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ANALYTICAL REPORT

REVISED

PROJECT NO. 142541

Focus/US Filter Westates 0030

Lot #: H6D030169

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ANALYTICAL METHODS SUMMARY

H6D030169

PARAMETER	ANALYTICAL METHOD
Volatile Organic Sampling Train (VOST)	SW846 VOST
Volatile Organics by GC/MS	SW846 8260B

References:

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

SAMPLE SUMMARY

H6D030169

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2G87	003	G-2910-R1-VOST PAIR #2 TENAX	03/28/06	
H2G89	004	G-2911-R1-VOST PAIR #2 TENAX/CHARCOAL	03/28/06	
H2G9A	005	G-2912-R1-VOST PAIR #3 TENAX	03/28/06	
H2G9D	006	G-2913-R1-VOST PAIR #3 TENAX/CHARCOAL	03/28/06	
H2G9F	007	G-2914-R1-VOST PAIR #4 TENAX	03/28/06	
H2G9G	008	G-2915-R1-VOST PAIR #4 TENAX/CHARCOAL	03/28/06	
H2G9H	009	G-2916-R1-VOST CONDENSATE	03/28/06	
H2G9J	010	G-2917-R1-VOST TENAX FB	03/28/06	
H2G9L	011	G-2918-R1-VOST TENAX/CHARCOAL FB	03/28/06	
H2G9W	014	G-3008-R2-VOST PAIR #2 TENAX	03/29/06	
H2G91	015	G-3009-R2-VOST PAIR #2 TENAX/CHARCOAL	03/29/06	
H2G97	016	G-3010-R2-VOST PAIR #3 TENAX	03/29/06	
H2G98	017	G-3011-R2-VOST PAIR #3 TENAX/CHARCOAL	03/29/06	
H2G99	018	G-3012-R2-VOST PAIR #4 TENAX	03/29/06	
H2HAA	019	G-3013-R2-VOST PAIR #4 TENAX/CHARCOAL	03/29/06	
H2HAD	020	G-3014-R2-VOST CONDENSATE	03/29/06	
H2HA7	021	G-3015-R2-VOST TENAX FB	03/29/06	
H2HCA	022	G-3016-R2-VOST TENAX/CHARCOAL FB	03/29/06	
H2HCD	023	G-3089-R3-VOST PAIR #1 TENAX	03/30/06	
H2HCF	024	G-3090-R3-VOST PAIR #1 TENAX/CHARCOAL	03/30/06	
H2HCG	025	G-3091-R3-VOST PAIR #2 TENAX	03/30/06	
H2HCL	026	G-3092-R3-VOST PAIR #2 TENAX/CHARCOAL	03/30/06	
H2HCM	027	G-3093-R3-VOST PAIR #3 TENAX	03/30/06	
H2HCN	028	G-3094-R3-VOST PAIR #3 TENAX/CHARCOAL	03/30/06	
H2HCP	029	G-3095-R3-VOST PAIR #4 TENAX	03/30/06	
H2HCQ	030	G-3096-R3-VOST PAIR #4 TENAX/CHARCOAL	03/30/06	
H2HCR	031	G-3097-R3-VOST CONDENSATE	03/30/06	
H2HCV	032	G-3098-R3-VOST TENAX FB	03/30/06	
H2HCW	033	G-3099-R3-VOST TENAX/CHARCOAL FB	03/30/06	
H2HCX	034	G-3100-R3-VOST TENAX TB	03/30/06	
H2HC0	035	G-3101-R3-VOST TENAX/CHARCOAL TB	03/30/06	
H2HC1	036	G-3102-R3-VOST DI WATER TB	03/28/06	
H2HC2	037	A-5363 MEDIA CHECK TENAX	03/28/06	
H2HC4	038	A-5364 MEDIA CHECK TENAX/CHARCOAL	03/28/06	
H2KHL	039	AUDIT VOST #1	03/28/06	
H2KHR	040	AUDIT VOST #2	03/28/06	

(Continued on next page)

SAMPLE SUMMARY

H6D030169

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2KHV	041	AUDIT VOST #3	03/28/06	
H2KHW	042	AUDIT VOST #4	03/28/06	
H2KHX	043	AUDIT VOST #5	03/28/06	
H2KH1	044	AUDIT VOST #6	03/28/06	
H2KH4	045	A-5388 MEDIA CHECK	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
H6D030169 – Revised 05/15/06

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, the samples were hand delivered by the field test team.

The "Relinquished by" field on the chain of custody documentation was not signed by the field sampling team members. Samples were hand delivered by the sampling team, but custody was not relinquished.

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.

Volatile Organic Sampling Train (VOST) Preparation and Analysis

VOST tubes and condensate samples were analyzed for the volatile organic target analytes by purge and trap GCMS using STL Knoxville standard operating procedures KNOX-MS-0011 and KNOX-MS-0015, based on the following methods:

- SW-846 5041A, "Analysis for Desorption of Sorbent Cartridges from Volatile Organic Sampling Train (VOST)"
- SW-846 8260B, "Volatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS)"

Samples were received as SW-846 Method 0030 trains. Each Tenax and Tenax/charcoal tube is separately prepared by spiking a known amount of surrogate onto the media using a flash vaporization device. Volatile compounds are introduced into the gas chromatograph by thermal

PROJECT NARRATIVE
H6D030169 – Revised 05/15/06

desorption of the analytes from the VOST tube using a clamshell oven and a purge and trap system of introduction. VOST condensates are spiked with surrogates and purged directly to the GC column. The components are separated using gas chromatography and detected using a mass spectrometer, which collectively provide both qualitative and quantitative information.

Sample final results were calculated using the following equations:

$$\text{VOST Result, ug} = (On\,column\,concentration, ug / L) * (Purge\ Volume, L)$$

$$\text{Condensate Result, ug/L} = (On\,column\,concentration, ug / L) * Dilution\ Factor$$

Batch matrix spike/matrix spike duplicate recoveries for the condensates were acceptable for all analytes except benzene, toluene and chlorobenzene. The matrix spike/matrix spike duplicate results are attributed to matrix effects. The laboratory control sample showed acceptable results indicating that the analysis was in control.

The following samples gave results for chlorobenzene and/or tetrachloroethene that were above the original laboratory calibration range, and flagged with an "E" qualifier:

- G-2910-R1-VOST Pair #2 Tenax
- G-2912-R1-VOST Pair #3 Tenax
- G-3089-R3-VOST Pair #1 Tenax
- G-3091-R3-VOST Pair #2 Tenax
- G-3093-R3-VOST Pair #3 Tenax

Reanalysis at a dilution was not possible since the entire sample is consumed during these types of analyses.

In order to obtain results for which precision and accuracy assessment can be measured for the "E" qualified values, additional procedures using an extended calibration range were undertaken. New calibration standards for chlorobenzene and tetrachloroethene were analyzed on 5/3/06 on the same associated instrument at concentrations of 10, 80, 160, 240 and 320 µg/L. These concentrations in the standard correspond to total amounts of the analytes of 0.25, 2, 4, 6 and 8 µg. The high standard exhibited some saturation for chlorobenzene at the highest values, but was used in the curve, because the loss of response due to saturation for this analyte is small and

PROJECT NARRATIVE
H6D030169 – Revised 05/15/06

inconsequential to the quantitation. Subsequently, new average response factors for chlorobenzene and tetrachloroethene were calculated for the calibration range of 0.25 to 8 µg on the VOST tubes. The %RSD values calculated for the new response factors were acceptable for both compounds.

The new calibration data was not simply appended to the original curve. Instead, a new calibration curve was used to completely re-quantify the results and a percent difference was measured to assess the drift of response factors for the compounds analyzed on the different days.

As stated above, the following samples gave results for chlorobenzene and/or tetrachloroethene that were originally above the laboratory calibration range, and flagged with an "E" qualifier:

- G-2910-R1-VOST Pair #2 Tenax
- G-2912-R1-VOST Pair #3 Tenax
- G-3089-R3-VOST Pair #1 Tenax
- G-3091-R3-VOST Pair #2 Tenax
- G-3093-R3-VOST Pair #3 Tenax

These samples and the associated daily calibration check standard that were analyzed with these samples on 4/7/06 were re-quantified relative to the new extended calibration run on 5/3/06 curve. The re-quantified results are presented as a separate, additional report. The original data is also included which displays the "E" flagged data for comparison.

Note that the original initial calibration was still valid and being used for other analyses when the extended initial calibration curve was analyzed. Therefore, no major maintenance of the instrument had been performed during the time span from the initial calibration performed on 2/15/06 and the extended range calibration that was performed on 5/3/06. The %D (drift measurement) of the analytes based on the daily standard relative to either initial calibration curve is within the specifications of the method. Therefore, both calibration curves represent acceptable and compliant performance of the instrument for the entire analytical time span, inclusive of the day that the sample data were collected. The extended-range calibration bracketed the data within the range of the calibration, even though the new calibration was performed after the samples were analyzed, representing an external calibration method which is not the normal way to execute the referenced analytical method (SW-8260B).

PROJECT NARRATIVE
H6D030169 – Revised 05/15/06

The exact response of any GC/MS instrument normally varies from day to day. This is the reason that daily calibration verification standards are analyzed, which is to judge whether the drift of the instrument calibration is significant in magnitude or is normal such that the curve is allowed to be in continued use. For either of these initial calibration curves, the drift (or change in response factor between the calibration used for quantification and the daily calibration verification standard) is within specifications of the method. The new, extended range calibration curve indicates linearity of the response to a level that is inclusive of the response of chlorobenzene and tetrachloroethene in any of these samples. The new response factors are somewhat higher (12% for tetrachloroethene and 10% for chlorobenzene) resulting in recalculated results approximately 10% lower than the original results, as shown by the following table.

STL Lot-Sample Number	STL Work Order Number	Client Sample ID	Target Analyte	Original Result (µg)	Recalculated Result (µg)
H6D030169-003	H2G87	G-2910-R1-VOST PAIR #2 TENAX	Chlorobenzene Tetrachloroethene	5.8 E 4.7 E	5.2 4.2
H6D030169-005	H2G9A	G-2912-R1-VOST PAIR #3 TENAX	Chlorobenzene	3.5 E	3.2
H6D030169-023	H2HCD	G-3089-R3-VOST PAIR #1 TENAX	Chlorobenzene	2.3 E	2.1
H6D030169-025	H2HCG	G-3091-R3-VOST PAIR #2 TENAX	Chlorobenzene Tetrachloroethene	3.4 E 2.4 E	3.1 2.2
H6D030169-027	H2HCM	G-2910-R1-VOST PAIR #2 TENAX	Chlorobenzene	3.1 E	2.8

VOST Tenax tubes were spiked with 6 µg of chlorobenzene and tetrachloroethene and analyzed on 5/9/06. VOST Tenax tubes were spiked with 12 µg of chlorobenzene and tetrachloroethene and analyzed on 5/3/06. The tubes were analyzed to show percent recovery results for a high concentration spike and spikes comparable to the sample levels observed. These analyses were quantified against the new calibration curve as well, and is presented in a table below, with the raw data placed in the miscellaneous data section of the data package.

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Cert. #05-043-0, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, expires 6/24/05), Hawaii DOH, Illinois EPA Cert. #000687, Indiana DOH Cert. #C-TN-02, Iowa DNR Cert. #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH Cert. #LA030024, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #TN001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Cert. #CL0059, Oklahoma DEQ ID #9415, Pennsylvania DEP Cert. #68-00576, South Carolina DHEC Lab ID #84001001, Tennessee DOH Lab ID #02014, Utah DOH Cert. # QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, West Virginia DEP Cert. #345, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

PROJECT NARRATIVE
H6D030169 – Revised 05/15/06

Spiked Tenax Tube Recovery

Target Analyte	Spiked Amount (µg)	Recovered Amount (µg)	Percent Recovery (%)
Chlorobenzene	6.0	3.68	61%
Tetrachloroethene	6.0	4.78	80%
Chlorobenzene	12	7.60	63%
Tetrachloroethene	12	9.66	80%

In conclusion, the re-run data presents defensibility for the data beyond the original calibration points. The data demonstrate that linearity is reasonably extended beyond the top calibration point of the method and includes all the "E" values reported in the original data set. There is no systematic low bias observed for this data and no obvious measurement error. The sample concentrations obtained are defensible and should be acceptable for use for their intended purpose.

One surrogate recovery for sample G-3095-R3-VOST Pair #4 Tenax was outside QC limits. However, reanalysis of the sample was not possible since the entire sample was consumed during analysis. The archive pair G-3089-R3-VOST Pair #1 Tenax was analyzed which confirmed sample matrix effects.

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Sample Data Summary

STL Knoxville - ACS

Client Sample ID: G-2910-R1-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-003 **Work Order #...:** H2G871AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	0.10	ug	0.085
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0092 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.030**	**0.010**	**ug**	**0.0016**
Bromoform	**0.13**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0078 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0037 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**5.8 E**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.086**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.020**	**0.010**	**ug**	**0.0019**
Chloromethane	**0.0087 J**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2910-R1-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-003 **Work Order #...:** H2G871AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.069**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	**0.0028 J**	**0.010**	**ug**	**0.0010**
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**4.7 E**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.078**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0081 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0049 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.0049 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	84	(50 - 134)
1,2-Dichloroethane-d4	91	(50 - 134)
Toluene-d8	76	(57 - 127)
Bromofluorobenzene	64	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

STL Knoxville - ACS

G-2910-R1-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-003 **Work Order #:** H2G871AA **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: G-2910-R1-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-003 Work Order #...: H2G872AA Matrix.....: AIR
Date Sampled...: 03/28/06 Date Received..: 04/02/06
Prep Date.....: 04/07/06 Analysis Date..: 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 Method.....: SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	5.2	0.010	ug	0.0013
Tetrachloroethene	4.2	0.010	ug	0.0021

STL Knoxville - ACS

Client Sample ID: G-2911-R1-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-004 **Work Order #...:** H2G891AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.098 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0047 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.020**	**0.010**	**ug**	**0.0016**
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.042 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0013 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0090 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**0.018**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.0030 J**	**0.010**	**ug**	**0.0019**
Chloromethane	**0.40**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.0081 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2911-R1-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-004 **Work Order #...:** H2G891AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.015 J**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.033**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0067 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.015**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(50 - 134)
1,2-Dichloroethane-d4	107	(50 - 134)
Toluene-d8	99	(57 - 127)
Bromofluorobenzene	96	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-2911-R1-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-004 **Work Order #:** H2G891AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Unknown		0.068 NJ M	9.3166	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-2912-R1-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-005 **Work Order #...:** H2G9A1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.45**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.049**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.023**	**0.010**	**ug**	**0.0016**
Bromoform	**0.091**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0076 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0034 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**3.5 E**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.063**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.016**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2912-R1-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-005 **Work Order #...:** H2G9A1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.026**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.68**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.088**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0080 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0046 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	73	(50 - 134)
1,2-Dichloroethane-d4	73	(50 - 134)
Toluene-d8	70	(57 - 127)
Bromofluorobenzene	57	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

STL Knoxville - ACS

G-2912-R1-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-005 **Work Order #:** H2G9A1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Benzaldehyde	100-52-7	0.087 NJ M	10.088	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-2912-R1-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-005 **Work Order #...:** H2G9A2AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	**3.2**	**0.010**	**ug**	**0.0013**

STL Knoxville - ACS

Client Sample ID: G-2913-R1-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-006 **Work Order #...:** H2G9D1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.10 B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0062 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	**0.024 J**	**0.025**	**ug**	**0.0066**
Bromomethane	**0.043 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.056**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.0023 J**	**0.010**	**ug**	**0.0019**
Chloromethane	**0.51**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.010 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2913-R1-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-006 **Work Order #...:** H2G9D1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.015 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.016**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0056 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.012**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	118	(50 - 134)
1,2-Dichloroethane-d4	113	(50 - 134)
Toluene-d8	106	(57 - 127)
Bromofluorobenzene	97	(50 - 125)

NOTE(S):

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

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-2913-R1-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-006 **Work Order #:** H2G9D1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Unknown		0.051 NJ M	9.3163	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-2914-R1-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-007 **Work Order #...:** H2G9F1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.46**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	**0.0079 J**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0017 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.031**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.050**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	**0.0029 J**	**0.010**	**ug**	**0.0025**
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2914-R1-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-007 **Work Order #...:** H2G9F1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	**0.0049 J**	**0.010**	**ug**	**0.0013**
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.11**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	**0.011 J**	**0.025**	**ug**	**0.010**
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.0059 J**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.028**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.032**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	**0.031 J**	**0.050**	**ug**	**0.0049**
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.015 J**	**0.020**	**ug**	**0.0034**
o-Xylene	**0.0036 J**	**0.010**	**ug**	**0.0017**
Xylenes (total)	**0.019 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	74	(50 - 134)
1,2-Dichloroethane-d4	77	(50 - 134)
Toluene-d8	75	(57 - 127)
Bromofluorobenzene	65	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-2914-R1-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-007 **Work Order #:** H2G9F1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Benzaldehyde	100-52-7	0.078 NJ M	10.089	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-2915-R1-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-008 **Work Order #...:** H2G9G1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.094 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.030 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.0013 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.0042 J**	**0.010**	**ug**	**0.0019**
Chloromethane	**0.30**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.19**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2915-R1-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-008 **Work Order #...:** H2G9G1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.015 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.036**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.011**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	**0.021 J**	**0.050**	**ug**	**0.0049**
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	**0.0065 J**	**0.010**	**ug**	**0.0032**
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(50 - 134)
1,2-Dichloroethane-d4	110	(50 - 134)
Toluene-d8	95	(57 - 127)
Bromofluorobenzene	86	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-2915-R1-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-008 **Work Order #:** H2G9G1AA **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: G-2916-R1-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #...: H6D030169-009 **Work Order #...:** H2G9H1AA **Matrix.....:** WATER
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/05/06
Prep Batch #...: 6095253
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.8 J**	**10**	**ug/L**	**1.4**
Acrylonitrile	ND	20	ug/L	2.7
Benzene	ND	1.0	ug/L	0.10
Bromobenzene	ND	1.0	ug/L	0.11
Bromochloromethane	ND	1.0	ug/L	0.24
Bromodichloromethane	**2.2**	**1.0**	**ug/L**	**0.10**
Bromoform	ND	1.0	ug/L	0.14
Bromomethane	ND	2.0	ug/L	0.38
2-Butanone	ND	5.0	ug/L	0.75
n-Butylbenzene	ND	1.0	ug/L	0.10
sec-Butylbenzene	ND	1.0	ug/L	0.10
tert-Butylbenzene	ND	1.0	ug/L	0.24
Carbon disulfide	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.12
Chlorobenzene	ND	1.0	ug/L	0.10
Chlorodibromomethane	**1.0**	**1.0**	**ug/L**	**0.20**
Chloroethane	ND	2.0	ug/L	0.24
Chloroform	**6.1**	**1.0**	**ug/L**	**0.10**
Chloromethane	ND	2.0	ug/L	0.12
2-Chlorotoluene	ND	1.0	ug/L	0.24
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.45
1,2-Dibromoethane	ND	1.0	ug/L	0.24
Dibromomethane	ND	1.0	ug/L	0.21
1,2-Dichlorobenzene	ND	1.0	ug/L	0.10
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
Dichlorodifluoromethane	ND	2.0	ug/L	0.15
1,1-Dichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	**0.14 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.12
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.10
1,3-Dichloropropane	ND	1.0	ug/L	0.17
2,2-Dichloropropane	ND	1.0	ug/L	0.11
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.10
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.11

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STL Knoxville - ACS

Client Sample ID: G-2916-R1-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #...: H6D030169-009 **Work Order #...:** H2G9H1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.10
Ethylbenzene	ND	1.0	ug/L	0.10
Hexachlorobutadiene	ND	2.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	0.76
Iodomethane	ND	2.0	ug/L	0.12
Isopropylbenzene	ND	1.0	ug/L	0.10
p-Isopropyltoluene	ND	1.0	ug/L	0.10
Methylene chloride	**2.3**	**2.0**	**ug/L**	**0.23**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.40
Naphthalene	ND	1.0	ug/L	0.17
n-Propylbenzene	ND	1.0	ug/L	0.10
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.12
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.10
Tetrahydrofuran	ND	4.0	ug/L	1.2
Toluene	**0.19 J**	**1.0**	**ug/L**	**0.10**
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.23
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,1,2-Trichloroethane	ND	1.0	ug/L	0.25
Trichloroethene	**0.57 J**	**1.0**	**ug/L**	**0.10**
Trichlorofluoromethane	ND	2.0	ug/L	0.12
1,2,3-Trichloropropane	ND	1.0	ug/L	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.13
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.11
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.10
Vinyl acetate	ND	2.0	ug/L	0.24
Vinyl chloride	ND	1.0	ug/L	0.24
m-Xylene & p-Xylene	ND	1.0	ug/L	0.20
o-Xylene	ND	1.0	ug/L	0.14
Xylenes (total)	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(79 - 120)
1,2-Dichloroethane-d4	106	(71 - 127)
Toluene-d8	104	(80 - 120)
Bromofluorobenzene	95	(69 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-2916-R1-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #: H6D030169-009 **Work Order #:** H2G9H1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

STL Knoxville - ACS

Client Sample ID: G-2916-R1-VOST CONDENSATE DUP

GC/MS Volatiles

Lot-Sample #...: H6D030169-009 **Work Order #...:** H2G9H1AC **Matrix.....:** WATER
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/05/06
Prep Batch #...: 6095253
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**18**	**10**	**ug/L**	**1.4**
Acrylonitrile	ND	20	ug/L	2.7
Benzene	ND	1.0	ug/L	0.10
Bromobenzene	ND	1.0	ug/L	0.11
Bromochloromethane	ND	1.0	ug/L	0.24
Bromodichloromethane	ND	1.0	ug/L	0.10
Bromoform	ND	1.0	ug/L	0.14
Bromomethane	ND	2.0	ug/L	0.38
2-Butanone	ND	5.0	ug/L	0.75
n-Butylbenzene	ND	1.0	ug/L	0.10
sec-Butylbenzene	ND	1.0	ug/L	0.10
tert-Butylbenzene	ND	1.0	ug/L	0.24
Carbon disulfide	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.12
Chlorobenzene	ND	1.0	ug/L	0.10
Chlorodibromomethane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.10
Chloromethane	ND	2.0	ug/L	0.12
2-Chlorotoluene	ND	1.0	ug/L	0.24
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.45
1,2-Dibromoethane	ND	1.0	ug/L	0.24
Dibromomethane	ND	1.0	ug/L	0.21
1,2-Dichlorobenzene	ND	1.0	ug/L	0.10
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
Dichlorodifluoromethane	ND	2.0	ug/L	0.15
1,1-Dichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.12
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.10
1,3-Dichloropropane	ND	1.0	ug/L	0.17
2,2-Dichloropropane	ND	1.0	ug/L	0.11
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.10
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.11

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STL Knoxville - ACS

Client Sample ID: G-2916-R1-VOST CONDENSATE DUP

GC/MS Volatiles

Lot-Sample #...: H6D030169-009 **Work Order #...:** H2G9H1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.10
Ethylbenzene	ND	1.0	ug/L	0.10
Hexachlorobutadiene	ND	2.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	0.76
Iodomethane	ND	2.0	ug/L	0.12
Isopropylbenzene	ND	1.0	ug/L	0.10
p-Isopropyltoluene	ND	1.0	ug/L	0.10
Methylene chloride	ND	2.0	ug/L	0.23
4-Methyl-2-pentanone	ND	5.0	ug/L	0.40
Naphthalene	ND	1.0	ug/L	0.17
n-Propylbenzene	ND	1.0	ug/L	0.10
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.12
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.10
Tetrahydrofuran	ND	4.0	ug/L	1.2
Toluene	ND	1.0	ug/L	0.10
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.23
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,1,2-Trichloroethane	ND	1.0	ug/L	0.25
Trichloroethene	ND	1.0	ug/L	0.10
Trichlorofluoromethane	ND	2.0	ug/L	0.12
1,2,3-Trichloropropane	ND	1.0	ug/L	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.13
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.11
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.10
Vinyl acetate	ND	2.0	ug/L	0.24
Vinyl chloride	ND	1.0	ug/L	0.24
m-Xylene & p-Xylene	ND	1.0	ug/L	0.20
o-Xylene	ND	1.0	ug/L	0.14
Xylenes (total)	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(79 - 120)
1,2-Dichloroethane-d4	116	(71 - 127)
Toluene-d8	101	(80 - 120)
Bromofluorobenzene	95	(69 - 126)

STL Knoxville - ACS

Client Sample ID: G-2917-R1-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-010 **Work Order #...:** H2G9J1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.099 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2917-R1-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-010 **Work Order #...:** H2G9J1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.013 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(50 - 134)
1,2-Dichloroethane-d4	99	(50 - 134)
Toluene-d8	91	(57 - 127)
Bromofluorobenzene	79	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-2917-R1-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #: H6D030169-010 **Work Order #:** H2G9J1AA **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: G-2918-R1-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-011 **Work Order #...:** H2G9L1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.10 B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.025 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.0053 J**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-2918-R1-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-011 **Work Order #...:** H2G9L1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	118	(50 - 134)
1,2-Dichloroethane-d4	112	(50 - 134)
Toluene-d8	104	(57 - 127)
Bromofluorobenzene	93	(50 - 125)

NOTE(S):

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

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-2918-R1-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #: H6D030169-011 **Work Order #:** H2G9L1AA **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: G-3008-R2-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-014 **Work Order #...:** H2G9W1AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.60**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0062 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.040**	**0.010**	**ug**	**0.0016**
Bromoform	**0.17**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0095 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0049 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**1.6**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.12**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.033**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3008-R2-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-014 **Work Order #...:** H2G9W1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.040**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.23**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.17**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0053 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0073 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.0073 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	73	(50 - 134)
1,2-Dichloroethane-d4	73	(50 - 134)
Toluene-d8	71	(57 - 127)
Bromofluorobenzene	64	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3008-R2-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-014 **Work Order #:** H2G9W1AA **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: G-3009-R2-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-015 **Work Order #...:** H2G911AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.097 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.028 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.0028 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.0019 J**	**0.010**	**ug**	**0.0019**
Chloromethane	**0.061**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.018 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3009-R2-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-015 **Work Order #...:** H2G911AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.019 J**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0034 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0093 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(50 - 134)
1,2-Dichloroethane-d4	98	(50 - 134)
Toluene-d8	88	(57 - 127)
Bromofluorobenzene	90	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3009-R2-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-015 **Work Order #:** H2G911AA **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: G-3010-R2-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-016 **Work Order #...:** H2G971AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.46**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0094 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.033**	**0.010**	**ug**	**0.0016**
Bromoform	**0.14**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0079 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0045 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**0.65**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.096**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.022**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3010-R2-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-016 **Work Order #...:** H2G971AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	**0.018 J**	**0.025**	**ug**	**0.010**
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.087**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.013**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0054 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.0054 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	76	(50 - 134)
1,2-Dichloroethane-d4	75	(50 - 134)
Toluene-d8	79	(57 - 127)
Bromofluorobenzene	67	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3010-R2-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-016 **Work Order #:** H2G971AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Benzaldehyde	100-52-7	0.040 NJ M	10.089	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-3011-R2-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-017 **Work Order #...:** H2G981AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.10 B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.030 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.32**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.0063 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3011-R2-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-017 **Work Order #...:** H2G981AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.015 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0028 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.011**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(50 - 134)
1,2-Dichloroethane-d4	98	(50 - 134)
Toluene-d8	92	(57 - 127)
Bromofluorobenzene	88	(50 - 125)

NOTE(S):

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

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3011-R2-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-017 **Work Order #:** H2G981AA **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: G-3012-R2-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-018 **Work Order #...:** H2G991AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.35**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.028**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.039**	**0.010**	**ug**	**0.0016**
Bromoform	**0.17**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.014**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0049 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**2.0**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.11**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.027**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3012-R2-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-018 **Work Order #...:** H2G991AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	**0.0023 J**	**0.010**	**ug**	**0.0023**
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	**0.010 J**	**0.025**	**ug**	**0.010**
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.14**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.021**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0061 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0068 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.0068 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	68	(50 - 134)
1,2-Dichloroethane-d4	68	(50 - 134)
Toluene-d8	66	(57 - 127)
Bromofluorobenzene	54	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3012-R2-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-018 **Work Order #:** H2G991AA **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: G-3013-R2-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-019 **Work Order #...:** H2HAA1AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.094 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	**0.024 J**	**0.025**	**ug**	**0.0066**
Bromomethane	**0.024 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0031 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.012**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.021 J**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.018 J**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.010 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3013-R2-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-019 **Work Order #...:** H2HAA1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0074 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(50 - 134)
1,2-Dichloroethane-d4	102	(50 - 134)
Toluene-d8	94	(57 - 127)
Bromofluorobenzene	88	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3013-R2-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-019 **Work Order #:** H2HAA1AA **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: G-3014-R2-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #...: H6D030169-020 **Work Order #...:** H2HAD1AA **Matrix.....:** WATER
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/05/06
Prep Batch #...: 6095253
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.7 J**	**10**	**ug/L**	**1.4**
Acrylonitrile	ND	20	ug/L	2.7
Benzene	ND	1.0	ug/L	0.10
Bromobenzene	ND	1.0	ug/L	0.11
Bromochloromethane	ND	1.0	ug/L	0.24
Bromodichloromethane	ND	1.0	ug/L	0.10
Bromoform	ND	1.0	ug/L	0.14
Bromomethane	ND	2.0	ug/L	0.38
2-Butanone	ND	5.0	ug/L	0.75
n-Butylbenzene	ND	1.0	ug/L	0.10
sec-Butylbenzene	ND	1.0	ug/L	0.10
tert-Butylbenzene	ND	1.0	ug/L	0.24
Carbon disulfide	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.12
Chlorobenzene	ND	1.0	ug/L	0.10
Chlorodibromomethane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.10
Chloromethane	ND	2.0	ug/L	0.12
2-Chlorotoluene	ND	1.0	ug/L	0.24
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.45
1,2-Dibromoethane	ND	1.0	ug/L	0.24
Dibromomethane	ND	1.0	ug/L	0.21
1,2-Dichlorobenzene	ND	1.0	ug/L	0.10
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
Dichlorodifluoromethane	ND	2.0	ug/L	0.15
1,1-Dichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	**0.12 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.12
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.10
1,3-Dichloropropane	ND	1.0	ug/L	0.17
2,2-Dichloropropane	ND	1.0	ug/L	0.11
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.10
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.11

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STL Knoxville - ACS

Client Sample ID: G-3014-R2-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #...: H6D030169-020 **Work Order #...:** H2HAD1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.10
Ethylbenzene	ND	1.0	ug/L	0.10
Hexachlorobutadiene	ND	2.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	0.76
Iodomethane	ND	2.0	ug/L	0.12
Isopropylbenzene	ND	1.0	ug/L	0.10
p-Isopropyltoluene	ND	1.0	ug/L	0.10
Methylene chloride	**1.1 J**	**2.0**	**ug/L**	**0.23**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.40
Naphthalene	ND	1.0	ug/L	0.17
n-Propylbenzene	ND	1.0	ug/L	0.10
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.12
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.10
Tetrahydrofuran	ND	4.0	ug/L	1.2
Toluene	**0.15 J**	**1.0**	**ug/L**	**0.10**
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.23
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,1,2-Trichloroethane	ND	1.0	ug/L	0.25
Trichloroethene	ND	1.0	ug/L	0.10
Trichlorofluoromethane	ND	2.0	ug/L	0.12
1,2,3-Trichloropropane	ND	1.0	ug/L	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.13
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.11
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.10
Vinyl acetate	ND	2.0	ug/L	0.24
Vinyl chloride	ND	1.0	ug/L	0.24
m-Xylene & p-Xylene	ND	1.0	ug/L	0.20
o-Xylene	ND	1.0	ug/L	0.14
Xylenes (total)	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(79 - 120)
1,2-Dichloroethane-d4	111	(71 - 127)
Toluene-d8	103	(80 - 120)
Bromofluorobenzene	90	(69 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3014-R2-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #: H6D030169-020 **Work Order #:** H2HAD1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

STL Knoxville - ACS

Client Sample ID: G-3014-R2-VOST CONDENSATE DUP

GC/MS Volatiles

Lot-Sample #...: H6D030169-020 **Work Order #...:** H2HAD1AC **Matrix.....:** WATER
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/05/06
Prep Batch #...: 6095253
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.8 J**	**10**	**ug/L**	**1.4**
Acrylonitrile	ND	20	ug/L	2.7
Benzene	ND	1.0	ug/L	0.10
Bromobenzene	ND	1.0	ug/L	0.11
Bromochloromethane	ND	1.0	ug/L	0.24
Bromodichloromethane	ND	1.0	ug/L	0.10
Bromoform	ND	1.0	ug/L	0.14
Bromomethane	ND	2.0	ug/L	0.38
2-Butanone	ND	5.0	ug/L	0.75
n-Butylbenzene	ND	1.0	ug/L	0.10
sec-Butylbenzene	ND	1.0	ug/L	0.10
tert-Butylbenzene	ND	1.0	ug/L	0.24
Carbon disulfide	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.12
Chlorobenzene	ND	1.0	ug/L	0.10
Chlorodibromomethane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.10
Chloromethane	ND	2.0	ug/L	0.12
2-Chlorotoluene	ND	1.0	ug/L	0.24
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.45
1,2-Dibromoethane	ND	1.0	ug/L	0.24
Dibromomethane	ND	1.0	ug/L	0.21
1,2-Dichlorobenzene	ND	1.0	ug/L	0.10
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
Dichlorodifluoromethane	ND	2.0	ug/L	0.15
1,1-Dichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.12
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.10
1,3-Dichloropropane	ND	1.0	ug/L	0.17
2,2-Dichloropropane	ND	1.0	ug/L	0.11
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.10
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.11

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STL Knoxville - ACS

Client Sample ID: G-3014-R2-VOST CONDENSATE DUP

GC/MS Volatiles

Lot-Sample #...: H6D030169-020 **Work Order #...:** H2HAD1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.10
Ethylbenzene	ND	1.0	ug/L	0.10
Hexachlorobutadiene	ND	2.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	0.76
Iodomethane	**0.55 J,B**	**2.0**	**ug/L**	**0.12**
Isopropylbenzene	ND	1.0	ug/L	0.10
p-Isopropyltoluene	ND	1.0	ug/L	0.10
Methylene chloride	ND	2.0	ug/L	0.23
4-Methyl-2-pentanone	ND	5.0	ug/L	0.40
Naphthalene	ND	1.0	ug/L	0.17
n-Propylbenzene	ND	1.0	ug/L	0.10
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.12
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.10
Tetrahydrofuran	ND	4.0	ug/L	1.2
Toluene	ND	1.0	ug/L	0.10
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.23
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,1,2-Trichloroethane	ND	1.0	ug/L	0.25
Trichloroethene	ND	1.0	ug/L	0.10
Trichlorofluoromethane	ND	2.0	ug/L	0.12
1,2,3-Trichloropropane	ND	1.0	ug/L	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.13
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.11
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.10
Vinyl acetate	ND	2.0	ug/L	0.24
Vinyl chloride	ND	1.0	ug/L	0.24
m-Xylene & p-Xylene	ND	1.0	ug/L	0.20
o-Xylene	ND	1.0	ug/L	0.14
Xylenes (total)	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(79 - 120)
1,2-Dichloroethane-d4	115	(71 - 127)
Toluene-d8	101	(80 - 120)
Bromofluorobenzene	93	(69 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

Client Sample ID: G-3015-R2-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-021 **Work Order #...:** H2HA71AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.089 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.024 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0026 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3015-R2-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-021 **Work Order #...:** H2HA71AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(50 - 134)
1,2-Dichloroethane-d4	92	(50 - 134)
Toluene-d8	92	(57 - 127)
Bromofluorobenzene	83	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3015-R2-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #: H6D030169-021 **Work Order #:** H2HA71AA **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: G-3016-R2-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-022 **Work Order #...:** H2HCA1AA **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.096 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.030 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.18**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3016-R2-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-022 **Work Order #...:** H2HCA1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.016 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(50 - 134)
1,2-Dichloroethane-d4	100	(50 - 134)
Toluene-d8	93	(57 - 127)
Bromofluorobenzene	87	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3016-R2-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #: H6D030169-022 **Work Order #:** H2HCA1AA **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: G-3089-R3-VOST PAIR #1 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-023 **Work Order #...:** H2HCD1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.16**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.010**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.038**	**0.010**	**ug**	**0.0016**
Bromoform	**0.12**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.011**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0038 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**2.3 E**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.10**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.027**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3089-R3-VOST PAIR #1 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-023 **Work Order #...:** H2HCD1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	**0.0018 J**	**0.010**	**ug**	**0.0013**
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.16**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.23**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.068**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0069 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0091 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.010 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	73	(50 - 134)
1,2-Dichloroethane-d4	73	(50 - 134)
Toluene-d8	69	(57 - 127)
Bromofluorobenzene	49 *	(50 - 125)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

STL Knoxville - ACS

G-3089-R3-VOST PAIR #1 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-023 **Work Order #:** H2HCD1AA **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: G-3089-R3-VOST PAIR #1 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-023 **Work Order #...:** H2HCD2AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	**2.1**	**0.010**	**ug**	**0.0013**

STL Knoxville - ACS

Client Sample ID: G-3090-R3-VOST PAIR #1 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-024 **Work Order #...:** H2HCF1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	0.10	ug	0.085
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0035 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0014 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.049**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.25**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.0077 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3090-R3-VOST PAIR #1 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-024 **Work Order #...:** H2HCF1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.023 J**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.0032 J**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0040 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.012**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	68	(50 - 134)
1,2-Dichloroethane-d4	71	(50 - 134)
Toluene-d8	70	(57 - 127)
Bromofluorobenzene	72	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3090-R3-VOST PAIR #1 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-024 **Work Order #:** H2HCF1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Nonane	111-84-2	0.026 NJ M	7.8805	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-3091-R3-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-025 **Work Order #...:** H2HCG1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.46**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0083 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.041**	**0.010**	**ug**	**0.0016**
Bromoform	**0.16**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.013**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0039 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**3.4 E**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.12**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.028**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3091-R3-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-025 **Work Order #...:** H2HCG1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.36**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	**0.033**	**0.025**	**ug**	**0.010**
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**2.4 E**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.37**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0057 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0065 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.0065 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	76	(50 - 134)
1,2-Dichloroethane-d4	76	(50 - 134)
Toluene-d8	73	(57 - 127)
Bromofluorobenzene	59	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

STL Knoxville - ACS

G-3091-R3-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-025 **Work Order #:** H2HCG1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Benzaldehyde	100-52-7	0.074 NJ M	10.085	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-3091-R3-VOST PAIR #2 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-025 Work Order #...: H2HCG2AA Matrix.....: AIR
Date Sampled...: 03/30/06 Date Received..: 04/02/06
Prep Date.....: 04/07/06 Analysis Date..: 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 Method.....: SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	3.1	0.010	ug	0.0013
Tetrachloroethene	2.2	0.010	ug	0.0021

STL Knoxville - ACS

Client Sample ID: G-3092-R3-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-026 **Work Order #...:** H2HCL1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.10 B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.025 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0021 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.0090 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.083**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.0076 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3092-R3-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-026 **Work Order #...:** H2HCL1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.12**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0043 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.016**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(50 - 134)
1,2-Dichloroethane-d4	102	(50 - 134)
Toluene-d8	91	(57 - 127)
Bromofluorobenzene	86	(50 - 125)

NOTE(S):

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

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3092-R3-VOST PAIR #2 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-026 **Work Order #:** H2HCL1AA **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: G-3093-R3-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-027 **Work Order #...:** H2HCM1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.54**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0054 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.036**	**0.010**	**ug**	**0.0016**
Bromoform	**0.15**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0096 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0031 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**3.1 E**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.10**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.020**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3093-R3-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-027 **Work Order #...:** H2HCM1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.090**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	**0.16**	**0.025**	**ug**	**0.010**
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**1.1**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.12**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0061 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.0061 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	75	(50 - 134)
1,2-Dichloroethane-d4	77	(50 - 134)
Toluene-d8	77	(57 - 127)
Bromofluorobenzene	63	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

STL Knoxville - ACS

G-3093-R3-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-027 **Work Order #:** H2HCM1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Benzaldehyde	100-52-7	0.063 NJ M	10.089	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-3093-R3-VOST PAIR #3 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-027
Date Sampled...: 03/30/06
Prep Date.....: 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1

Work Order #...: H2HCM2AA
Date Received..: 04/02/06
Analysis Date..: 04/07/06

Method.....: SW846 VOST

Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	2.8	0.010	ug	0.0013

STL Knoxville - ACS

Client Sample ID: G-3094-R3-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-028 **Work Order #...:** H2HCN1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.10 B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.026 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0032 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.0048 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.0044 J**	**0.010**	**ug**	**0.0019**
Chloromethane	**0.021 J**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.0064 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3094-R3-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-028 **Work Order #...:** H2HCN1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.071**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.0097 J**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0033 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0072 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(50 - 134)
1,2-Dichloroethane-d4	102	(50 - 134)
Toluene-d8	93	(57 - 127)
Bromofluorobenzene	84	(50 - 125)

NOTE(S):

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

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3094-R3-VOST PAIR #3 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-028 **Work Order #:** H2HCN1AA **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: G-3095-R3-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-029 **Work Order #...:** H2HCP1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.37**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0069 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	**0.040**	**0.010**	**ug**	**0.0016**
Bromoform	**0.13**	**0.025**	**ug**	**0.0066**
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.016**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.0037 J**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**1.4**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.10**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.025**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3095-R3-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-029 **Work Order #...:** H2HCP1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.26**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	**0.069**	**0.025**	**ug**	**0.010**
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.36**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.19**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	**0.0049 J**	**0.020**	**ug**	**0.0034**
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	**0.0049 J**	**0.030**	**ug**	**0.0048**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	72	(50 - 134)
1,2-Dichloroethane-d4	71	(50 - 134)
Toluene-d8	64	(57 - 127)
Bromofluorobenzene	49 *	(50 - 125)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3095-R3-VOST PAIR #4 TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-029 **Work Order #:** H2HCP1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
Benzaldehyde	100-52-7	0.041 NJ M	10.088	ug

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: G-3096-R3-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-030 **Work Order #...:** H2HCQ1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.088 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.027 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.0027 J**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	**0.0077 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	**0.021 J**	**0.025**	**ug**	**0.010**
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.051**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	**0.0099 J**	**0.025**	**ug**	**0.0050**
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3096-R3-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-030 **Work Order #...:** H2HCQ1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.035**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.0024 J**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0025 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	**0.0067 J**	**0.010**	**ug**	**0.0050**
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(50 - 134)
1,2-Dichloroethane-d4	107	(50 - 134)
Toluene-d8	92	(57 - 127)
Bromofluorobenzene	92	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3096-R3-VOST PAIR #4 TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-030 **Work Order #:** H2HCQ1AA **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: G-3097-R3-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #...: H6D030169-031 **Work Order #...:** H2HCR1AA **Matrix.....:** WATER
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/05/06
Prep Batch #...: 6095253
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**5.9 J**	**10**	**ug/L**	**1.4**
Acrylonitrile	ND	20	ug/L	2.7
Benzene	ND	1.0	ug/L	0.10
Bromobenzene	ND	1.0	ug/L	0.11
Bromochloromethane	ND	1.0	ug/L	0.24
Bromodichloromethane	ND	1.0	ug/L	0.10
Bromoform	ND	1.0	ug/L	0.14
Bromomethane	ND	2.0	ug/L	0.38
2-Butanone	ND	5.0	ug/L	0.75
n-Butylbenzene	ND	1.0	ug/L	0.10
sec-Butylbenzene	ND	1.0	ug/L	0.10
tert-Butylbenzene	ND	1.0	ug/L	0.24
Carbon disulfide	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.12
Chlorobenzene	ND	1.0	ug/L	0.10
Chlorodibromomethane	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.10
Chloromethane	ND	2.0	ug/L	0.12
2-Chlorotoluene	ND	1.0	ug/L	0.24
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.45
1,2-Dibromoethane	ND	1.0	ug/L	0.24
Dibromomethane	ND	1.0	ug/L	0.21
1,2-Dichlorobenzene	ND	1.0	ug/L	0.10
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
Dichlorodifluoromethane	ND	2.0	ug/L	0.15
1,1-Dichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	**0.11 J**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.12
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.10
1,3-Dichloropropane	ND	1.0	ug/L	0.17
2,2-Dichloropropane	ND	1.0	ug/L	0.11
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.10
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.11

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STL Knoxville - ACS

Client Sample ID: G-3097-R3-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #...: H6D030169-031 **Work Order #...:** H2HCR1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.10
Ethylbenzene	ND	1.0	ug/L	0.10
Hexachlorobutadiene	ND	2.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	0.76
Iodomethane	**0.56 J,B**	**2.0**	**ug/L**	**0.12**
Isopropylbenzene	ND	1.0	ug/L	0.10
p-Isopropyltoluene	ND	1.0	ug/L	0.10
Methylene chloride	**1.2 J**	**2.0**	**ug/L**	**0.23**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.40
Naphthalene	ND	1.0	ug/L	0.17
n-Propylbenzene	ND	1.0	ug/L	0.10
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.12
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.10
Tetrahydrofuran	ND	4.0	ug/L	1.2
Toluene	**0.12 J**	**1.0**	**ug/L**	**0.10**
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.23
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,1,2-Trichloroethane	ND	1.0	ug/L	0.25
Trichloroethene	ND	1.0	ug/L	0.10
Trichlorofluoromethane	ND	2.0	ug/L	0.12
1,2,3-Trichloropropane	ND	1.0	ug/L	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.13
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.11
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.10
Vinyl acetate	ND	2.0	ug/L	0.24
Vinyl chloride	ND	1.0	ug/L	0.24
m-Xylene & p-Xylene	ND	1.0	ug/L	0.20
o-Xylene	ND	1.0	ug/L	0.14
Xylenes (total)	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(79 - 120)
1,2-Dichloroethane-d4	111	(71 - 127)
Toluene-d8	101	(80 - 120)
Bromofluorobenzene	94	(69 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3097-R3-VOST CONDENSATE

GC/MS Volatiles

Lot-Sample #: H6D030169-031 **Work Order #:** H2HCR1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

STL Knoxville - ACS

Client Sample ID: G-3097-R3-VOST CONDENSATE DUP

GC/MS Volatiles

Lot-Sample #...: H6D030169-031 **Work Order #...:** H2HCR1AC **Matrix.....:** WATER
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/05/06
Prep Batch #...: 6095253
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.3 J**	**10**	**ug/L**	**1.4**
Acrylonitrile	ND	20	ug/L	2.7
Benzene	ND	1.0	ug/L	0.10
Bromobenzene	ND	1.0	ug/L	0.11
Bromochloromethane	ND	1.0	ug/L	0.24
Bromodichloromethane	**2.3**	**1.0**	**ug/L**	**0.10**
Bromoform	**0.84 J**	**1.0**	**ug/L**	**0.14**
Bromomethane	ND	2.0	ug/L	0.38
2-Butanone	ND	5.0	ug/L	0.75
n-Butylbenzene	ND	1.0	ug/L	0.10
sec-Butylbenzene	ND	1.0	ug/L	0.10
tert-Butylbenzene	ND	1.0	ug/L	0.24
Carbon disulfide	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.12
Chlorobenzene	**0.22 J**	**1.0**	**ug/L**	**0.10**
Chlorodibromomethane	**1.1**	**1.0**	**ug/L**	**0.20**
Chloroethane	ND	2.0	ug/L	0.24
Chloroform	**6.3**	**1.0**	**ug/L**	**0.10**
Chloromethane	ND	2.0	ug/L	0.12
2-Chlorotoluene	ND	1.0	ug/L	0.24
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.45
1,2-Dibromoethane	ND	1.0	ug/L	0.24
Dibromomethane	ND	1.0	ug/L	0.21
1,2-Dichlorobenzene	ND	1.0	ug/L	0.10
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
Dichlorodifluoromethane	ND	2.0	ug/L	0.15
1,1-Dichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.12
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.10
1,3-Dichloropropane	ND	1.0	ug/L	0.17
2,2-Dichloropropane	ND	1.0	ug/L	0.11
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.10
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.11

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STL Knoxville - ACS

Client Sample ID: G-3097-R3-VOST CONDENSATE DUP

GC/MS Volatiles

Lot-Sample #...: H6D030169-031 **Work Order #...:** H2HCR1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.10
Ethylbenzene	ND	1.0	ug/L	0.10
Hexachlorobutadiene	ND	2.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	0.76
Iodomethane	ND	2.0	ug/L	0.12
Isopropylbenzene	ND	1.0	ug/L	0.10
p-Isopropyltoluene	ND	1.0	ug/L	0.10
Methylene chloride	**1.1 J**	**2.0**	**ug/L**	**0.23**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.40
Naphthalene	ND	1.0	ug/L	0.17
n-Propylbenzene	ND	1.0	ug/L	0.10
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.12
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.10
Tetrahydrofuran	ND	4.0	ug/L	1.2
Toluene	ND	1.0	ug/L	0.10
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.23
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,1,2-Trichloroethane	ND	1.0	ug/L	0.25
Trichloroethene	**0.76 J**	**1.0**	**ug/L**	**0.10**
Trichlorofluoromethane	ND	2.0	ug/L	0.12
1,2,3-Trichloropropane	ND	1.0	ug/L	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.13
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.11
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.10
Vinyl acetate	ND	2.0	ug/L	0.24
Vinyl chloride	ND	1.0	ug/L	0.24
m-Xylene & p-Xylene	ND	1.0	ug/L	0.20
o-Xylene	ND	1.0	ug/L	0.14
Xylenes (total)	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(79 - 120)
1,2-Dichloroethane-d4	110	(71 - 127)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	94	(69 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-3098-R3-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-032 **Work Order #...:** H2HCV1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.094 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.025 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3098-R3-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-032 **Work Order #...:** H2HCV1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(50 - 134)
1,2-Dichloroethane-d4	95	(50 - 134)
Toluene-d8	91	(57 - 127)
Bromofluorobenzene	83	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3098-R3-VOST TENAX FB

GC/MS Volatiles

Lot-Sample #: H6D030169-032 **Work Order #:** H2HCV1AA **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: G-3099-R3-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-033 **Work Order #...:** H2HCW1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.094 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.027 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.016 J**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3099-R3-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #...: H6D030169-033 **Work Order #...:** H2HCW1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(50 - 134)
1,2-Dichloroethane-d4	97	(50 - 134)
Toluene-d8	92	(57 - 127)
Bromofluorobenzene	81	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3099-R3-VOST TENAX/CHARCOAL FB

GC/MS Volatiles

Lot-Sample #: H6D030169-033 **Work Order #:** H2HCW1AA **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: G-3100-R3-VOST TENAX TB

GC/MS Volatiles

Lot-Sample #...: H6D030169-034 **Work Order #...:** H2HCX1AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.092 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.023 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3100-R3-VOST TENAX TB

GC/MS Volatiles

Lot-Sample #...: H6D030169-034 **Work Order #...:** H2HCX1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.013 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(50 - 134)
1,2-Dichloroethane-d4	99	(50 - 134)
Toluene-d8	96	(57 - 127)
Bromofluorobenzene	82	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3100-R3-VOST TENAX TB

GC/MS Volatiles

Lot-Sample #: H6D030169-034 **Work Order #:** H2HCX1AA **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: G-3101-R3-VOST TENAX/CHARCOAL TB

GC/MS Volatiles

Lot-Sample #...: H6D030169-035 **Work Order #...:** H2HC01AA **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.093 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.026 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.029**	**0.025**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: G-3101-R3-VOST TENAX/CHARCOAL TB

GC/MS Volatiles

Lot-Sample #...: H6D030169-035 **Work Order #...:** H2HC01AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.015 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(50 - 134)
1,2-Dichloroethane-d4	97	(50 - 134)
Toluene-d8	94	(57 - 127)
Bromofluorobenzene	78	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

G-3101-R3-VOST TENAX/CHARCOAL TB

GC/MS Volatiles

Lot-Sample #: H6D030169-035 **Work Order #:** H2HC01AA **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: G-3102-R3-VOST DI WATER TB

GC/MS Volatiles

Lot-Sample #...: H6D030169-036 **Work Order #...:** H2HC11AA **Matrix.....:** WATER
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/05/06 **Analysis Date..:** 04/05/06
Prep Batch #...: 6095253
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.1 J**	**10**	**ug/L**	**1.4**
Acrylonitrile	ND	20	ug/L	2.7
Benzene	ND	1.0	ug/L	0.10
Bromobenzene	ND	1.0	ug/L	0.11
Bromochloromethane	ND	1.0	ug/L	0.24
Bromodichloromethane	**2.7**	**1.0**	**ug/L**	**0.10**
Bromoform	**0.86 J**	**1.0**	**ug/L**	**0.14**
Bromomethane	ND	2.0	ug/L	0.38
2-Butanone	ND	5.0	ug/L	0.75
n-Butylbenzene	ND	1.0	ug/L	0.10
sec-Butylbenzene	ND	1.0	ug/L	0.10
tert-Butylbenzene	ND	1.0	ug/L	0.24
Carbon disulfide	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.12
Chlorobenzene	ND	1.0	ug/L	0.10
Chlorodibromomethane	**1.1**	**1.0**	**ug/L**	**0.20**
Chloroethane	ND	2.0	ug/L	0.24
Chloroform	**8.0**	**1.0**	**ug/L**	**0.10**
Chloromethane	ND	2.0	ug/L	0.12
2-Chlorotoluene	ND	1.0	ug/L	0.24
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.45
1,2-Dibromoethane	ND	1.0	ug/L	0.24
Dibromomethane	ND	1.0	ug/L	0.21
1,2-Dichlorobenzene	ND	1.0	ug/L	0.10
1,3-Dichlorobenzene	ND	1.0	ug/L	0.10
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
Dichlorodifluoromethane	ND	2.0	ug/L	0.15
1,1-Dichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.12
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.10
1,2-Dichloropropane	ND	1.0	ug/L	0.10
1,3-Dichloropropane	ND	1.0	ug/L	0.17
2,2-Dichloropropane	ND	1.0	ug/L	0.11
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.10
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.11

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STL Knoxville - ACS

Client Sample ID: G-3102-R3-VOST DI WATER TB

GC/MS Volatiles

Lot-Sample #...: H6D030169-036 **Work Order #...:** H2HC11AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.10
Ethylbenzene	ND	1.0	ug/L	0.10
Hexachlorobutadiene	ND	2.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	0.76
Iodomethane	ND	2.0	ug/L	0.12
Isopropylbenzene	ND	1.0	ug/L	0.10
p-Isopropyltoluene	ND	1.0	ug/L	0.10
Methylene chloride	**1.2 J**	**2.0**	**ug/L**	**0.23**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.40
Naphthalene	ND	1.0	ug/L	0.17
n-Propylbenzene	ND	1.0	ug/L	0.10
Styrene	ND	1.0	ug/L	0.10
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.12
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.10
Tetrahydrofuran	ND	4.0	ug/L	1.2
Toluene	ND	1.0	ug/L	0.10
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.23
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,1,2-Trichloroethane	ND	1.0	ug/L	0.25
Trichloroethene	**0.91 J**	**1.0**	**ug/L**	**0.10**
Trichlorofluoromethane	ND	2.0	ug/L	0.12
1,2,3-Trichloropropane	ND	1.0	ug/L	0.36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.13
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.11
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.10
Vinyl acetate	ND	2.0	ug/L	0.24
Vinyl chloride	ND	1.0	ug/L	0.24
m-Xylene & p-Xylene	ND	1.0	ug/L	0.20
o-Xylene	ND	1.0	ug/L	0.14
Xylenes (total)	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(79 - 120)
1,2-Dichloroethane-d4	113	(71 - 127)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	95	(69 - 126)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

G-3102-R3-VOST DI WATER TB

GC/MS Volatiles

Lot-Sample #: H6D030169-036 **Work Order #:** H2HC11AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

STL Knoxville - ACS

Client Sample ID: A-5363 MEDIA CHECK TENAX

GC/MS Volatiles

Lot-Sample #...: H6D030169-037 **Work Order #...:** H2HC21AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(50 - 134)
1,2-Dichloroethane-d4	96	(50 - 134)
Toluene-d8	95	(57 - 127)
Bromofluorobenzene	83	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

A-5363 MEDIA CHECK TENAX

GC/MS Volatiles

Lot-Sample #: H6D030169-037 **Work Order #:** H2HC21AA **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-5364 MEDIA CHECK TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-038 **Work Order #...:** H2HC41AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.094 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	ND	0.010	ug	0.0032
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.029 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	**0.011**	**0.010**	**ug**	**0.0032**
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: A-5364 MEDIA CHECK TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #...: H6D030169-038 **Work Order #...:** H2HC41AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(50 - 134)
1,2-Dichloroethane-d4	99	(50 - 134)
Toluene-d8	91	(57 - 127)
Bromofluorobenzene	83	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

A-5364 MEDIA CHECK TENAX/CHARCOAL

GC/MS Volatiles

Lot-Sample #: H6D030169-038 **Work Order #:** H2HC41AA **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: AUDIT VOST #1

GC/MS Volatiles

Lot-Sample #...: H6D030169-039 **Work Order #...:** H2KHL1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.31**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.054**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	**0.082 J**	**0.10**	**ug**	**0.035**
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.015**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.041**	**0.010**	**ug**	**0.0011**
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.065**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: AUDIT VOST #1

GC/MS Volatiles

Lot-Sample #...: H6D030169-039 **Work Order #...:** H2KHL1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.075**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.14**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0032 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	85	(50 - 134)
1,2-Dichloroethane-d4	88	(50 - 134)
Toluene-d8	85	(57 - 127)
Bromofluorobenzene	77	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

AUDIT VOST #1

GC/MS Volatiles

Lot-Sample #: H6D030169-039 **Work Order #:** H2KHL1AA **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: AUDIT VOST #2

GC/MS Volatiles

Lot-Sample #...: H6D030169-040 **Work Order #...:** H2KHR1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.39**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.058**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	**0.091 J**	**0.10**	**ug**	**0.035**
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.016**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.046**	**0.010**	**ug**	**0.0011**
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.074**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: AUDIT VOST #2

GC/MS Volatiles

Lot-Sample #...: H6D030169-040 **Work Order #...:** H2KHR1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.077**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.16**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0035 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	85	(50 - 134)
1,2-Dichloroethane-d4	87	(50 - 134)
Toluene-d8	88	(57 - 127)
Bromofluorobenzene	78	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

AUDIT VOST #2

GC/MS Volatiles

Lot-Sample #: H6D030169-040 **Work Order #:** H2KHR1AA **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: AUDIT VOST #3

GC/MS Volatiles

Lot-Sample #...: H6D030169-041 **Work Order #...:** H2KHV1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.39**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.057**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	**0.084 J**	**0.10**	**ug**	**0.035**
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.016**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.045**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**0.0013 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.069**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: AUDIT VOST #3

GC/MS Volatiles

Lot-Sample #...: H6D030169-041 **Work Order #...:** H2KHV1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.072**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.16**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0033 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	77	(50 - 134)
1,2-Dichloroethane-d4	77	(50 - 134)
Toluene-d8	82	(57 - 127)
Bromofluorobenzene	72	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

AUDIT VOST #3

GC/MS Volatiles

Lot-Sample #: H6D030169-041 **Work Order #:** H2KHV1AA **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: AUDIT VOST #4

GC/MS Volatiles

Lot-Sample #...: H6D030169-042 **Work Order #...:** H2KHW1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.26**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.058**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	**0.068 J**	**0.10**	**ug**	**0.035**
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.016**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.046**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**0.0016 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.072**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: AUDIT VOST #4

GC/MS Volatiles

Lot-Sample #...: H6D030169-042 **Work Order #...:** H2KHW1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.075**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.16**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0033 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	80	(50 - 134)
1,2-Dichloroethane-d4	82	(50 - 134)
Toluene-d8	87	(57 - 127)
Bromofluorobenzene	76	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

AUDIT VOST #4

GC/MS Volatiles

Lot-Sample #: H6D030169-042 **Work Order #:** H2KHW1AA **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: AUDIT VOST #5

GC/MS Volatiles

Lot-Sample #...: H6D030169-043 **Work Order #...:** H2KHX1AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.18**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.063**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	**0.046 J**	**0.10**	**ug**	**0.035**
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.015**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.047**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**0.0029 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.076**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: AUDIT VOST #5

GC/MS Volatiles

Lot-Sample #...: H6D030169-043 **Work Order #...:** H2KHX1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.076**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.14**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	**0.034 J**	**0.10**	**ug**	**0.031**
Toluene	**0.0030 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	87	(50 - 134)
1,2-Dichloroethane-d4	87	(50 - 134)
Toluene-d8	76	(57 - 127)
Bromofluorobenzene	58	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

AUDIT VOST #5

GC/MS Volatiles

Lot-Sample #: H6D030169-043 **Work Order #:** H2KHX1AA **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: AUDIT VOST #6

GC/MS Volatiles

Lot-Sample #...: H6D030169-044 **Work Order #...:** H2KH11AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/07/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097054
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	0.10	ug	0.085
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.059**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	ND	0.050	ug	0.022
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	**0.016**	**0.010**	**ug**	**0.0011**
Carbon tetrachloride	**0.049**	**0.010**	**ug**	**0.0011**
Chlorobenzene	**0.0044 J**	**0.010**	**ug**	**0.0013**
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	**0.074**	**0.010**	**ug**	**0.0019**
Chloromethane	ND	0.025	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: AUDIT VOST #6

GC/MS Volatiles

Lot-Sample #...: H6D030169-044 **Work Order #...:** H2KH11AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	ND	0.050	ug	0.0016
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	**0.075**	**0.025**	**ug**	**0.013**
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	**0.16**	**0.010**	**ug**	**0.0021**
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	**0.0034 J**	**0.010**	**ug**	**0.0022**
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	85	(50 - 134)
1,2-Dichloroethane-d4	85	(50 - 134)
Toluene-d8	87	(57 - 127)
Bromofluorobenzene	64	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

AUDIT VOST #6

GC/MS Volatiles

Lot-Sample #: H6D030169-044 **Work Order #:** H2KH11AA **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-5388 MEDIA CHECK

GC/MS Volatiles

Lot-Sample #...: H6D030169-045 **Work Order #...:** H2KH41AA **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06
Prep Date.....: 04/06/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6096033
Dilution Factor: 1 **Method.....:** SW846 VOST

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.098 J,B**	**0.10**	**ug**	**0.085**
Acrylonitrile	ND	0.50	ug	0.076
Benzene	**0.0078 J**	**0.010**	**ug**	**0.0032**
Bromobenzene	ND	0.010	ug	0.0036
Bromochloromethane	ND	0.025	ug	0.012
Bromodichloromethane	ND	0.010	ug	0.0016
Bromoform	ND	0.025	ug	0.0066
Bromomethane	**0.026 J,B**	**0.050**	**ug**	**0.022**
2-Butanone	ND	0.10	ug	0.035
n-Butylbenzene	ND	0.010	ug	0.0047
sec-Butylbenzene	ND	0.010	ug	0.0036
tert-Butylbenzene	ND	0.010	ug	0.0030
Carbon disulfide	ND	0.010	ug	0.0011
Carbon tetrachloride	ND	0.010	ug	0.0011
Chlorobenzene	ND	0.010	ug	0.0013
Chlorodibromomethane	ND	0.025	ug	0.010
Chloroethane	ND	0.050	ug	0.010
Chloroform	ND	0.010	ug	0.0019
Chloromethane	ND	0.010	ug	0.0032
2-Chlorotoluene	ND	0.010	ug	0.0023
4-Chlorotoluene	ND	0.010	ug	0.0020
1,2-Dibromo-3-chloro-propane	ND	0.050	ug	0.020
1,2-Dibromoethane	ND	0.025	ug	0.010
Dibromomethane	ND	0.025	ug	0.010
1,2-Dichlorobenzene	ND	0.010	ug	0.0030
1,3-Dichlorobenzene	ND	0.010	ug	0.0031
1,4-Dichlorobenzene	ND	0.010	ug	0.0043
Dichlorodifluoromethane	ND	0.025	ug	0.0050
1,1-Dichloroethane	ND	0.010	ug	0.0019
1,2-Dichloroethane	ND	0.010	ug	0.0022
cis-1,2-Dichloroethene	ND	0.010	ug	0.0025
trans-1,2-Dichloroethene	ND	0.010	ug	0.0017
1,1-Dichloroethene	ND	0.010	ug	0.0023
1,2-Dichloropropane	ND	0.010	ug	0.0027
1,3-Dichloropropane	ND	0.010	ug	0.0018
2,2-Dichloropropane	ND	0.010	ug	0.0015
cis-1,3-Dichloropropene	ND	0.010	ug	0.0030
trans-1,3-Dichloropropene	ND	0.010	ug	0.0020

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STL Knoxville - ACS

Client Sample ID: A-5388 MEDIA CHECK

GC/MS Volatiles

Lot-Sample #...: H6D030169-045 **Work Order #...:** H2KH41AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	0.010	ug	0.0010
Ethylbenzene	ND	0.010	ug	0.0013
Hexachlorobutadiene	ND	0.025	ug	0.0048
2-Hexanone	ND	0.10	ug	0.0099
Iodomethane	**0.014 J,B**	**0.050**	**ug**	**0.0016**
Isopropylbenzene	ND	0.010	ug	0.0023
p-Isopropyltoluene	ND	0.010	ug	0.0038
Methylene chloride	ND	0.025	ug	0.013
4-Methyl-2-pentanone	ND	0.10	ug	0.014
Naphthalene	ND	0.025	ug	0.010
n-Propylbenzene	ND	0.010	ug	0.0029
Styrene	ND	0.010	ug	0.0017
1,1,1,2-Tetrachloroethane	ND	0.010	ug	0.0010
1,1,2,2-Tetrachloroethane	ND	0.025	ug	0.011
Tetrachloroethene	ND	0.010	ug	0.0021
Tetrahydrofuran	ND	0.10	ug	0.031
Toluene	ND	0.010	ug	0.0022
1,2,3-Trichlorobenzene	ND	0.025	ug	0.014
1,2,4-Trichloro-benzene	ND	0.025	ug	0.0030
1,1,1-Trichloroethane	ND	0.025	ug	0.0016
1,1,2-Trichloroethane	ND	0.025	ug	0.0050
Trichloroethene	ND	0.010	ug	0.0050
Trichlorofluoromethane	ND	0.050	ug	0.0049
1,2,3-Trichloropropane	ND	0.025	ug	0.0081
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.050	ug	0.0018
1,2,4-Trimethylbenzene	ND	0.010	ug	0.0048
1,3,5-Trimethylbenzene	ND	0.010	ug	0.0028
Vinyl acetate	ND	0.050	ug	0.012
Vinyl chloride	ND	0.010	ug	0.0032
m-Xylene & p-Xylene	ND	0.020	ug	0.0034
o-Xylene	ND	0.010	ug	0.0017
Xylenes (total)	ND	0.030	ug	0.0048

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(50 - 134)
1,2-Dichloroethane-d4	102	(50 - 134)
Toluene-d8	102	(57 - 127)
Bromofluorobenzene	90	(50 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

A-5388 MEDIA CHECK

GC/MS Volatiles

Lot-Sample #: H6D030169-045 **Work Order #:** H2KH41AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug