0.56
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.50
Fluoranthene	ND	10	ug	0.54
Fluorene	ND	10	ug	0.50
Hexachlorobenzene	ND	10	ug	0.50
Hexachlorobutadiene	ND	10	ug	0.74
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	0.54
Indeno(1,2,3-cd)pyrene	ND	10	ug	0.54
Isophorone	ND	10	ug	0.50
2-Methylnaphthalene	ND	10	ug	0.50
2-Methylphenol	ND	10	ug	3.0
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.0
Naphthalene	ND	10	ug	0.60
2-Nitroaniline	ND	50	ug	0.50
3-Nitroaniline	ND	50	ug	2.0
4-Nitroaniline	ND	50	ug	2.0
Nitrobenzene	ND	10	ug	0.57
2-Nitrophenol	ND	10	ug	0.50
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.50
N-Nitrosodiphenylamine	ND	10	ug	0.87
N-Nitrosodi-n-propylamine	ND	10	ug	0.50
Pentachlorobenzene	ND	10	ug	0.50
Pentachloronitrobenzene	ND	50	ug	0.50
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.50
Phenol	ND	10	ug	0.90
2,2'-oxybis(1-Chloropropane)	ND	10	ug	0.76

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STL Knoxville - ACS

Client Sample ID: G-3029-R2-MM5 TRAIN A XAD-2 TRIP/RB

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-010 **Work Order #...:** H2H3W1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.53
Pyridine	ND	20	ug	0.74
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.50
1,2,4-Trichloro-benzene	ND	10	ug	0.59
2,4,5-Trichloro-phenol	ND	10	ug	1.3
2,4,6-Trichloro-phenol	ND	10	ug	0.75

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	49	(19 - 100)
Phenol-d5	55	(15 - 124)
Nitrobenzene-d5	51	(35 - 122)
2-Fluorobiphenyl	66	(34 - 115)
2,4,6-Tribromophenol	59	(33 - 130)
Terphenyl-d14	75	(28 - 132)
13C6-Naphthalene	70	(50 - 150)

STL Knoxville - ACS

G-3029-R2-MM5 TRAIN A XAD-2 TRIP/RB

GC/MS Semivolatiles

Lot-Sample #: H6D030245-010 **Work Order #:** H2H3W1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Toluene	108-88-3	16 NJ	M	2.2258	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3103/3104-R3-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-011 **Work Order #...:** H2H3X1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	0.77
Aniline	ND	20	ug	0.95
Anthracene	ND	10	ug	0.51
Benzaldehyde	ND	10	ug	2.6
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.82
Benzo(b)fluoranthene	ND	10	ug	1.4
Benzo(k)fluoranthene	ND	10	ug	2.1
Benzoic acid	ND	100	ug	42
Benzonitrile	ND	10	ug	2.4
Benzo(ghi)perylene	ND	10	ug	2.8
Benzo(a)pyrene	ND	10	ug	1.0
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.59
bis(2-Chloroethyl)-ether	ND	10	ug	0.76
bis(2-Ethylhexyl) phthalate	ND	10	ug	3.3
4-Bromophenyl phenyl ether	ND	10	ug	0.53
Butyl benzyl phthalate	ND	10	ug	1.1
Carbazole	ND	10	ug	0.76
4-Chloroaniline	ND	10	ug	1.2
4-Chloro-3-methylphenol	ND	10	ug	1.0
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.98
4-Chlorophenyl phenyl ether	ND	10	ug	0.51
Chrysene	ND	10	ug	0.88
Dibenz(a,h)anthracene	ND	10	ug	2.0
Dibenzofuran	ND	10	ug	0.53
Di-n-butyl phthalate	ND	10	ug	0.71
1,2-Dichlorobenzene	ND	10	ug	0.84
1,3-Dichlorobenzene	ND	10	ug	1.2
1,4-Dichlorobenzene	ND	10	ug	1.1
3,3'-Dichlorobenzidine	ND	50	ug	2.7

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STL Knoxville - ACS

Client Sample ID: G-3103/3104-R3-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-011 **Work Order #...:** H2H3X1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	1.5
Diethyl phthalate	ND	10	ug	1.5
2,4-Dimethylphenol	ND	10	ug	2.9
Dimethyl phthalate	ND	10	ug	0.63
1,3-Dinitrobenzene	ND	10	ug	0.59
4,6-Dinitro-2-methylphenol	ND	50	ug	5.0
2,4-Dinitrophenol	ND	50	ug	5.9
2,4-Dinitrotoluene	ND	10	ug	1.6
2,6-Dinitrotoluene	ND	10	ug	1.3
Di-n-octyl phthalate	ND	10	ug	2.1
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.63
Fluoranthene	ND	10	ug	0.50
Fluorene	ND	10	ug	0.51
Hexachlorobenzene	ND	10	ug	0.56
Hexachlorobutadiene	ND	10	ug	1.4
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	2.5
Indeno(1,2,3-cd)pyrene	ND	10	ug	2.1
Isophorone	ND	10	ug	0.66
2-Methylnaphthalene	ND	10	ug	0.56
2-Methylphenol	ND	10	ug	2.3
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.3
Naphthalene	ND	10	ug	0.50
2-Nitroaniline	ND	50	ug	0.56
3-Nitroaniline	ND	50	ug	3.8
4-Nitroaniline	ND	50	ug	2.3
Nitrobenzene	ND	10	ug	0.73
2-Nitrophenol	ND	10	ug	3.2
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.72
N-Nitrosodiphenylamine	ND	10	ug	0.60
N-Nitrosodi-n-propylamine	ND	10	ug	0.73
Pentachlorobenzene	ND	10	ug	0.52
Pentachloronitrobenzene	ND	10	ug	0.76
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.51
Phenol	ND	10	ug	1.1
2,2'-oxybis(1-Chloropropane)	ND	10	ug	1.0

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STL Knoxville - ACS

Client Sample ID: G-3103/3104-R3-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-011 **Work Order #...:** H2H3X1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.74
Pyridine	ND	20	ug	0.89
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.87
1,2,4-Trichloro-benzene	ND	10	ug	0.73
2,4,5-Trichloro-phenol	ND	10	ug	2.3
2,4,6-Trichloro-phenol	ND	10	ug	1.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(19 - 100)
Phenol-d5	47	(15 - 124)
Nitrobenzene-d5	44	(35 - 122)
2-Fluorobiphenyl	56	(34 - 115)
2,4,6-Tribromophenol	53	(33 - 130)
Terphenyl-d14	68	(28 - 132)

STL Knoxville - ACS

G-3103/3104-R3-MM5 FRONT HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-011 **Work Order #:** H2H3X1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		23 NJ	M	2.7427	ug
9-Octadecenamide, (Z)-	301-02-0	14 NJ	M	11.562	ug
Unknown		5.7 NJ	M	12.701	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3105/3106-R3-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-012 **Work Order #...:** H2H301AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	**5.1 J**	**10**	**ug**	**2.4**
Aniline	ND	20	ug	7.3
Anthracene	ND	10	ug	0.50
Benzaldehyde	**6.9 J**	**10**	**ug**	**2.0**
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.58
Benzo(b)fluoranthene	ND	10	ug	1.1
Benzo(k)fluoranthene	ND	10	ug	1.6
Benzoic acid	ND	100	ug	46
Benzonitrile	ND	10	ug	1.7
Benzo(ghi)perylene	ND	10	ug	0.62
Benzo(a)pyrene	ND	10	ug	0.50
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.50
bis(2-Chloroethyl)-ether	ND	10	ug	0.56
bis(2-Ethylhexyl) phthalate	ND	20	ug	10
4-Bromophenyl phenyl ether	ND	10	ug	0.50
Butyl benzyl phthalate	ND	10	ug	0.61
Carbazole	ND	10	ug	0.64
4-Chloroaniline	ND	20	ug	6.0
4-Chloro-3-methylphenol	ND	10	ug	0.62
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.50
4-Chlorophenyl phenyl ether	ND	10	ug	0.50
Chrysene	ND	10	ug	0.64
Dibenz(a,h)anthracene	ND	10	ug	0.60
Dibenzofuran	ND	10	ug	0.50
Di-n-butyl phthalate	ND	20	ug	10
1,2-Dichlorobenzene	ND	10	ug	0.51
1,3-Dichlorobenzene	ND	10	ug	0.57
1,4-Dichlorobenzene	ND	10	ug	0.53
3,3'-Dichlorobenzidine	ND	50	ug	7.4

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STL Knoxville - ACS

Client Sample ID: G-3105/3106-R3-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-012 Work Order #...: H2H301AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	0.50
Diethyl phthalate	ND	10	ug	0.73
2,4-Dimethylphenol	ND	10	ug	6.3
Dimethyl phthalate	ND	10	ug	0.50
1,3-Dinitrobenzene	ND	10	ug	0.52
4,6-Dinitro-2-methylphenol	ND	50	ug	8.7
2,4-Dinitrophenol	ND	50	ug	22
2,4-Dinitrotoluene	ND	10	ug	0.50
2,6-Dinitrotoluene	ND	10	ug	0.50
Di-n-octyl phthalate	ND	10	ug	0.56
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.50
Fluoranthene	ND	10	ug	0.54
Fluorene	ND	10	ug	0.50
Hexachlorobenzene	ND	10	ug	0.50
Hexachlorobutadiene	ND	10	ug	0.74
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	0.54
Indeno(1,2,3-cd)pyrene	ND	10	ug	0.54
Isophorone	ND	10	ug	0.50
2-Methylnaphthalene	ND	10	ug	0.50
2-Methylphenol	ND	10	ug	3.0
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.0
Naphthalene	**9.9 J**	**10**	**ug**	**0.60**
2-Nitroaniline	ND	50	ug	0.50
3-Nitroaniline	ND	50	ug	2.0
4-Nitroaniline	ND	50	ug	2.0
Nitrobenzene	ND	10	ug	0.57
2-Nitrophenol	ND	10	ug	0.50
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.50
N-Nitrosodiphenylamine	ND	10	ug	0.87
N-Nitrosodi-n-propylamine	ND	10	ug	0.50
Pentachlorobenzene	ND	10	ug	0.50
Pentachloronitrobenzene	ND	50	ug	0.50
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.50
Phenol	ND	10	ug	0.90
2,2'-oxybis(1-Chloropropane)	ND	10	ug	0.76

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STL Knoxville - ACS

Client Sample ID: G-3105/3106-R3-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-012 **Work Order #...:** H2H301AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.53
Pyridine	ND	20	ug	0.74
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.50
1,2,4-Trichloro-benzene	ND	10	ug	0.59
2,4,5-Trichloro-phenol	ND	10	ug	1.3
2,4,6-Trichloro-phenol	ND	10	ug	0.75

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(19 - 100)
Phenol-d5	54	(15 - 124)
Nitrobenzene-d5	45	(35 - 122)
2-Fluorobiphenyl	58	(34 - 115)
2,4,6-Tribromophenol	57	(33 - 130)
Terphenyl-d14	72	(28 - 132)
13C6-Naphthalene	60	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3105/3106-R3-MM5 BACK HALF COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-012 **Work Order #:** H2H301AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		70 NJ	M	2.1492	ug
Toluene	108-88-3	55 NJ	M	2.2315	ug
Methane, dibromochloro-	124-48-1	9.9 NJ	M	2.4312	ug
Tetrachloroethylene	127-18-4	21 NJ	M	2.5429	ug
Unknown		630 NJ	M	2.7779	ug
Benzene, chloro-	108-90-7	260 NJ	M	2.8249	ug
Methane, tribromo-	75-25-2	14 NJ	M	3.1363	ug
Benzaldehyde, 3-ethyl-	34246-54-3	7.2 NJ	M	5.5336	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: G-3107/3108-R3-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-013 **Work Order #...:** H2H311AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 2.34 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	23	ug	1.7
Acenaphthylene	ND	23	ug	1.5
Acetophenone	ND	23	ug	2.3
Aniline	ND	47	ug	16
Anthracene	ND	23	ug	1.5
Benzaldehyde	ND	23	ug	1.9
Benzidine	ND	230	ug	58
Benzo(a)anthracene	ND	23	ug	1.5
Benzo(b)fluoranthene	ND	23	ug	3.8
Benzo(k)fluoranthene	ND	23	ug	2.6
Benzoic acid	ND	120	ug	8.4
Benzonitrile	ND	23	ug	2.3
Benzo(ghi)perylene	ND	23	ug	1.9
Benzo(a)pyrene	ND	23	ug	1.6
Benzyl alcohol	ND	23	ug	1.8
bis(2-Chloroethoxy) methane	ND	23	ug	1.8
bis(2-Chloroethyl)-ether	ND	23	ug	1.5
bis(2-Ethylhexyl) phthalate	**16 J**	**23**	**ug**	**1.9**
4-Bromophenyl phenyl ether	ND	23	ug	1.3
Butyl benzyl phthalate	ND	23	ug	2.0
Carbazole	ND	23	ug	2.0
4-Chloroaniline	ND	23	ug	7.1
4-Chloro-3-methylphenol	ND	23	ug	5.8
2-Chloronaphthalene	ND	23	ug	1.2
2-Chlorophenol	ND	23	ug	1.5
4-Chlorophenyl phenyl ether	ND	23	ug	2.8
Chrysene	ND	23	ug	1.2
Dibenz(a,h)anthracene	ND	23	ug	2.5
Dibenzofuran	ND	23	ug	2.6
Di-n-butyl phthalate	ND	23	ug	2.0
1,2-Dichlorobenzene	ND	23	ug	1.5
1,3-Dichlorobenzene	ND	23	ug	1.3
1,4-Dichlorobenzene	ND	23	ug	1.8
3,3'-Dichlorobenzidine	ND	120	ug	6.9

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STL Knoxville - ACS

Client Sample ID: G-3107/3108-R3-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-013 Work Order #...: H2H311AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	23	ug	2.1
Diethyl phthalate	ND	23	ug	1.2
2,4-Dimethylphenol	ND	23	ug	1.4
Dimethyl phthalate	ND	23	ug	1.2
1,3-Dinitrobenzene	ND	23	ug	2.6
4,6-Dinitro-2-methylphenol	ND	120	ug	1.3
2,4-Dinitrophenol	ND	120	ug	3.6
2,4-Dinitrotoluene	ND	23	ug	2.4
2,6-Dinitrotoluene	ND	23	ug	1.8
Di-n-octyl phthalate	ND	23	ug	2.2
Diphenylamine	ND	23	ug	2.6
1,2-Diphenylhydrazine	ND	23	ug	1.3
Fluoranthene	ND	23	ug	1.6
Fluorene	ND	23	ug	2.5
Hexachlorobenzene	ND	23	ug	2.4
Hexachlorobutadiene	ND	23	ug	1.7
Hexachlorocyclopentadiene	ND	120	ug	5.8
Hexachloroethane	ND	23	ug	1.7
Indeno(1,2,3-cd)pyrene	ND	23	ug	2.0
Isophorone	ND	23	ug	1.6
2-Methylnaphthalene	ND	23	ug	2.0
2-Methylphenol	ND	23	ug	1.9
3-Methylphenol & 4-Methylphenol	ND	23	ug	2.0
Naphthalene	ND	23	ug	1.6
2-Nitroaniline	ND	120	ug	2.5
3-Nitroaniline	ND	120	ug	4.2
4-Nitroaniline	ND	120	ug	3.4
Nitrobenzene	ND	23	ug	1.5
2-Nitrophenol	ND	23	ug	2.4
4-Nitrophenol	ND	120	ug	3.4
N-Nitrosodimethylamine	ND	23	ug	1.9
N-Nitrosodiphenylamine	ND	23	ug	1.2
N-Nitrosodi-n-propylamine	ND	23	ug	2.1
Pentachlorobenzene	ND	23	ug	2.0
Pentachloronitrobenzene	ND	23	ug	2.3
Pentachlorophenol	ND	120	ug	3.1
Phenanthrene	ND	23	ug	1.7
Phenol	ND	23	ug	1.9
2,2'-oxybis(1-Chloropropane)	ND	23	ug	1.6

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STL Knoxville - ACS

Client Sample ID: G-3107/3108-R3-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-013 Work Order #...: H2H311AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	23	ug	1.3
Pyridine	ND	47	ug	4.7
1,2,4,5-Tetrachloro-benzene	ND	23	ug	1.9
1,2,4-Trichloro-benzene	ND	23	ug	1.9
2,4,5-Trichloro-phenol	ND	23	ug	1.9
2,4,6-Trichloro-phenol	ND	23	ug	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	91	(19 - 100)
Phenol-d5	88	(15 - 124)
Nitrobenzene-d5	108	(35 - 122)
2-Fluorobiphenyl	130 *	(34 - 115)
2,4,6-Tribromophenol	117	(33 - 130)
Terphenyl-d14	146 *	(28 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3107/3108-R3-MM5 IMPINGER COMPOSITE TRAIN A

GC/MS Semivolatiles

Lot-Sample #: H6D030245-013 **Work Order #:** H2H311AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
3-Penten-2-one, 4-methyl-	141-79-7	120 NJ	M	2.4255	ug
Unknown		37 NJ	M	2.5254	ug
Unknown		34 NJ	M	2.7428	ug

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-014 **Work Order #...:** H2H321AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	2.4
Aniline	ND	20	ug	7.3
Anthracene	ND	10	ug	0.50
Benzaldehyde	ND	10	ug	2.0
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.58
Benzo(b)fluoranthene	ND	10	ug	1.1
Benzo(k)fluoranthene	ND	10	ug	1.6
Benzoic acid	ND	100	ug	46
Benzonitrile	ND	10	ug	1.7
Benzo(ghi)perylene	ND	10	ug	0.62
Benzo(a)pyrene	ND	10	ug	0.50
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.50
bis(2-Chloroethyl)-ether	ND	10	ug	0.56
bis(2-Ethylhexyl) phthalate	ND	20	ug	10
4-Bromophenyl phenyl ether	ND	10	ug	0.50
Butyl benzyl phthalate	ND	10	ug	0.61
Carbazole	ND	10	ug	0.64
4-Chloroaniline	ND	20	ug	6.0
4-Chloro-3-methylphenol	ND	10	ug	0.62
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.50
4-Chlorophenyl phenyl ether	ND	10	ug	0.50
Chrysene	ND	10	ug	0.64
Dibenz(a,h)anthracene	ND	10	ug	0.60
Dibenzofuran	ND	10	ug	0.50
Di-n-butyl phthalate	ND	20	ug	10
1,2-Dichlorobenzene	ND	10	ug	0.51
1,3-Dichlorobenzene	ND	10	ug	0.57
1,4-Dichlorobenzene	ND	10	ug	0.53
3,3'-Dichlorobenzidine	ND	50	ug	7.4

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-014 **Work Order #...:** H2H321AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	0.50
Diethyl phthalate	ND	10	ug	0.73
2,4-Dimethylphenol	ND	10	ug	6.3
Dimethyl phthalate	ND	10	ug	0.50
1,3-Dinitrobenzene	ND	10	ug	0.52
4,6-Dinitro-2-methylphenol	ND	50	ug	8.7
2,4-Dinitrophenol	ND	50	ug	22
2,4-Dinitrotoluene	ND	10	ug	0.50
2,6-Dinitrotoluene	ND	10	ug	0.50
Di-n-octyl phthalate	ND	10	ug	0.56
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.50
Fluoranthene	ND	10	ug	0.54
Fluorene	ND	10	ug	0.50
Hexachlorobenzene	ND	10	ug	0.50
Hexachlorobutadiene	ND	10	ug	0.74
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	0.54
Indeno(1,2,3-cd)pyrene	ND	10	ug	0.54
Isophorone	ND	10	ug	0.50
2-Methylnaphthalene	ND	10	ug	0.50
2-Methylphenol	ND	10	ug	3.0
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.0
Naphthalene	ND	10	ug	0.60
2-Nitroaniline	ND	50	ug	0.50
3-Nitroaniline	ND	50	ug	2.0
4-Nitroaniline	ND	50	ug	2.0
Nitrobenzene	ND	10	ug	0.57
2-Nitrophenol	ND	10	ug	0.50
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.50
N-Nitrosodiphenylamine	ND	10	ug	0.87
N-Nitrosodi-n-propylamine	ND	10	ug	0.50
Pentachlorobenzene	ND	10	ug	0.50
Pentachloronitrobenzene	ND	50	ug	0.50
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.50
Phenol	ND	10	ug	0.90
2,2'-oxybis(1-Chloropropane)	ND	10	ug	0.76

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STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-014 **Work Order #...:** H2H321AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.53
Pyridine	ND	20	ug	0.74
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.50
1,2,4-Trichloro-benzene	ND	10	ug	0.59
2,4,5-Trichloro-phenol	ND	10	ug	1.3
2,4,6-Trichloro-phenol	ND	10	ug	0.75

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(19 - 100)
Phenol-d5	69	(15 - 124)
Nitrobenzene-d5	67	(35 - 122)
2-Fluorobiphenyl	83	(34 - 115)
2,4,6-Tribromophenol	77	(33 - 130)
Terphenyl-d14	94	(28 - 132)

STL Knoxville - ACS

A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

Lot-Sample #: H6D030245-014 **Work Order #:** H2H321AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-015 **Work Order #...:** H2H331AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug	0.50
Acenaphthylene	ND	10	ug	0.50
Acetophenone	ND	10	ug	0.77
Aniline	ND	20	ug	0.95
Anthracene	ND	10	ug	0.51
Benzaldehyde	ND	10	ug	2.6
Benzidine	ND	100	ug	51
Benzo(a)anthracene	ND	10	ug	0.82
Benzo(b)fluoranthene	ND	10	ug	1.4
Benzo(k)fluoranthene	ND	10	ug	2.1
Benzoic acid	ND	100	ug	42
Benzonitrile	ND	10	ug	2.4
Benzo(ghi)perylene	ND	10	ug	2.8
Benzo(a)pyrene	ND	10	ug	1.0
Benzyl alcohol	ND	100	ug	35
bis(2-Chloroethoxy) methane	ND	10	ug	0.59
bis(2-Chloroethyl)-ether	ND	10	ug	0.76
bis(2-Ethylhexyl) phthalate	ND	10	ug	3.3
4-Bromophenyl phenyl ether	ND	10	ug	0.53
Butyl benzyl phthalate	ND	10	ug	1.1
Carbazole	ND	10	ug	0.76
4-Chloroaniline	ND	10	ug	1.2
4-Chloro-3-methylphenol	ND	10	ug	1.0
2-Chloronaphthalene	ND	10	ug	0.50
2-Chlorophenol	ND	10	ug	0.98
4-Chlorophenyl phenyl ether	ND	10	ug	0.51
Chrysene	ND	10	ug	0.88
Dibenz(a,h)anthracene	ND	10	ug	2.0
Dibenzofuran	ND	10	ug	0.53
Di-n-butyl phthalate	ND	10	ug	0.71
1,2-Dichlorobenzene	ND	10	ug	0.84
1,3-Dichlorobenzene	ND	10	ug	1.2
1,4-Dichlorobenzene	ND	10	ug	1.1
3,3'-Dichlorobenzidine	ND	50	ug	2.7

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STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-015 **Work Order #...:** H2H331AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	10	ug	1.5
Diethyl phthalate	ND	10	ug	1.5
2,4-Dimethylphenol	ND	10	ug	2.9
Dimethyl phthalate	ND	10	ug	0.63
1,3-Dinitrobenzene	ND	10	ug	0.59
4,6-Dinitro-2-methylphenol	ND	50	ug	5.0
2,4-Dinitrophenol	ND	50	ug	5.9
2,4-Dinitrotoluene	ND	10	ug	1.6
2,6-Dinitrotoluene	ND	10	ug	1.3
Di-n-octyl phthalate	ND	10	ug	2.1
Diphenylamine	ND	10	ug	0.50
1,2-Diphenylhydrazine	ND	10	ug	0.63
Fluoranthene	ND	10	ug	0.50
Fluorene	ND	10	ug	0.51
Hexachlorobenzene	ND	10	ug	0.56
Hexachlorobutadiene	ND	10	ug	1.4
Hexachlorocyclopentadiene	ND	50	ug	10
Hexachloroethane	ND	10	ug	2.5
Indeno(1,2,3-cd)pyrene	ND	10	ug	2.1
Isophorone	ND	10	ug	0.66
2-Methylnaphthalene	ND	10	ug	0.56
2-Methylphenol	ND	10	ug	2.3
3-Methylphenol & 4-Methylphenol	ND	10	ug	2.3
Naphthalene	ND	10	ug	0.50
2-Nitroaniline	ND	50	ug	0.56
3-Nitroaniline	ND	50	ug	3.8
4-Nitroaniline	ND	50	ug	2.3
Nitrobenzene	ND	10	ug	0.73
2-Nitrophenol	ND	10	ug	3.2
4-Nitrophenol	ND	50	ug	3.3
N-Nitrosodimethylamine	ND	10	ug	0.72
N-Nitrosodiphenylamine	ND	10	ug	0.60
N-Nitrosodi-n-propylamine	ND	10	ug	0.73
Pentachlorobenzene	ND	10	ug	0.52
Pentachloronitrobenzene	ND	10	ug	0.76
Pentachlorophenol	ND	50	ug	25
Phenanthrene	ND	10	ug	0.51
Phenol	ND	10	ug	1.1
2,2'-oxybis(1-Chloropropane)	ND	10	ug	1.0

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STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

Lot-Sample #...: H6D030245-015 **Work Order #...:** H2H331AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pyrene	ND	10	ug	0.74
Pyridine	ND	20	ug	0.89
1,2,4,5-Tetrachloro-benzene	ND	10	ug	0.87
1,2,4-Trichloro-benzene	ND	10	ug	0.73
2,4,5-Trichloro-phenol	ND	10	ug	2.3
2,4,6-Trichloro-phenol	ND	10	ug	1.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	15 *	(19 - 100)
Phenol-d5	13 *	(15 - 124)
Nitrobenzene-d5	13 *	(35 - 122)
2-Fluorobiphenyl	23 *	(34 - 115)
2,4,6-Tribromophenol	26 *	(33 - 130)
Terphenyl-d14	35	(28 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

STL Knoxville - ACS

A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

Lot-Sample #: H6D030245-015 **Work Order #:** H2H331AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

Sample Data Summary

STL Knoxville - ACS

Client Sample ID: G-2919/2920-R1-MM5 FRONT HALF COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-001 **Work Order #...:** H2H3J1AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.20	ug	0.036
alpha-BHC	ND	0.10	ug	0.026
beta-BHC	ND	0.10	ug	0.033
delta-BHC	ND	0.050	ug	0.015
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	ND	0.050	ug	0.013
gamma-Chlordane	ND	0.30	ug	0.078
Chlorobenzilate	ND	0.40	ug	0.083
4,4'-DDD	ND	0.30	ug	0.083
4,4'-DDE	ND	0.20	ug	0.039
4,4'-DDT	ND	0.10	ug	0.023
Diallate	ND	30	ug	11
Dieldrin	ND	0.050	ug	0.013
Endosulfan I	ND	0.050	ug	0.013
Endosulfan II	ND	0.050	ug	0.014
Endosulfan sulfate	ND	0.10	ug	0.023
Endrin	ND	0.40	ug	0.050
Endrin aldehyde	ND	0.10	ug	0.018
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	ND	0.050	ug	0.016
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.10	ug	0.038

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(34 - 144)
Decachlorobiphenyl	91	(30 - 126)

STL Knoxville - ACS

Client Sample ID: G-2921/2922-R1-MM5 BACK HALF COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-002 **Work Order #...:** H2H3L1AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug	0.014
alpha-BHC	ND	0.10	ug	0.022
beta-BHC	ND	0.20	ug	0.063
delta-BHC	**0.022 J,COL**	**0.10**	**ug**	**0.019**
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	**0.021 J,COL**	**0.050**	**ug**	**0.016**
gamma-Chlordane	ND	0.30	ug	0.043
Chlorobenzilate	ND	0.40	ug	0.093
4,4'-DDD	ND	0.30	ug	0.093
4,4'-DDE	**0.052 J**	**0.20**	**ug**	**0.047**
4,4'-DDT	**0.063 J,COL**	**0.10**	**ug**	**0.021**
Diallate	ND	30	ug	9.7
Dieldrin	ND	0.050	ug	0.015
Endosulfan I	ND	0.10	ug	0.018
Endosulfan II	**0.060 J,COL**	**0.10**	**ug**	**0.023**
Endosulfan sulfate	ND	0.050	ug	0.013
Endrin	ND	0.40	ug	0.063
Endrin aldehyde	ND	0.10	ug	0.040
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	ND	0.050	ug	0.013
Heptachlor epoxide	**0.042 J,COL**	**0.050**	**ug**	**0.015**
Methoxychlor	ND	0.40	ug	0.11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	95	(34 - 144)
Decachlorobiphenyl	108	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

STL Knoxville - ACS

Client Sample ID: G-2923/2924-R1-MM5 IMPINGER COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-003 **Work Order #...:** H2H3M1AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 2.3 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.12	ug	0.034
alpha-BHC	ND	0.12	ug	0.016
beta-BHC	ND	0.23	ug	0.034
delta-BHC	ND	0.12	ug	0.025
gamma-BHC (Lindane)	ND	0.12	ug	0.012
alpha-Chlordane	ND	0.12	ug	0.014
gamma-Chlordane	ND	0.12	ug	0.018
Chlorobenzilate	**0.15 J,COL**	**0.46**	**ug**	**0.14**
4,4'-DDD	ND	0.46	ug	0.14
4,4'-DDE	ND	0.12	ug	0.028
4,4'-DDT	**0.026 J**	**0.12**	**ug**	**0.023**
Diallate	ND	2.3	ug	0.78
Dieldrin	ND	0.12	ug	0.012
Endosulfan I	ND	0.12	ug	0.014
Endosulfan II	ND	0.12	ug	0.018
Endosulfan sulfate	ND	0.12	ug	0.016
Endrin	ND	0.23	ug	0.051
Endrin aldehyde	**0.020 J,B,COL**	**0.12**	**ug**	**0.016**
Endrin ketone	ND	0.12	ug	0.025
Heptachlor	**0.020 J,COL**	**0.12**	**ug**	**0.012**
Heptachlor epoxide	ND	0.12	ug	0.012
Methoxychlor	ND	0.12	ug	0.037

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(34 - 144)
Decachlorobiphenyl	92	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

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

STL Knoxville - ACS

Client Sample ID: G-3017/3018-R2-MM5 FRONT HALF COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-004 **Work Order #...:** H2H3N1AC **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.20	ug	0.036
alpha-BHC	ND	0.10	ug	0.026
beta-BHC	ND	0.10	ug	0.033
delta-BHC	ND	0.050	ug	0.015
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	ND	0.050	ug	0.013
gamma-Chlordane	ND	0.30	ug	0.078
Chlorobenzilate	ND	0.40	ug	0.083
4,4'-DDD	ND	0.30	ug	0.083
4,4'-DDE	ND	0.20	ug	0.039
4,4'-DDT	ND	0.10	ug	0.023
Diallate	ND	30	ug	11
Dieldrin	ND	0.050	ug	0.013
Endosulfan I	ND	0.050	ug	0.013
Endosulfan II	ND	0.050	ug	0.014
Endosulfan sulfate	ND	0.10	ug	0.023
Endrin	ND	0.40	ug	0.050
Endrin aldehyde	ND	0.10	ug	0.018
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	ND	0.050	ug	0.016
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.10	ug	0.038

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(34 - 144)
Decachlorobiphenyl	92	(30 - 126)

STL Knoxville - ACS

Client Sample ID: G-3019/3020-R2-MM5 BACK HALF COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-005 **Work Order #...:** H2H3P1AC **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug	0.014
alpha-BHC	ND	0.10	ug	0.022
beta-BHC	ND	0.20	ug	0.063
delta-BHC	ND	0.10	ug	0.019
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	**0.028 J,COL**	**0.050**	**ug**	**0.016**
gamma-Chlordane	ND	0.30	ug	0.043
Chlorobenzilate	ND	0.40	ug	0.093
4,4'-DDD	ND	0.30	ug	0.093
4,4'-DDE	ND	0.20	ug	0.047
4,4'-DDT	ND	0.10	ug	0.021
Diallate	ND	30	ug	9.7
Dieldrin	ND	0.050	ug	0.015
Endosulfan I	ND	0.10	ug	0.018
Endosulfan II	ND	0.10	ug	0.023
Endosulfan sulfate	ND	0.050	ug	0.013
Endrin	ND	0.40	ug	0.063
Endrin aldehyde	ND	0.10	ug	0.040
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	ND	0.050	ug	0.013
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.40	ug	0.11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(34 - 144)
Decachlorobiphenyl	110	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

STL Knoxville - ACS

Client Sample ID: G-3021/3022-R2-MM5 IMPINGER COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-006 **Work Order #...:** H2H3Q1AC **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 2.2 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.11	ug	0.033
alpha-BHC	**0.023 J**	**0.11**	**ug**	**0.015**
beta-BHC	**0.052 J,COL**	**0.22**	**ug**	**0.033**
delta-BHC	**0.11 COL**	**0.11**	**ug**	**0.024**
gamma-BHC (Lindane)	ND	0.11	ug	0.011
alpha-Chlordane	ND	0.11	ug	0.013
gamma-Chlordane	ND	0.11	ug	0.018
Chlorobenzilate	ND	0.44	ug	0.13
4,4'-DDD	ND	0.44	ug	0.13
4,4'-DDE	ND	0.11	ug	0.026
4,4'-DDT	ND	0.11	ug	0.022
Diallate	ND	2.2	ug	0.75
Dieldrin	ND	0.11	ug	0.011
Endosulfan I	ND	0.11	ug	0.013
Endosulfan II	ND	0.11	ug	0.018
Endosulfan sulfate	ND	0.11	ug	0.015
Endrin	ND	0.22	ug	0.048
Endrin aldehyde	**0.18 B,COL**	**0.11**	**ug**	**0.015**
Endrin ketone	ND	0.11	ug	0.024
Heptachlor	**0.11 COL**	**0.11**	**ug**	**0.011**
Heptachlor epoxide	**0.025 J,COL**	**0.11**	**ug**	**0.011**
Methoxychlor	ND	0.11	ug	0.035

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(34 - 144)
Decachlorobiphenyl	73	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

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

STL Knoxville - ACS

Client Sample ID: G-3023/3024-R2-MM5 FRONT HALF COMPOSITE BT A

GC Semivolatiles

Lot-Sample #...: H6D030245-007 **Work Order #...:** H2H3R1AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.20	ug	0.036
alpha-BHC	ND	0.10	ug	0.026
beta-BHC	ND	0.10	ug	0.033
delta-BHC	ND	0.050	ug	0.015
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	ND	0.050	ug	0.013
gamma-Chlordane	ND	0.30	ug	0.078
Chlorobenzilate	ND	0.40	ug	0.083
4,4'-DDD	ND	0.30	ug	0.083
4,4'-DDE	ND	0.20	ug	0.039
4,4'-DDT	ND	0.10	ug	0.023
Diallate	ND	30	ug	11
Dieldrin	ND	0.050	ug	0.013
Endosulfan I	ND	0.050	ug	0.013
Endosulfan II	ND	0.050	ug	0.014
Endosulfan sulfate	ND	0.10	ug	0.023
Endrin	ND	0.40	ug	0.050
Endrin aldehyde	**0.019 J,COL**	**0.10**	**ug**	**0.018**
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	**0.034 J,B,COL**	**0.050**	**ug**	**0.016**
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.10	ug	0.038

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(34 - 144)
Decachlorobiphenyl	86	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

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

STL Knoxville - ACS

Client Sample ID: G-3025/3026-R2-MM5 BACK HALF COMPOSITE BT A

GC Semivolatiles

Lot-Sample #...: H6D030245-008 **Work Order #...:** H2H3T1AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug	0.014
alpha-BHC	ND	0.10	ug	0.022
beta-BHC	ND	0.20	ug	0.063
delta-BHC	ND	0.10	ug	0.019
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	ND	0.050	ug	0.016
gamma-Chlordane	**0.048 J,COL**	**0.30**	**ug**	**0.043**
Chlorobenzilate	ND	0.40	ug	0.093
4,4'-DDD	ND	0.30	ug	0.093
4,4'-DDE	ND	0.20	ug	0.047
4,4'-DDT	ND	0.10	ug	0.021
Diallate	ND	30	ug	9.7
Dieldrin	ND	0.050	ug	0.015
Endosulfan I	ND	0.10	ug	0.018
Endosulfan II	ND	0.10	ug	0.023
Endosulfan sulfate	ND	0.050	ug	0.013
Endrin	ND	0.40	ug	0.063
Endrin aldehyde	ND	0.10	ug	0.040
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	ND	0.050	ug	0.013
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.40	ug	0.11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(34 - 144)
Decachlorobiphenyl	96	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

STL Knoxville - ACS

Client Sample ID: G-3027/3028-R2-MM5 IMPINGER COMPOSITE BT A

GC Semivolatiles

Lot-Sample #...: H6D030245-009 **Work Order #...:** H2H3V1AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 2 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.10	ug	0.030
alpha-BHC	ND	0.10	ug	0.014
beta-BHC	**0.070 J,COL**	**0.20**	**ug**	**0.030**
delta-BHC	**0.064 J,COL**	**0.10**	**ug**	**0.022**
gamma-BHC (Lindane)	ND	0.10	ug	0.010
alpha-Chlordane	ND	0.10	ug	0.012
gamma-Chlordane	ND	0.10	ug	0.016
Chlorobenzilate	ND	0.40	ug	0.12
4,4'-DDD	ND	0.40	ug	0.12
4,4'-DDE	ND	0.10	ug	0.024
4,4'-DDT	ND	0.10	ug	0.020
Diallate	ND	2.0	ug	0.68
Dieldrin	ND	0.10	ug	0.010
Endosulfan I	ND	0.10	ug	0.012
Endosulfan II	**0.020 J**	**0.10**	**ug**	**0.016**
Endosulfan sulfate	ND	0.10	ug	0.014
Endrin	ND	0.20	ug	0.044
Endrin aldehyde	**0.11 B,COL**	**0.10**	**ug**	**0.014**
Endrin ketone	ND	0.10	ug	0.022
Heptachlor	**0.045 J,COL**	**0.10**	**ug**	**0.010**
Heptachlor epoxide	**0.020 J,COL**	**0.10**	**ug**	**0.010**
Methoxychlor	ND	0.10	ug	0.032

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(34 - 144)
Decachlorobiphenyl	45	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

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

STL Knoxville - ACS

Client Sample ID: G-3029-R2-MM5 TRAIN A XAD-2 TRIP/RB

GC Semivolatiles

Lot-Sample #...: H6D030245-010 **Work Order #...:** H2H3W1AC **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug	0.014
alpha-BHC	ND	0.10	ug	0.022
beta-BHC	ND	0.20	ug	0.063
delta-BHC	ND	0.10	ug	0.019
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	ND	0.050	ug	0.016
gamma-Chlordane	ND	0.30	ug	0.043
Chlorobenzilate	ND	0.40	ug	0.093
4,4'-DDD	ND	0.30	ug	0.093
4,4'-DDE	ND	0.20	ug	0.047
4,4'-DDT	**0.037 J,COL**	**0.10**	**ug**	**0.021**
Diallate	ND	30	ug	9.7
Dieldrin	ND	0.050	ug	0.015
Endosulfan I	ND	0.10	ug	0.018
Endosulfan II	ND	0.10	ug	0.023
Endosulfan sulfate	ND	0.050	ug	0.013
Endrin	ND	0.40	ug	0.063
Endrin aldehyde	ND	0.10	ug	0.040
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	**0.014 J,COL**	**0.050**	**ug**	**0.013**
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.40	ug	0.11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(34 - 144)
Decachlorobiphenyl	100	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

STL Knoxville - ACS

Client Sample ID: G-3103/3104-R3-MM5 FRONT HALF COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-011 **Work Order #...:** H2H3X1AC **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.20	ug	0.036
alpha-BHC	ND	0.10	ug	0.026
beta-BHC	ND	0.10	ug	0.033
delta-BHC	ND	0.050	ug	0.015
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	ND	0.050	ug	0.013
gamma-Chlordane	ND	0.30	ug	0.078
Chlorobenzilate	ND	0.40	ug	0.083
4,4'-DDD	ND	0.30	ug	0.083
4,4'-DDE	ND	0.20	ug	0.039
4,4'-DDT	ND	0.10	ug	0.023
Diallate	ND	30	ug	11
Dieldrin	ND	0.050	ug	0.013
Endosulfan I	ND	0.050	ug	0.013
Endosulfan II	ND	0.050	ug	0.014
Endosulfan sulfate	ND	0.10	ug	0.023
Endrin	ND	0.40	ug	0.050
Endrin aldehyde	ND	0.10	ug	0.018
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	ND	0.050	ug	0.016
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.10	ug	0.038

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(34 - 144)
Decachlorobiphenyl	94	(30 - 126)

STL Knoxville - ACS

Client Sample ID: G-3105/3106-R3-MM5 BACK HALF COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-012 **Work Order #...:** H2H301AC **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug	0.014
alpha-BHC	ND	0.10	ug	0.022
beta-BHC	**0.074 J,COL**	**0.20**	**ug**	**0.063**
delta-BHC	ND	0.10	ug	0.019
gamma-BHC (Lindane)	ND	0.050	ug	0.014
alpha-Chlordane	ND	0.050	ug	0.016
gamma-Chlordane	ND	0.30	ug	0.043
Chlorobenzilate	**0.097 J,COL**	**0.40**	**ug**	**0.093**
4,4'-DDD	**0.26 J**	**0.30**	**ug**	**0.093**
4,4'-DDE	ND	0.20	ug	0.047
4,4'-DDT	ND	0.10	ug	0.021
Diallate	ND	30	ug	9.7
Dieldrin	ND	0.050	ug	0.015
Endosulfan I	ND	0.10	ug	0.018
Endosulfan II	ND	0.10	ug	0.023
Endosulfan sulfate	ND	0.050	ug	0.013
Endrin	ND	0.40	ug	0.063
Endrin aldehyde	ND	0.10	ug	0.040
Endrin ketone	ND	0.050	ug	0.017
Heptachlor	ND	0.050	ug	0.013
Heptachlor epoxide	ND	0.050	ug	0.015
Methoxychlor	ND	0.40	ug	0.11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(34 - 144)
Decachlorobiphenyl	105	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

STL Knoxville - ACS

Client Sample ID: G-3107/3108-R3-MM5 IMPINGER COMPOSITE TRAIN A

GC Semivolatiles

Lot-Sample #...: H6D030245-013 **Work Order #...:** H2H311AC **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 2.3 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.12	ug	0.034
alpha-BHC	ND	0.12	ug	0.016
beta-BHC	**0.035 J,COL**	**0.23**	**ug**	**0.034**
delta-BHC	**0.078 J,COL**	**0.12**	**ug**	**0.025**
gamma-BHC (Lindane)	ND	0.12	ug	0.012
alpha-Chlordane	ND	0.12	ug	0.014
gamma-Chlordane	ND	0.12	ug	0.018
Chlorobenzilate	ND	0.46	ug	0.14
4,4'-DDD	ND	0.46	ug	0.14
4,4'-DDE	ND	0.12	ug	0.028
4,4'-DDT	ND	0.12	ug	0.023
Diallate	ND	2.3	ug	0.78
Dieldrin	ND	0.12	ug	0.012
Endosulfan I	ND	0.12	ug	0.014
Endosulfan II	ND	0.12	ug	0.018
Endosulfan sulfate	ND	0.12	ug	0.016
Endrin	ND	0.23	ug	0.051
Endrin aldehyde	**0.022 J,B,COL**	**0.12**	**ug**	**0.016**
Endrin ketone	ND	0.12	ug	0.025
Heptachlor	**0.056 J,COL**	**0.12**	**ug**	**0.012**
Heptachlor epoxide	**0.013 J,COL**	**0.12**	**ug**	**0.012**
Methoxychlor	ND	0.12	ug	0.037

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(34 - 144)
Decachlorobiphenyl	78	(30 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

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

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC Semivolatiles

Lot-Sample #...: H6D030245-014 **Work Order #...:** H2H321AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	0.10	ug	0.022
beta-BHC	ND	0.20	ug	0.063
alpha-Chlordane	ND	0.050	ug	0.016
gamma-Chlordane	ND	0.30	ug	0.043
Chlorobenzilate	ND	0.40	ug	0.093
Diallate	ND	30	ug	9.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(34 - 144)
Decachlorobiphenyl	101	(30 - 126)

STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC Semivolatiles

Lot-Sample #...: H6D030245-015 **Work Order #...:** H2H331AC **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	0.10	ug	0.026
beta-BHC	ND	0.10	ug	0.033
alpha-Chlordane	ND	0.050	ug	0.013
gamma-Chlordane	ND	0.30	ug	0.078
Chlorobenzilate	ND	0.40	ug	0.083
Diallate	ND	30	ug	11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	37	(34 - 144)
Decachlorobiphenyl	44	(30 - 126)