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ANALYTICAL REPORT

PROJECT NO. 142541

Focus/US Filter Westates SVOC

Lot #: H6D030245

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May 8, 2006

ANALYTICAL METHODS SUMMARY

H6D030245

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

References:

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

SAMPLE SUMMARY

H6D030245

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

NOTE(S):

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

PROJECT NARRATIVE
H6D030245

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

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

Sample Receipt

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

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

Quality Control

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

Semivolatile Organic Sampling Train Preparation and Analysis

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

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

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

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

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

Sample results were calculated using the following equation:

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

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

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

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

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

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

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

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

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

Pesticides

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

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

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.

Sample Data Summary

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

STL Knoxville - ACS

A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-185

Prep Date.....: 04/06/06
Analysis Date..: 04/28/06 **Prep Batch #...:** 6096185
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug	SW846 8270C
Acenaphthylene	ND	10	ug	SW846 8270C
Acetophenone	ND	10	ug	SW846 8270C
Aniline	ND	20	ug	SW846 8270C
Anthracene	ND	10	ug	SW846 8270C
Benzaldehyde	ND	10	ug	SW846 8270C
Benzidine	ND	100	ug	SW846 8270C
Benzo(a)anthracene	ND	10	ug	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug	SW846 8270C
Benzoic acid	ND	100	ug	SW846 8270C
Benzonitrile	ND	10	ug	SW846 8270C
Benzo(ghi)perylene	ND	10	ug	SW846 8270C
Benzo(a)pyrene	ND	10	ug	SW846 8270C
Benzyl alcohol	ND	100	ug	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug	SW846 8270C
Butyl benzyl phthalate	ND	10	ug	SW846 8270C
Carbazole	ND	10	ug	SW846 8270C
4-Chloroaniline	ND	10	ug	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug	SW846 8270C
2-Chloronaphthalene	ND	10	ug	SW846 8270C
2-Chlorophenol	ND	10	ug	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug	SW846 8270C
Chrysene	ND	10	ug	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug	SW846 8270C
Dibenzofuran	ND	10	ug	SW846 8270C
Di-n-butyl phthalate	ND	10	ug	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug	SW846 8270C
2,4-Dichlorophenol	ND	10	ug	SW846 8270C
Diethyl phthalate	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	10	ug	SW846 8270C
Dimethyl phthalate	ND	10	ug	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug	SW846 8270C
2,4-Dinitrophenol	ND	50	ug	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug	SW846 8270C
Di-n-octyl phthalate	ND	10	ug	SW846 8270C
Diphenylamine	ND	10	ug	SW846 8270C
1,2-Diphenylhydrazine	ND	10	ug	SW846 8270C
Fluoranthene	ND	10	ug	SW846 8270C
Fluorene	ND	10	ug	SW846 8270C
Hexachlorobenzene	ND	10	ug	SW846 8270C
Hexachlorobutadiene	ND	10	ug	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug	SW846 8270C
Hexachloroethane	ND	10	ug	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug	SW846 8270C
Isophorone	ND	10	ug	SW846 8270C
2-Methylnaphthalene	ND	10	ug	SW846 8270C
2-Methylphenol	ND	10	ug	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug	SW846 8270C
Naphthalene	ND	10	ug	SW846 8270C
2-Nitroaniline	ND	50	ug	SW846 8270C
3-Nitroaniline	ND	50	ug	SW846 8270C
4-Nitroaniline	ND	50	ug	SW846 8270C
Nitrobenzene	ND	10	ug	SW846 8270C
2-Nitrophenol	ND	10	ug	SW846 8270C
4-Nitrophenol	ND	50	ug	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug	SW846 8270C
Pentachlorobenzene	ND	10	ug	SW846 8270C
Pentachloronitrobenzene	ND	10	ug	SW846 8270C
Pentachlorophenol	ND	50	ug	SW846 8270C
Phenanthrene	ND	10	ug	SW846 8270C
Phenol	ND	10	ug	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug	SW846 8270C
Pyrene	ND	10	ug	SW846 8270C
Pyridine	ND	20	ug	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(19 - 100)
Phenol-d5	54	(15 - 124)
Nitrobenzene-d5	52	(35 - 122)
2-Fluorobiphenyl	65	(34 - 115)
2,4,6-Tribromophenol	56	(33 - 130)
Terphenyl-d14	72	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL Knoxville - ACS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: H6D060000-185 B **Work Order #:** H2PJ21AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**76**	**(66 - 113)**			**SW846 8270C**
	83	**(66 - 113)**	**8.9**	**(0-35)**	**SW846 8270C**
Acenaphthylene	76	(64 - 110)			SW846 8270C
	84	(64 - 110)	9.8	(0-36)	SW846 8270C
Aniline	56	(34 - 148)			SW846 8270C
	60	(34 - 148)	7.3	(0-35)	SW846 8270C
Anthracene	80	(66 - 118)			SW846 8270C
	86	(66 - 118)	8.0	(0-39)	SW846 8270C
Benzo(a)anthracene	80	(61 - 124)			SW846 8270C
	89	(61 - 124)	11	(0-32)	SW846 8270C
Benzo(b)fluoranthene	72	(47 - 150)			SW846 8270C
	77	(47 - 150)	6.2	(0-43)	SW846 8270C
Benzo(k)fluoranthene	80	(39 - 139)			SW846 8270C
	90	(39 - 139)	12	(0-43)	SW846 8270C
Benzoic acid	53	(37 - 138)			SW846 8270C
	61	(37 - 138)	14	(0-31)	SW846 8270C
Benzo(ghi)perylene	74	(39 - 139)			SW846 8270C
	82	(39 - 139)	11	(0-30)	SW846 8270C
Benzo(a)pyrene	78	(55 - 128)			SW846 8270C
	86	(55 - 128)	9.4	(0-34)	SW846 8270C
Benzyl alcohol	68	(47 - 124)			SW846 8270C
	79	(47 - 124)	14	(0-33)	SW846 8270C
bis(2-Chloroethoxy) methane	67	(57 - 109)			SW846 8270C
	72	(57 - 109)	7.6	(0-35)	SW846 8270C
bis(2-Chloroethyl)-ether	70	(57 - 117)			SW846 8270C
	76	(57 - 117)	7.1	(0-39)	SW846 8270C
bis(2-Ethylhexyl) phthalate	82	(48 - 133)			SW846 8270C
	89	(48 - 133)	8.5	(0-36)	SW846 8270C
4-Bromophenyl phenyl ether	84	(72 - 137)			SW846 8270C
	92	(72 - 137)	8.4	(0-33)	SW846 8270C
Butyl benzyl phthalate	75	(49 - 124)			SW846 8270C
	83	(49 - 124)	10	(0-32)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	76	(38 - 150)			SW846 8270C
	83	(38 - 150)	8.5	(0-33)	SW846 8270C
4-Chloroaniline	42	(24 - 108)			SW846 8270C
	48	(24 - 108)	12	(0-33)	SW846 8270C
4-Chloro-3-methylphenol	**74**	**(63 - 114)**			**SW846 8270C**
	80	**(63 - 114)**	**7.0**	**(0-31)**	**SW846 8270C**
2-Chloronaphthalene	73	(66 - 113)			SW846 8270C
	80	(66 - 113)	9.4	(0-36)	SW846 8270C
2-Chlorophenol	**78**	**(59 - 108)**			**SW846 8270C**
	83	**(59 - 108)**	**6.1**	**(0-39)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	81	(67 - 119)			SW846 8270C
	88	(67 - 119)	8.8	(0-35)	SW846 8270C
Chrysene	82	(59 - 121)			SW846 8270C
	89	(59 - 121)	8.0	(0-34)	SW846 8270C
Dibenz(a,h)anthracene	71	(44 - 140)			SW846 8270C
	80	(44 - 140)	12	(0-24)	SW846 8270C
Dibenzofuran	79	(69 - 113)			SW846 8270C
	87	(69 - 113)	9.6	(0-34)	SW846 8270C
Di-n-butyl phthalate	77	(58 - 122)			SW846 8270C
	84	(58 - 122)	9.6	(0-30)	SW846 8270C
1,2-Dichlorobenzene	78	(46 - 101)			SW846 8270C
	84	(46 - 101)	6.8	(0-42)	SW846 8270C
1,3-Dichlorobenzene	77	(43 - 101)			SW846 8270C
	83	(43 - 101)	7.0	(0-37)	SW846 8270C
1,4-Dichlorobenzene	**77**	**(43 - 99)**			**SW846 8270C**
	83	**(43 - 99)**	**7.4**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	55	(16 - 100)			SW846 8270C
	64	(16 - 100)	16	(0-38)	SW846 8270C
2,4-Dichlorophenol	80	(63 - 114)			SW846 8270C
	87	(63 - 114)	8.8	(0-37)	SW846 8270C
Diethyl phthalate	74	(30 - 117)			SW846 8270C
	80	(30 - 117)	7.9	(0-31)	SW846 8270C
2,4-Dimethylphenol	39	(15 - 85)			SW846 8270C
	42	(15 - 85)	7.6	(0-40)	SW846 8270C
Dimethyl phthalate	75	(25 - 116)			SW846 8270C
	82	(25 - 116)	9.5	(0-32)	SW846 8270C
4,6-Dinitro-2-methylphenol	84	(59 - 136)			SW846 8270C
	92	(59 - 136)	9.4	(0-36)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	77	(47 - 150)			SW846 8270C
	90	(47 - 150)	16	(0-40)	SW846 8270C
2,4-Dinitrotoluene	**81**	**(71 - 122)**			**SW846 8270C**
	88	**(71 - 122)**	**8.7**	**(0-33)**	**SW846 8270C**
2,6-Dinitrotoluene	81	(68 - 119)			SW846 8270C
	89	(68 - 119)	10	(0-33)	SW846 8270C
Di-n-octyl phthalate	78	(42 - 140)			SW846 8270C
	86	(42 - 140)	8.9	(0-30)	SW846 8270C
1,2-Diphenylhydrazine	65	(55 - 136)			SW846 8270C
	71	(55 - 136)	8.5	(0-34)	SW846 8270C
Fluoranthene	88	(65 - 120)			SW846 8270C
	93	(65 - 120)	6.4	(0-33)	SW846 8270C
Fluorene	79	(68 - 117)			SW846 8270C
	87	(68 - 117)	10	(0-34)	SW846 8270C
Hexachlorobenzene	70	(65 - 123)			SW846 8270C
	76	(65 - 123)	7.8	(0-34)	SW846 8270C
Hexachlorobutadiene	65	(52 - 105)			SW846 8270C
	70	(52 - 105)	8.3	(0-34)	SW846 8270C
Hexachlorocyclopenta-diene	53	(15 - 99)			SW846 8270C
	59	(15 - 99)	11	(0-48)	SW846 8270C
Hexachloroethane	68	(36 - 101)			SW846 8270C
	74	(36 - 101)	8.7	(0-38)	SW846 8270C
Indeno(1,2,3-cd)pyrene	74	(41 - 140)			SW846 8270C
	83	(41 - 140)	11	(0-25)	SW846 8270C
Isophorone	69	(60 - 112)			SW846 8270C
	75	(60 - 112)	8.4	(0-34)	SW846 8270C
2-Methylnaphthalene	85	(66 - 115)			SW846 8270C
	90	(66 - 115)	6.6	(0-33)	SW846 8270C
2-Methylphenol	73	(55 - 109)			SW846 8270C
	80	(55 - 109)	8.5	(0-36)	SW846 8270C
3-Methylphenol & 4-Methylphenol	77	(58 - 118)			SW846 8270C
	82	(58 - 118)	6.9	(0-26)	SW846 8270C
Naphthalene	74	(61 - 108)			SW846 8270C
	80	(61 - 108)	7.9	(0-31)	SW846 8270C
2-Nitroaniline	64	(52 - 126)			SW846 8270C
	71	(52 - 126)	11	(0-32)	SW846 8270C
3-Nitroaniline	61	(32 - 135)			SW846 8270C
	68	(32 - 135)	11	(0-26)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Nitroaniline	65	(49 - 144)			SW846 8270C
	74	(49 - 144)	13	(0-28)	SW846 8270C
Nitrobenzene	67	(58 - 114)			SW846 8270C
	73	(58 - 114)	8.1	(0-42)	SW846 8270C
2-Nitrophenol	82	(64 - 116)			SW846 8270C
	89	(64 - 116)	8.4	(0-37)	SW846 8270C
4-Nitrophenol	**59**	**(47 - 134)**			**SW846 8270C**
	67	**(47 - 134)**	**13**	**(0-26)**	**SW846 8270C**
N-Nitrosodimethylamine	80	(46 - 105)			SW846 8270C
	86	(46 - 105)	6.4	(0-40)	SW846 8270C
N-Nitrosodiphenylamine	91	(52 - 122)			SW846 8270C
	99	(52 - 122)	8.5	(0-35)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**72**	**(44 - 119)**			**SW846 8270C**
	78	**(44 - 119)**	**8.2**	**(0-38)**	**SW846 8270C**
Pentachlorophenol	**70**	**(63 - 123)**			**SW846 8270C**
	78	**(63 - 123)**	**11**	**(0-26)**	**SW846 8270C**
Phenanthrene	81	(65 - 121)			SW846 8270C
	89	(65 - 121)	9.8	(0-32)	SW846 8270C
Phenol	**75**	**(58 - 114)**			**SW846 8270C**
	80	**(58 - 114)**	**6.2**	**(0-36)**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	64	(15 - 147)			SW846 8270C
	69	(15 - 147)	6.8	(0-45)	SW846 8270C
Pyrene	**89**	**(60 - 122)**			**SW846 8270C**
	99	**(60 - 122)**	**11**	**(0-34)**	**SW846 8270C**
Pyridine	65	(46 - 105)			SW846 8270C
	69	(46 - 105)	7.0	(0-41)	SW846 8270C
1,2,4-Trichloro-benzene	**77**	**(59 - 111)**			**SW846 8270C**
	84	**(59 - 111)**	**8.2**	**(0-33)**	**SW846 8270C**
2,4,5-Trichloro-phenol	79	(68 - 117)			SW846 8270C
	87	(68 - 117)	9.7	(0-36)	SW846 8270C
2,4,6-Trichloro-phenol	74	(64 - 117)			SW846 8270C
	80	(64 - 117)	7.8	(0-35)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(19 - 100)
	67	(19 - 100)
Phenol-d5	71	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	65	(35 - 122)
	72	(35 - 122)
2-Fluorobiphenyl	78	(34 - 115)
	86	(34 - 115)
2,4,6-Tribromophenol	66	(33 - 130)
	74	(33 - 130)
Terphenyl-d14	77	(28 - 132)
	82	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**76.0**	**ug**	**76**		**SW846 8270C**
	100	**83.1**	**ug**	**83**	**8.9**	**SW846 8270C**
Acenaphthylene	100	76.5	ug	76		SW846 8270C
	100	84.4	ug	84	9.8	SW846 8270C
Aniline	100	55.6	ug	56		SW846 8270C
	100	59.8	ug	60	7.3	SW846 8270C
Anthracene	100	79.8	ug	80		SW846 8270C
	100	86.5	ug	86	8.0	SW846 8270C
Benzo(a)anthracene	100	79.7	ug	80		SW846 8270C
	100	88.6	ug	89	11	SW846 8270C
Benzo(b)fluoranthene	100	72.4	ug	72		SW846 8270C
	100	77.0	ug	77	6.2	SW846 8270C
Benzo(k)fluoranthene	100	79.7	ug	80		SW846 8270C
	100	90.3	ug	90	12	SW846 8270C
Benzoic acid	100	52.7	ug	53		SW846 8270C
	100	60.7	ug	61	14	SW846 8270C
Benzo(ghi)perylene	100	73.8	ug	74		SW846 8270C
	100	82.5	ug	82	11	SW846 8270C
Benzo(a)pyrene	100	78.2	ug	78		SW846 8270C
	100	85.9	ug	86	9.4	SW846 8270C
Benzyl alcohol	100	68.5	ug	68		SW846 8270C
	100	78.6	ug	79	14	SW846 8270C
bis(2-Chloroethoxy) methane	100	67.2	ug	67		SW846 8270C
	100	72.5	ug	72	7.6	SW846 8270C
bis(2-Chloroethyl)-ether	100	70.5	ug	70		SW846 8270C
	100	75.7	ug	76	7.1	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	81.9	ug	82		SW846 8270C
	100	89.2	ug	89	8.5	SW846 8270C
4-Bromophenyl phenyl ether	100	84.2	ug	84		SW846 8270C
	100	91.6	ug	92	8.4	SW846 8270C
Butyl benzyl phthalate	100	75.4	ug	75		SW846 8270C
	100	83.4	ug	83	10	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbazole	100	76.2	ug	76		SW846 8270C
	100	83.0	ug	83	8.5	SW846 8270C
4-Chloroaniline	100	42.3	ug	42		SW846 8270C
	100	47.7	ug	48	12	SW846 8270C
4-Chloro-3-methylphenol	**100**	**74.1**	**ug**	**74**		**SW846 8270C**
	100	**79.5**	**ug**	**80**	**7.0**	**SW846 8270C**
2-Chloronaphthalene	100	73.2	ug	73		SW846 8270C
	100	80.4	ug	80	9.4	SW846 8270C
2-Chlorophenol	**100**	**77.7**	**ug**	**78**		**SW846 8270C**
	100	**82.6**	**ug**	**83**	**6.1**	**SW846 8270C**
4-Chlorophenyl phenyl ether	100	80.7	ug	81		SW846 8270C
	100	88.1	ug	88	8.8	SW846 8270C
Chrysene	100	82.0	ug	82		SW846 8270C
	100	88.8	ug	89	8.0	SW846 8270C
Dibenz(a,h)anthracene	100	71.2	ug	71		SW846 8270C
	100	80.0	ug	80	12	SW846 8270C
Dibenzofuran	100	79.0	ug	79		SW846 8270C
	100	87.0	ug	87	9.6	SW846 8270C
Di-n-butyl phthalate	100	76.7	ug	77		SW846 8270C
	100	84.4	ug	84	9.6	SW846 8270C
1,2-Dichlorobenzene	100	78.5	ug	78		SW846 8270C
	100	84.0	ug	84	6.8	SW846 8270C
1,3-Dichlorobenzene	100	77.0	ug	77		SW846 8270C
	100	82.6	ug	83	7.0	SW846 8270C
1,4-Dichlorobenzene	**100**	**76.7**	**ug**	**77**		**SW846 8270C**
	100	**82.6**	**ug**	**83**	**7.4**	**SW846 8270C**
3,3'-Dichlorobenzidine	100	54.9	ug	55		SW846 8270C
	100	64.2	ug	64	16	SW846 8270C
2,4-Dichlorophenol	100	79.6	ug	80		SW846 8270C
	100	86.9	ug	87	8.8	SW846 8270C
Diethyl phthalate	100	74.4	ug	74		SW846 8270C
	100	80.5	ug	80	7.9	SW846 8270C
2,4-Dimethylphenol	100	39.3	ug	39		SW846 8270C
	100	42.4	ug	42	7.6	SW846 8270C
Dimethyl phthalate	100	75.0	ug	75		SW846 8270C
	100	82.5	ug	82	9.5	SW846 8270C
4,6-Dinitro-2-methylphenol	100	83.6	ug	84		SW846 8270C
	100	91.8	ug	92	9.4	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-Dinitrophenol	100	77.3	ug	77		SW846 8270C
	100	90.4	ug	90	16	SW846 8270C
2,4-Dinitrotoluene	**100**	**80.6**	**ug**	**81**		**SW846 8270C**
	100	**87.9**	**ug**	**88**	**8.7**	**SW846 8270C**
2,6-Dinitrotoluene	100	80.8	ug	81		SW846 8270C
	100	89.3	ug	89	10	SW846 8270C
Di-n-octyl phthalate	100	78.2	ug	78		SW846 8270C
	100	85.5	ug	86	8.9	SW846 8270C
1,2-Diphenylhydrazine	100	65.0	ug	65		SW846 8270C
	100	70.8	ug	71	8.5	SW846 8270C
Fluoranthene	100	87.5	ug	88		SW846 8270C
	100	93.3	ug	93	6.4	SW846 8270C
Fluorene	100	78.6	ug	79		SW846 8270C
	100	87.3	ug	87	10	SW846 8270C
Hexachlorobenzene	100	70.5	ug	70		SW846 8270C
	100	76.2	ug	76	7.8	SW846 8270C
Hexachlorobutadiene	100	64.7	ug	65		SW846 8270C
	100	70.3	ug	70	8.3	SW846 8270C
Hexachlorocyclopenta-diene	100	53.1	ug	53		SW846 8270C
	100	59.4	ug	59	11	SW846 8270C
Hexachloroethane	100	68.0	ug	68		SW846 8270C
	100	74.2	ug	74	8.7	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	74.2	ug	74		SW846 8270C
	100	82.9	ug	83	11	SW846 8270C
Isophorone	100	68.6	ug	69		SW846 8270C
	100	74.6	ug	75	8.4	SW846 8270C
2-Methylnaphthalene	100	84.7	ug	85		SW846 8270C
	100	90.5	ug	90	6.6	SW846 8270C
2-Methylphenol	100	73.4	ug	73		SW846 8270C
	100	79.9	ug	80	8.5	SW846 8270C
3-Methylphenol & 4-Methylphenol	200	154	ug	77		SW846 8270C
	200	165	ug	82	6.9	SW846 8270C
Naphthalene	100	74.3	ug	74		SW846 8270C
	100	80.4	ug	80	7.9	SW846 8270C
2-Nitroaniline	100	63.5	ug	64		SW846 8270C
	100	70.8	ug	71	11	SW846 8270C
3-Nitroaniline	100	61.1	ug	61		SW846 8270C
	100	68.4	ug	68	11	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4-Nitroaniline	100	64.8	ug	65		SW846 8270C
	100	74.0	ug	74	13	SW846 8270C
Nitrobenzene	100	67.2	ug	67		SW846 8270C
	100	72.9	ug	73	8.1	SW846 8270C
2-Nitrophenol	100	81.7	ug	82		SW846 8270C
	100	88.9	ug	89	8.4	SW846 8270C
4-Nitrophenol	**100**	**58.9**	**ug**	**59**		**SW846 8270C**
	100	**67.4**	**ug**	**67**	**13**	**SW846 8270C**
N-Nitrosodimethylamine	100	80.2	ug	80		SW846 8270C
	100	85.5	ug	86	6.4	SW846 8270C
N-Nitrosodiphenylamine	100	90.7	ug	91		SW846 8270C
	100	98.8	ug	99	8.5	SW846 8270C
N-Nitrosodi-n-propyl-amine	**100**	**71.5**	**ug**	**72**		**SW846 8270C**
	100	**77.6**	**ug**	**78**	**8.2**	**SW846 8270C**
Pentachlorophenol	**100**	**69.9**	**ug**	**70**		**SW846 8270C**
	100	**78.2**	**ug**	**78**	**11**	**SW846 8270C**
Phenanthrene	100	80.9	ug	81		SW846 8270C
	100	89.2	ug	89	9.8	SW846 8270C
Phenol	**100**	**75.0**	**ug**	**75**		**SW846 8270C**
	100	**79.8**	**ug**	**80**	**6.2**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	100	64.4	ug	64		SW846 8270C
	100	68.9	ug	69	6.8	SW846 8270C
Pyrene	**100**	**89.1**	**ug**	**89**		**SW846 8270C**
	100	**99.4**	**ug**	**99**	**11**	**SW846 8270C**
Pyridine	100	64.6	ug	65		SW846 8270C
	100	69.3	ug	69	7.0	SW846 8270C
1,2,4-Trichloro-benzene	**100**	**77.4**	**ug**	**77**		**SW846 8270C**
	100	**84.0**	**ug**	**84**	**8.2**	**SW846 8270C**
2,4,5-Trichloro-phenol	100	78.6	ug	79		SW846 8270C
	100	86.6	ug	87	9.7	SW846 8270C
2,4,6-Trichloro-phenol	100	74.4	ug	74		SW846 8270C
	100	80.4	ug	80	7.8	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(19 - 100)
	67	(19 - 100)
Phenol-d5	71	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	65	(35 - 122)
	72	(35 - 122)
2-Fluorobiphenyl	78	(34 - 115)
	86	(34 - 115)
2,4,6-Tribromophenol	66	(33 - 130)
	74	(33 - 130)
Terphenyl-d14	77	(28 - 132)
	82	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-187

Prep Date.....: 04/06/06
Analysis Date..: 04/28/06 **Prep Batch #...:** 6096187
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug	SW846 8270C
Acenaphthylene	ND	10	ug	SW846 8270C
Acetophenone	ND	10	ug	SW846 8270C
Aniline	ND	20	ug	SW846 8270C
Anthracene	ND	10	ug	SW846 8270C
Benzaldehyde	ND	10	ug	SW846 8270C
Benzidine	ND	100	ug	SW846 8270C
Benzo(a)anthracene	ND	10	ug	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug	SW846 8270C
Benzoic acid	ND	100	ug	SW846 8270C
Benzonitrile	ND	10	ug	SW846 8270C
Benzo(ghi)perylene	ND	10	ug	SW846 8270C
Benzo(a)pyrene	ND	10	ug	SW846 8270C
Benzyl alcohol	ND	100	ug	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	20	ug	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug	SW846 8270C
Butyl benzyl phthalate	ND	10	ug	SW846 8270C
Carbazole	ND	10	ug	SW846 8270C
4-Chloroaniline	ND	20	ug	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug	SW846 8270C
2-Chloronaphthalene	ND	10	ug	SW846 8270C
2-Chlorophenol	ND	10	ug	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug	SW846 8270C
Chrysene	ND	10	ug	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug	SW846 8270C
Dibenzofuran	ND	10	ug	SW846 8270C
Di-n-butyl phthalate	ND	20	ug	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug	SW846 8270C
2,4-Dichlorophenol	ND	10	ug	SW846 8270C
Diethyl phthalate	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	10	ug	SW846 8270C
Dimethyl phthalate	ND	10	ug	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug	SW846 8270C
2,4-Dinitrophenol	ND	50	ug	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug	SW846 8270C
Di-n-octyl phthalate	ND	10	ug	SW846 8270C
Diphenylamine	ND	10	ug	SW846 8270C
1,2-Diphenylhydrazine	ND	10	ug	SW846 8270C
Fluoranthene	ND	10	ug	SW846 8270C
Fluorene	ND	10	ug	SW846 8270C
Hexachlorobenzene	ND	10	ug	SW846 8270C
Hexachlorobutadiene	ND	10	ug	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug	SW846 8270C
Hexachloroethane	ND	10	ug	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug	SW846 8270C
Isophorone	ND	10	ug	SW846 8270C
2-Methylnaphthalene	ND	10	ug	SW846 8270C
2-Methylphenol	ND	10	ug	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug	SW846 8270C
Naphthalene	ND	10	ug	SW846 8270C
2-Nitroaniline	ND	50	ug	SW846 8270C
3-Nitroaniline	ND	50	ug	SW846 8270C
4-Nitroaniline	ND	50	ug	SW846 8270C
Nitrobenzene	ND	10	ug	SW846 8270C
2-Nitrophenol	ND	10	ug	SW846 8270C
4-Nitrophenol	ND	50	ug	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug	SW846 8270C
Pentachlorobenzene	ND	10	ug	SW846 8270C
Pentachloronitrobenzene	ND	50	ug	SW846 8270C
Pentachlorophenol	ND	50	ug	SW846 8270C
Phenanthrene	ND	10	ug	SW846 8270C
Phenol	ND	10	ug	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug	SW846 8270C
Pyrene	ND	10	ug	SW846 8270C
Pyridine	ND	20	ug	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(19 - 100)
Phenol-d5	56	(15 - 124)
Nitrobenzene-d5	56	(35 - 122)
2-Fluorobiphenyl	72	(34 - 115)
2,4,6-Tribromophenol	65	(33 - 130)
Terphenyl-d14	78	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL Knoxville - ACS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: H6D060000-187 B **Work Order #:** H2PJ51AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
2-Pentanol, 4-methyl-	108-11-2	4.3 NJ	M	2.1435	ug

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**82**	**(66 - 113)**			**SW846 8270C**
	86	**(66 - 113)**	**4.7**	**(0-35)**	**SW846 8270C**
Acenaphthylene	84	(64 - 110)			SW846 8270C
	87	(64 - 110)	3.4	(0-36)	SW846 8270C
Aniline	50	(34 - 148)			SW846 8270C
	52	(34 - 148)	4.9	(0-35)	SW846 8270C
Anthracene	86	(66 - 118)			SW846 8270C
	90	(66 - 118)	4.4	(0-39)	SW846 8270C
Benzo(a)anthracene	86	(61 - 124)			SW846 8270C
	91	(61 - 124)	4.7	(0-32)	SW846 8270C
Benzo(b)fluoranthene	75	(47 - 150)			SW846 8270C
	80	(47 - 150)	6.9	(0-43)	SW846 8270C
Benzo(k)fluoranthene	92	(39 - 139)			SW846 8270C
	87	(39 - 139)	5.4	(0-43)	SW846 8270C
Benzoic acid	98	(37 - 138)			SW846 8270C
	103	(37 - 138)	4.9	(0-31)	SW846 8270C
Benzo(ghi)perylene	84	(39 - 139)			SW846 8270C
	84	(39 - 139)	0.23	(0-30)	SW846 8270C
Benzo(a)pyrene	87	(55 - 128)			SW846 8270C
	88	(55 - 128)	0.80	(0-34)	SW846 8270C
Benzyl alcohol	82	(47 - 124)			SW846 8270C
	88	(47 - 124)	8.2	(0-33)	SW846 8270C
bis(2-Chloroethoxy) methane	69	(57 - 109)			SW846 8270C
	74	(57 - 109)	7.3	(0-35)	SW846 8270C
bis(2-Chloroethyl)-ether	74	(57 - 117)			SW846 8270C
	77	(57 - 117)	4.5	(0-39)	SW846 8270C
bis(2-Ethylhexyl) phthalate	88	(48 - 133)			SW846 8270C
	92	(48 - 133)	4.6	(0-36)	SW846 8270C
4-Bromophenyl phenyl ether	92	(72 - 137)			SW846 8270C
	96	(72 - 137)	4.9	(0-33)	SW846 8270C
Butyl benzyl phthalate	83	(49 - 124)			SW846 8270C
	85	(49 - 124)	2.4	(0-32)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	81	(38 - 150)			SW846 8270C
	84	(38 - 150)	4.4	(0-33)	SW846 8270C
4-Chloroaniline	43	(24 - 108)			SW846 8270C
	45	(24 - 108)	4.3	(0-33)	SW846 8270C
4-Chloro-3-methylphenol	**76**	**(63 - 114)**			**SW846 8270C**
	80	**(63 - 114)**	**5.3**	**(0-31)**	**SW846 8270C**
2-Chloronaphthalene	78	(66 - 113)			SW846 8270C
	82	(66 - 113)	5.0	(0-36)	SW846 8270C
2-Chlorophenol	**80**	**(59 - 108)**			**SW846 8270C**
	86	**(59 - 108)**	**6.4**	**(0-39)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	88	(67 - 119)			SW846 8270C
	91	(67 - 119)	3.6	(0-35)	SW846 8270C
Chrysene	89	(59 - 121)			SW846 8270C
	94	(59 - 121)	5.5	(0-34)	SW846 8270C
Dibenz(a,h)anthracene	81	(44 - 140)			SW846 8270C
	81	(44 - 140)	0.61	(0-24)	SW846 8270C
Dibenzofuran	86	(69 - 113)			SW846 8270C
	89	(69 - 113)	3.2	(0-34)	SW846 8270C
Di-n-butyl phthalate	83	(58 - 122)			SW846 8270C
	86	(58 - 122)	3.0	(0-30)	SW846 8270C
1,2-Dichlorobenzene	81	(46 - 101)			SW846 8270C
	88	(46 - 101)	8.1	(0-42)	SW846 8270C
1,3-Dichlorobenzene	82	(43 - 101)			SW846 8270C
	87	(43 - 101)	5.6	(0-37)	SW846 8270C
1,4-Dichlorobenzene	**83**	**(43 - 99)**			**SW846 8270C**
	87	**(43 - 99)**	**5.5**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	52	(16 - 100)			SW846 8270C
	57	(16 - 100)	9.0	(0-38)	SW846 8270C
2,4-Dichlorophenol	83	(63 - 114)			SW846 8270C
	88	(63 - 114)	6.0	(0-37)	SW846 8270C
Diethyl phthalate	80	(30 - 117)			SW846 8270C
	82	(30 - 117)	2.1	(0-31)	SW846 8270C
2,4-Dimethylphenol	39	(15 - 85)			SW846 8270C
	45	(15 - 85)	15	(0-40)	SW846 8270C
Dimethyl phthalate	82	(25 - 116)			SW846 8270C
	84	(25 - 116)	1.9	(0-32)	SW846 8270C
4,6-Dinitro-2-methylphenol	94	(59 - 136)			SW846 8270C
	97	(59 - 136)	2.7	(0-36)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	88	(47 - 150)			SW846 8270C
	92	(47 - 150)	4.2	(0-40)	SW846 8270C
2,4-Dinitrotoluene	**86**	**(71 - 122)**			**SW846 8270C**
	91	**(71 - 122)**	**4.6**	**(0-33)**	**SW846 8270C**
2,6-Dinitrotoluene	87	(68 - 119)			SW846 8270C
	89	(68 - 119)	1.8	(0-33)	SW846 8270C
Di-n-octyl phthalate	84	(42 - 140)			SW846 8270C
	83	(42 - 140)	0.60	(0-30)	SW846 8270C
1,2-Diphenylhydrazine	71	(55 - 136)			SW846 8270C
	74	(55 - 136)	3.8	(0-34)	SW846 8270C
Fluoranthene	94	(65 - 120)			SW846 8270C
	96	(65 - 120)	2.1	(0-33)	SW846 8270C
Fluorene	86	(68 - 117)			SW846 8270C
	89	(68 - 117)	2.6	(0-34)	SW846 8270C
Hexachlorobenzene	75	(65 - 123)			SW846 8270C
	80	(65 - 123)	5.6	(0-34)	SW846 8270C
Hexachlorobutadiene	70	(52 - 105)			SW846 8270C
	72	(52 - 105)	3.4	(0-34)	SW846 8270C
Hexachlorocyclopenta-diene	56	(15 - 99)			SW846 8270C
	62	(15 - 99)	10	(0-48)	SW846 8270C
Hexachloroethane	72	(36 - 101)			SW846 8270C
	76	(36 - 101)	4.7	(0-38)	SW846 8270C
Indeno(1,2,3-cd)pyrene	84	(41 - 140)			SW846 8270C
	84	(41 - 140)	0.11	(0-25)	SW846 8270C
Isophorone	73	(60 - 112)			SW846 8270C
	76	(60 - 112)	4.2	(0-34)	SW846 8270C
2-Methylnaphthalene	88	(66 - 115)			SW846 8270C
	93	(66 - 115)	5.9	(0-33)	SW846 8270C
2-Methylphenol	73	(55 - 109)			SW846 8270C
	79	(55 - 109)	7.1	(0-36)	SW846 8270C
Naphthalene	78	(61 - 108)			SW846 8270C
	81	(61 - 108)	3.3	(0-31)	SW846 8270C
2-Nitroaniline	70	(52 - 126)			SW846 8270C
	73	(52 - 126)	3.9	(0-32)	SW846 8270C
3-Nitroaniline	64	(32 - 135)			SW846 8270C
	67	(32 - 135)	3.5	(0-26)	SW846 8270C
4-Nitroaniline	67	(49 - 144)			SW846 8270C
	70	(49 - 144)	3.8	(0-28)	SW846 8270C
Nitrobenzene	72	(58 - 114)			SW846 8270C
	74	(58 - 114)	4.1	(0-42)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Nitrophenol	87	(64 - 116)			SW846 8270C
	91	(64 - 116)	5.0	(0-37)	SW846 8270C
4-Nitrophenol	**67**	**(47 - 134)**			**SW846 8270C**
	67	**(47 - 134)**	**0.59**	**(0-26)**	**SW846 8270C**
N-Nitrosodimethylamine	86	(46 - 105)			SW846 8270C
	89	(46 - 105)	3.7	(0-40)	SW846 8270C
N-Nitrosodiphenylamine	98	(52 - 122)			SW846 8270C
	102	(52 - 122)	4.1	(0-35)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**75**	**(44 - 119)**			**SW846 8270C**
	80	**(44 - 119)**	**6.6**	**(0-38)**	**SW846 8270C**
Pentachlorophenol	**81**	**(63 - 123)**			**SW846 8270C**
	83	**(63 - 123)**	**2.0**	**(0-26)**	**SW846 8270C**
Phenanthrene	87	(65 - 121)			SW846 8270C
	91	(65 - 121)	4.6	(0-32)	SW846 8270C
Phenol	**78**	**(58 - 114)**			**SW846 8270C**
	81	**(58 - 114)**	**4.0**	**(0-36)**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	68	(15 - 147)			SW846 8270C
	71	(15 - 147)	5.3	(0-45)	SW846 8270C
Pyrene	**96**	**(60 - 122)**			**SW846 8270C**
	101	**(60 - 122)**	**5.6**	**(0-34)**	**SW846 8270C**
Pyridine	73	(46 - 105)			SW846 8270C
	74	(46 - 105)	2.3	(0-41)	SW846 8270C
1,2,4-Trichloro-benzene	**83**	**(59 - 111)**			**SW846 8270C**
	86	**(59 - 111)**	**4.1**	**(0-33)**	**SW846 8270C**
2,4,5-Trichloro-phenol	83	(68 - 117)			SW846 8270C
	90	(68 - 117)	8.2	(0-36)	SW846 8270C
2,4,6-Trichloro-phenol	83	(64 - 117)			SW846 8270C
	86	(64 - 117)	4.2	(0-35)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(19 - 100)
	70	(19 - 100)
Phenol-d5	73	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	69	(35 - 122)
	73	(35 - 122)
2-Fluorobiphenyl	84	(34 - 115)
	88	(34 - 115)
2,4,6-Tribromophenol	73	(33 - 130)
	77	(33 - 130)
Terphenyl-d14	80	(28 - 132)
	87	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**81.7**	**ug**	**82**		**SW846 8270C**
	100	**85.6**	**ug**	**86**	**4.7**	**SW846 8270C**
Acenaphthylene	100	83.7	ug	84		SW846 8270C
	100	86.6	ug	87	3.4	SW846 8270C
Aniline	100	49.5	ug	50		SW846 8270C
	100	52.0	ug	52	4.9	SW846 8270C
Anthracene	100	85.9	ug	86		SW846 8270C
	100	89.8	ug	90	4.4	SW846 8270C
Benzo(a)anthracene	100	86.4	ug	86		SW846 8270C
	100	90.6	ug	91	4.7	SW846 8270C
Benzo(b)fluoranthene	100	75.1	ug	75		SW846 8270C
	100	80.5	ug	80	6.9	SW846 8270C
Benzo(k)fluoranthene	100	92.3	ug	92		SW846 8270C
	100	87.4	ug	87	5.4	SW846 8270C
Benzoic acid	100	98.1	ug	98		SW846 8270C
	100	103	ug	103	4.9	SW846 8270C
Benzo(ghi)perylene	100	83.8	ug	84		SW846 8270C
	100	83.6	ug	84	0.23	SW846 8270C
Benzo(a)pyrene	100	86.8	ug	87		SW846 8270C
	100	87.5	ug	88	0.80	SW846 8270C
Benzyl alcohol	100	81.5	ug	82		SW846 8270C
	100	88.5	ug	88	8.2	SW846 8270C
bis(2-Chloroethoxy) methane	100	68.7	ug	69		SW846 8270C
	100	73.9	ug	74	7.3	SW846 8270C
bis(2-Chloroethyl)-ether	100	74.0	ug	74		SW846 8270C
	100	77.4	ug	77	4.5	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	88.0	ug	88		SW846 8270C
	100	92.1	ug	92	4.6	SW846 8270C
4-Bromophenyl phenyl ether	100	91.6	ug	92		SW846 8270C
	100	96.2	ug	96	4.9	SW846 8270C
Butyl benzyl phthalate	100	82.6	ug	83		SW846 8270C
	100	84.6	ug	85	2.4	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbazole	100	80.9	ug	81		SW846 8270C
	100	84.5	ug	84	4.4	SW846 8270C
4-Chloroaniline	100	42.9	ug	43		SW846 8270C
	100	44.8	ug	45	4.3	SW846 8270C
4-Chloro-3-methylphenol	**100**	**75.9**	**ug**	**76**		**SW846 8270C**
	100	**80.0**	**ug**	**80**	**5.3**	**SW846 8270C**
2-Chloronaphthalene	100	77.7	ug	78		SW846 8270C
	100	81.7	ug	82	5.0	SW846 8270C
2-Chlorophenol	**100**	**80.5**	**ug**	**80**		**SW846 8270C**
	100	**85.8**	**ug**	**86**	**6.4**	**SW846 8270C**
4-Chlorophenyl phenyl ether	100	87.7	ug	88		SW846 8270C
	100	90.9	ug	91	3.6	SW846 8270C
Chrysene	100	89.4	ug	89		SW846 8270C
	100	94.5	ug	94	5.5	SW846 8270C
Dibenz(a,h)anthracene	100	81.2	ug	81		SW846 8270C
	100	80.7	ug	81	0.61	SW846 8270C
Dibenzofuran	100	85.8	ug	86		SW846 8270C
	100	88.6	ug	89	3.2	SW846 8270C
Di-n-butyl phthalate	100	83.1	ug	83		SW846 8270C
	100	85.6	ug	86	3.0	SW846 8270C
1,2-Dichlorobenzene	100	81.3	ug	81		SW846 8270C
	100	88.2	ug	88	8.1	SW846 8270C
1,3-Dichlorobenzene	100	82.1	ug	82		SW846 8270C
	100	86.8	ug	87	5.6	SW846 8270C
1,4-Dichlorobenzene	**100**	**82.7**	**ug**	**83**		**SW846 8270C**
	100	**87.4**	**ug**	**87**	**5.5**	**SW846 8270C**
3,3'-Dichlorobenzidine	100	52.1	ug	52		SW846 8270C
	100	57.0	ug	57	9.0	SW846 8270C
2,4-Dichlorophenol	100	83.3	ug	83		SW846 8270C
	100	88.5	ug	88	6.0	SW846 8270C
Diethyl phthalate	100	80.2	ug	80		SW846 8270C
	100	81.9	ug	82	2.1	SW846 8270C
2,4-Dimethylphenol	100	38.9	ug	39		SW846 8270C
	100	45.0	ug	45	15	SW846 8270C
Dimethyl phthalate	100	82.1	ug	82		SW846 8270C
	100	83.7	ug	84	1.9	SW846 8270C
4,6-Dinitro-2-methylphenol	100	94.0	ug	94		SW846 8270C
	100	96.6	ug	97	2.7	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-Dinitrophenol	100	88.1	ug	88		SW846 8270C
	100	91.9	ug	92	4.2	SW846 8270C
2,4-Dinitrotoluene	**100**	**86.5**	**ug**	**86**		**SW846 8270C**
	100	**90.6**	**ug**	**91**	**4.6**	**SW846 8270C**
2,6-Dinitrotoluene	100	87.2	ug	87		SW846 8270C
	100	88.8	ug	89	1.8	SW846 8270C
Di-n-octyl phthalate	100	83.6	ug	84		SW846 8270C
	100	83.1	ug	83	0.60	SW846 8270C
1,2-Diphenylhydrazine	100	71.2	ug	71		SW846 8270C
	100	74.0	ug	74	3.8	SW846 8270C
Fluoranthene	100	93.8	ug	94		SW846 8270C
	100	95.8	ug	96	2.1	SW846 8270C
Fluorene	100	86.3	ug	86		SW846 8270C
	100	88.6	ug	89	2.6	SW846 8270C
Hexachlorobenzene	100	75.2	ug	75		SW846 8270C
	100	79.5	ug	80	5.6	SW846 8270C
Hexachlorobutadiene	100	69.7	ug	70		SW846 8270C
	100	72.1	ug	72	3.4	SW846 8270C
Hexachlorocyclopenta-diene	100	55.5	ug	56		SW846 8270C
	100	61.6	ug	62	10	SW846 8270C
Hexachloroethane	100	72.0	ug	72		SW846 8270C
	100	75.5	ug	76	4.7	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	83.7	ug	84		SW846 8270C
	100	83.8	ug	84	0.11	SW846 8270C
Isophorone	100	72.9	ug	73		SW846 8270C
	100	76.0	ug	76	4.2	SW846 8270C
2-Methylnaphthalene	100	87.5	ug	88		SW846 8270C
	100	92.8	ug	93	5.9	SW846 8270C
2-Methylphenol	100	73.4	ug	73		SW846 8270C
	100	78.8	ug	79	7.1	SW846 8270C
Naphthalene	100	78.2	ug	78		SW846 8270C
	100	80.8	ug	81	3.3	SW846 8270C
2-Nitroaniline	100	70.0	ug	70		SW846 8270C
	100	72.8	ug	73	3.9	SW846 8270C
3-Nitroaniline	100	64.4	ug	64		SW846 8270C
	100	66.7	ug	67	3.5	SW846 8270C
4-Nitroaniline	100	67.0	ug	67		SW846 8270C
	100	69.6	ug	70	3.8	SW846 8270C
Nitrobenzene	100	71.5	ug	72		SW846 8270C
	100	74.5	ug	74	4.1	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Nitrophenol	100	86.7	ug	87		SW846 8270C
	100	91.2	ug	91	5.0	SW846 8270C
4-Nitrophenol	**100**	**67.4**	**ug**	**67**		**SW846 8270C**
	100	**67.0**	**ug**	**67**	**0.59**	**SW846 8270C**
N-Nitrosodimethylamine	100	85.8	ug	86		SW846 8270C
	100	89.0	ug	89	3.7	SW846 8270C
N-Nitrosodiphenylamine	100	97.9	ug	98		SW846 8270C
	100	102	ug	102	4.1	SW846 8270C
N-Nitrosodi-n-propyl-amine	**100**	**74.6**	**ug**	**75**		**SW846 8270C**
	100	**79.7**	**ug**	**80**	**6.6**	**SW846 8270C**
Pentachlorophenol	**100**	**81.0**	**ug**	**81**		**SW846 8270C**
	100	**82.6**	**ug**	**83**	**2.0**	**SW846 8270C**
Phenanthrene	100	87.3	ug	87		SW846 8270C
	100	91.4	ug	91	4.6	SW846 8270C
Phenol	**100**	**78.1**	**ug**	**78**		**SW846 8270C**
	100	**81.3**	**ug**	**81**	**4.0**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	100	67.7	ug	68		SW846 8270C
	100	71.4	ug	71	5.3	SW846 8270C
Pyrene	**100**	**95.5**	**ug**	**96**		**SW846 8270C**
	100	**101**	**ug**	**101**	**5.6**	**SW846 8270C**
Pyridine	100	72.7	ug	73		SW846 8270C
	100	74.4	ug	74	2.3	SW846 8270C
1,2,4-Trichloro-benzene	**100**	**82.9**	**ug**	**83**		**SW846 8270C**
	100	**86.4**	**ug**	**86**	**4.1**	**SW846 8270C**
2,4,5-Trichloro-phenol	100	82.6	ug	83		SW846 8270C
	100	89.7	ug	90	8.2	SW846 8270C
2,4,6-Trichloro-phenol	100	82.9	ug	83		SW846 8270C
	100	86.5	ug	86	4.2	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(19 - 100)
	70	(19 - 100)
Phenol-d5	73	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	69	(35 - 122)
	73	(35 - 122)
2-Fluorobiphenyl	84	(34 - 115)
	88	(34 - 115)
2,4,6-Tribromophenol	73	(33 - 130)
	77	(33 - 130)
Terphenyl-d14	80	(28 - 132)
	87	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-189

Prep Date.....: 04/06/06
Analysis Date..: 04/28/06 **Prep Batch #...:** 6096189
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug	SW846 8270C
Acenaphthylene	ND	10	ug	SW846 8270C
Acetophenone	ND	10	ug	SW846 8270C
Aniline	ND	20	ug	SW846 8270C
Anthracene	ND	10	ug	SW846 8270C
Benzaldehyde	ND	10	ug	SW846 8270C
Benzidine	ND	100	ug	SW846 8270C
Benzo(a)anthracene	ND	10	ug	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug	SW846 8270C
Benzoic acid	ND	50	ug	SW846 8270C
Benzonitrile	ND	10	ug	SW846 8270C
Benzo(ghi)perylene	ND	10	ug	SW846 8270C
Benzo(a)pyrene	ND	10	ug	SW846 8270C
Benzyl alcohol	ND	10	ug	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug	SW846 8270C
Butyl benzyl phthalate	ND	10	ug	SW846 8270C
Carbazole	ND	10	ug	SW846 8270C
4-Chloroaniline	ND	10	ug	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug	SW846 8270C
2-Chloronaphthalene	ND	10	ug	SW846 8270C
2-Chlorophenol	ND	10	ug	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug	SW846 8270C
Chrysene	ND	10	ug	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug	SW846 8270C
Dibenzofuran	ND	10	ug	SW846 8270C
Di-n-butyl phthalate	ND	10	ug	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug	SW846 8270C
2,4-Dichlorophenol	ND	10	ug	SW846 8270C
Diethyl phthalate	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	10	ug	SW846 8270C
Dimethyl phthalate	ND	10	ug	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug	SW846 8270C
2,4-Dinitrophenol	ND	50	ug	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug	SW846 8270C
Di-n-octyl phthalate	ND	10	ug	SW846 8270C
Diphenylamine	ND	10	ug	SW846 8270C
1,2-Diphenylhydrazine	ND	10	ug	SW846 8270C
Fluoranthene	ND	10	ug	SW846 8270C
Fluorene	ND	10	ug	SW846 8270C
Hexachlorobenzene	ND	10	ug	SW846 8270C
Hexachlorobutadiene	ND	10	ug	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug	SW846 8270C
Hexachloroethane	ND	10	ug	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug	SW846 8270C
Isophorone	ND	10	ug	SW846 8270C
2-Methylnaphthalene	ND	10	ug	SW846 8270C
2-Methylphenol	ND	10	ug	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug	SW846 8270C
Naphthalene	ND	10	ug	SW846 8270C
2-Nitroaniline	ND	50	ug	SW846 8270C
3-Nitroaniline	ND	50	ug	SW846 8270C
4-Nitroaniline	ND	50	ug	SW846 8270C
Nitrobenzene	ND	10	ug	SW846 8270C
2-Nitrophenol	ND	10	ug	SW846 8270C
4-Nitrophenol	ND	50	ug	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug	SW846 8270C
Pentachlorobenzene	ND	10	ug	SW846 8270C
Pentachloronitrobenzene	ND	10	ug	SW846 8270C
Pentachlorophenol	ND	50	ug	SW846 8270C
Phenanthrene	ND	10	ug	SW846 8270C
Phenol	ND	10	ug	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug	SW846 8270C
Pyrene	ND	10	ug	SW846 8270C
Pyridine	ND	20	ug	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(19 - 100)
Phenol-d5	40	(15 - 124)
Nitrobenzene-d5	57	(35 - 122)
2-Fluorobiphenyl	69	(34 - 115)
2,4,6-Tribromophenol	56	(33 - 130)
Terphenyl-d14	73	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL Knoxville - ACS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: H6D060000-189 B **Work Order #:** H2PKP1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**66**	**(66 - 113)**			**SW846 8270C**
	70	**(66 - 113)**	**5.6**	**(0-35)**	**SW846 8270C**
Acenaphthylene	67	(64 - 110)			SW846 8270C
	70	(64 - 110)	5.4	(0-36)	SW846 8270C
Aniline	38	(34 - 148)			SW846 8270C
	45	(34 - 148)	15	(0-35)	SW846 8270C
Anthracene	69	(66 - 118)			SW846 8270C
	71	(66 - 118)	3.2	(0-39)	SW846 8270C
Benzo(a)anthracene	70	(61 - 124)			SW846 8270C
	73	(61 - 124)	4.5	(0-32)	SW846 8270C
Benzo(b)fluoranthene	64	(47 - 150)			SW846 8270C
	67	(47 - 150)	4.1	(0-43)	SW846 8270C
Benzo(k)fluoranthene	73	(39 - 139)			SW846 8270C
	77	(39 - 139)	5.3	(0-43)	SW846 8270C
Benzoic acid	0.0	(37 - 138)			SW846 8270C
	0.0	(37 - 138)	0.0	(0-31)	SW846 8270C
Benzo(ghi)perylene	66	(39 - 139)			SW846 8270C
	70	(39 - 139)	6.0	(0-30)	SW846 8270C
Benzo(a)pyrene	69	(55 - 128)			SW846 8270C
	71	(55 - 128)	3.8	(0-34)	SW846 8270C
Benzyl alcohol	52	(47 - 124)			SW846 8270C
	51	(47 - 124)	1.4	(0-33)	SW846 8270C
bis(2-Chloroethoxy) methane	56 a	(57 - 109)			SW846 8270C
	57	(57 - 109)	2.5	(0-35)	SW846 8270C
bis(2-Chloroethyl)-ether	61	(57 - 117)			SW846 8270C
	62	(57 - 117)	1.8	(0-39)	SW846 8270C
bis(2-Ethylhexyl) phthalate	71	(48 - 133)			SW846 8270C
	75	(48 - 133)	5.6	(0-36)	SW846 8270C
4-Bromophenyl phenyl ether	76	(72 - 137)			SW846 8270C
	79	(72 - 137)	3.5	(0-33)	SW846 8270C
Butyl benzyl phthalate	66	(49 - 124)			SW846 8270C
	70	(49 - 124)	5.0	(0-32)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	67	(38 - 150)			SW846 8270C
	69	(38 - 150)	3.2	(0-33)	SW846 8270C
4-Chloroaniline	50	(24 - 108)			SW846 8270C
	52	(24 - 108)	4.1	(0-33)	SW846 8270C
4-Chloro-3-methylphenol	**59 a**	**(63 - 114)**			**SW846 8270C**
	60 a	**(63 - 114)**	**2.4**	**(0-31)**	**SW846 8270C**
2-Chloronaphthalene	64 a	(66 - 113)			SW846 8270C
	66	(66 - 113)	3.2	(0-36)	SW846 8270C
2-Chlorophenol	**63**	**(59 - 108)**			**SW846 8270C**
	62	**(59 - 108)**	**0.47**	**(0-39)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	71	(67 - 119)			SW846 8270C
	76	(67 - 119)	6.2	(0-35)	SW846 8270C
Chrysene	73	(59 - 121)			SW846 8270C
	76	(59 - 121)	4.4	(0-34)	SW846 8270C
Dibenz(a,h)anthracene	64	(44 - 140)			SW846 8270C
	67	(44 - 140)	4.0	(0-24)	SW846 8270C
Dibenzofuran	70	(69 - 113)			SW846 8270C
	74	(69 - 113)	5.7	(0-34)	SW846 8270C
Di-n-butyl phthalate	67	(58 - 122)			SW846 8270C
	72	(58 - 122)	6.5	(0-30)	SW846 8270C
1,2-Dichlorobenzene	65	(46 - 101)			SW846 8270C
	67	(46 - 101)	3.2	(0-42)	SW846 8270C
1,3-Dichlorobenzene	63	(43 - 101)			SW846 8270C
	65	(43 - 101)	3.1	(0-37)	SW846 8270C
1,4-Dichlorobenzene	**64**	**(43 - 99)**			**SW846 8270C**
	67	**(43 - 99)**	**5.2**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	44	(16 - 100)			SW846 8270C
	41	(16 - 100)	5.7	(0-38)	SW846 8270C
2,4-Dichlorophenol	63	(63 - 114)			SW846 8270C
	67	(63 - 114)	5.5	(0-37)	SW846 8270C
Diethyl phthalate	65	(30 - 117)			SW846 8270C
	69	(30 - 117)	6.1	(0-31)	SW846 8270C
2,4-Dimethylphenol	20	(15 - 85)			SW846 8270C
	10 a,p	(15 - 85)	64	(0-40)	SW846 8270C
Dimethyl phthalate	66	(25 - 116)			SW846 8270C
	71	(25 - 116)	7.1	(0-32)	SW846 8270C
4,6-Dinitro-2-methylphenol	69	(59 - 136)			SW846 8270C
	75	(59 - 136)	8.3	(0-36)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	55	(47 - 150)			SW846 8270C
	50	(47 - 150)	9.4	(0-40)	SW846 8270C
2,4-Dinitrotoluene	**72**	**(71 - 122)**			**SW846 8270C**
	78	**(71 - 122)**	**7.1**	**(0-33)**	**SW846 8270C**
2,6-Dinitrotoluene	72	(68 - 119)			SW846 8270C
	77	(68 - 119)	7.2	(0-33)	SW846 8270C
Di-n-octyl phthalate	68	(42 - 140)			SW846 8270C
	73	(42 - 140)	6.9	(0-30)	SW846 8270C
1,2-Diphenylhydrazine	57	(55 - 136)			SW846 8270C
	60	(55 - 136)	5.4	(0-34)	SW846 8270C
Fluoranthene	76	(65 - 120)			SW846 8270C
	80	(65 - 120)	5.0	(0-33)	SW846 8270C
Fluorene	70	(68 - 117)			SW846 8270C
	74	(68 - 117)	5.4	(0-34)	SW846 8270C
Hexachlorobenzene	61 a	(65 - 123)			SW846 8270C
	65	(65 - 123)	6.4	(0-34)	SW846 8270C
Hexachlorobutadiene	54	(52 - 105)			SW846 8270C
	56	(52 - 105)	2.9	(0-34)	SW846 8270C
Hexachlorocyclopenta-diene	37	(15 - 99)			SW846 8270C
	40	(15 - 99)	9.0	(0-48)	SW846 8270C
Hexachloroethane	56	(36 - 101)			SW846 8270C
	58	(36 - 101)	4.6	(0-38)	SW846 8270C
Indeno(1,2,3-cd)pyrene	66	(41 - 140)			SW846 8270C
	67	(41 - 140)	1.4	(0-25)	SW846 8270C
Isophorone	59 a	(60 - 112)			SW846 8270C
	60	(60 - 112)	1.8	(0-34)	SW846 8270C
2-Methylnaphthalene	71	(66 - 115)			SW846 8270C
	73	(66 - 115)	1.8	(0-33)	SW846 8270C
2-Methylphenol	56	(55 - 109)			SW846 8270C
	53 a	(55 - 109)	5.7	(0-36)	SW846 8270C
Naphthalene	62	(61 - 108)			SW846 8270C
	65	(61 - 108)	4.1	(0-31)	SW846 8270C
2-Nitroaniline	56	(52 - 126)			SW846 8270C
	60	(52 - 126)	6.5	(0-32)	SW846 8270C
3-Nitroaniline	60	(32 - 135)			SW846 8270C
	64	(32 - 135)	5.9	(0-26)	SW846 8270C
4-Nitroaniline	58	(49 - 144)			SW846 8270C
	60	(49 - 144)	2.0	(0-28)	SW846 8270C
Nitrobenzene	56 a	(58 - 114)			SW846 8270C
	59	(58 - 114)	4.2	(0-42)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Nitrophenol	69	(64 - 116)			SW846 8270C
	71	(64 - 116)	3.6	(0-37)	SW846 8270C
4-Nitrophenol	**38 a**	**(47 - 134)**			**SW846 8270C**
	43 a	**(47 - 134)**	**12**	**(0-26)**	**SW846 8270C**
N-Nitrosodimethylamine	49	(46 - 105)			SW846 8270C
	51	(46 - 105)	3.2	(0-40)	SW846 8270C
N-Nitrosodiphenylamine	78	(52 - 122)			SW846 8270C
	79	(52 - 122)	2.2	(0-35)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**60**	**(44 - 119)**			**SW846 8270C**
	63	**(44 - 119)**	**4.5**	**(0-38)**	**SW846 8270C**
Pentachlorophenol	**60 a**	**(63 - 123)**			**SW846 8270C**
	63	**(63 - 123)**	**4.4**	**(0-26)**	**SW846 8270C**
Phenanthrene	71	(65 - 121)			SW846 8270C
	74	(65 - 121)	3.8	(0-32)	SW846 8270C
Phenol	**46 a**	**(58 - 114)**			**SW846 8270C**
	49 a	**(58 - 114)**	**5.5**	**(0-36)**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	56	(15 - 147)			SW846 8270C
	56	(15 - 147)	1.6	(0-45)	SW846 8270C
Pyrene	**78**	**(60 - 122)**			**SW846 8270C**
	82	**(60 - 122)**	**5.4**	**(0-34)**	**SW846 8270C**
Pyridine	28 a	(46 - 105)			SW846 8270C
	39 a	(46 - 105)	32	(0-41)	SW846 8270C
1,2,4-Trichloro-benzene	**65**	**(59 - 111)**			**SW846 8270C**
	66	**(59 - 111)**	**1.7**	**(0-33)**	**SW846 8270C**
2,4,5-Trichloro-phenol	66 a	(68 - 117)			SW846 8270C
	71	(68 - 117)	8.5	(0-36)	SW846 8270C
2,4,6-Trichloro-phenol	64	(64 - 117)			SW846 8270C
	67	(64 - 117)	4.6	(0-35)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(19 - 100)
	45	(19 - 100)
Phenol-d5	43	(15 - 124)
	44	(15 - 124)
Nitrobenzene-d5	56	(35 - 122)
	58	(35 - 122)
2-Fluorobiphenyl	68	(34 - 115)
	71	(34 - 115)
2,4,6-Tribromophenol	60	(33 - 130)
	59	(33 - 130)
Terphenyl-d14	68	(28 - 132)
	71	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**66.5**	**ug**	**66**		**SW846 8270C**
	100	**70.3**	**ug**	**70**	**5.6**	**SW846 8270C**
Acenaphthylene	100	66.7	ug	67		SW846 8270C
	100	70.4	ug	70	5.4	SW846 8270C
Aniline	100	38.3	ug	38		SW846 8270C
	100	44.7	ug	45	15	SW846 8270C
Anthracene	100	68.7	ug	69		SW846 8270C
	100	70.9	ug	71	3.2	SW846 8270C
Benzo(a)anthracene	100	70.0	ug	70		SW846 8270C
	100	73.2	ug	73	4.5	SW846 8270C
Benzo(b)fluoranthene	100	64.1	ug	64		SW846 8270C
	100	66.8	ug	67	4.1	SW846 8270C
Benzo(k)fluoranthene	100	73.3	ug	73		SW846 8270C
	100	77.3	ug	77	5.3	SW846 8270C
Benzoic acid	100		ug	0.0		SW846 8270C
	100		ug	0.0	0.0	SW846 8270C
Benzo(ghi)perylene	100	66.2	ug	66		SW846 8270C
	100	70.3	ug	70	6.0	SW846 8270C
Benzo(a)pyrene	100	68.7	ug	69		SW846 8270C
	100	71.4	ug	71	3.8	SW846 8270C
Benzyl alcohol	100	51.5	ug	52		SW846 8270C
	100	50.8	ug	51	1.4	SW846 8270C
bis(2-Chloroethoxy) methane	100	56.0 a	ug	56		SW846 8270C
	100	57.4	ug	57	2.5	SW846 8270C
bis(2-Chloroethyl)-ether	100	60.8	ug	61		SW846 8270C
	100	61.9	ug	62	1.8	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	71.1	ug	71		SW846 8270C
	100	75.2	ug	75	5.6	SW846 8270C
4-Bromophenyl phenyl ether	100	75.9	ug	76		SW846 8270C
	100	78.6	ug	79	3.5	SW846 8270C
Butyl benzyl phthalate	100	66.4	ug	66		SW846 8270C
	100	69.8	ug	70	5.0	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbazole	100	66.7	ug	67		SW846 8270C
	100	68.9	ug	69	3.2	SW846 8270C
4-Chloroaniline	100	49.9	ug	50		SW846 8270C
	100	52.0	ug	52	4.1	SW846 8270C
4-Chloro-3-methylphenol	**100**	**58.8 a**	**ug**	**59**		**SW846 8270C**
	100	**60.2 a**	**ug**	**60**	**2.4**	**SW846 8270C**
2-Chloronaphthalene	100	64.3 a	ug	64		SW846 8270C
	100	66.4	ug	66	3.2	SW846 8270C
2-Chlorophenol	**100**	**62.8**	**ug**	**63**		**SW846 8270C**
	100	**62.5**	**ug**	**62**	**0.47**	**SW846 8270C**
4-Chlorophenyl phenyl ether	100	71.4	ug	71		SW846 8270C
	100	76.0	ug	76	6.2	SW846 8270C
Chrysene	100	73.0	ug	73		SW846 8270C
	100	76.3	ug	76	4.4	SW846 8270C
Dibenz(a,h)anthracene	100	64.3	ug	64		SW846 8270C
	100	66.9	ug	67	4.0	SW846 8270C
Dibenzofuran	100	70.0	ug	70		SW846 8270C
	100	74.1	ug	74	5.7	SW846 8270C
Di-n-butyl phthalate	100	67.4	ug	67		SW846 8270C
	100	71.9	ug	72	6.5	SW846 8270C
1,2-Dichlorobenzene	100	64.6	ug	65		SW846 8270C
	100	66.7	ug	67	3.2	SW846 8270C
1,3-Dichlorobenzene	100	63.3	ug	63		SW846 8270C
	100	65.3	ug	65	3.1	SW846 8270C
1,4-Dichlorobenzene	**100**	**63.5**	**ug**	**64**		**SW846 8270C**
	100	**66.9**	**ug**	**67**	**5.2**	**SW846 8270C**
3,3'-Dichlorobenzidine	100	43.6	ug	44		SW846 8270C
	100	41.2	ug	41	5.7	SW846 8270C
2,4-Dichlorophenol	100	63.4	ug	63		SW846 8270C
	100	67.0	ug	67	5.5	SW846 8270C
Diethyl phthalate	100	65.0	ug	65		SW846 8270C
	100	69.1	ug	69	6.1	SW846 8270C
2,4-Dimethylphenol	100	19.7	ug	20		SW846 8270C
	100	10.2 a,p	ug	10	64	SW846 8270C
Dimethyl phthalate	100	66.2	ug	66		SW846 8270C
	100	71.1	ug	71	7.1	SW846 8270C
4,6-Dinitro-2-methylphenol	100	69.3	ug	69		SW846 8270C
	100	75.3	ug	75	8.3	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-Dinitrophenol	100	54.7	ug	55		SW846 8270C
	100	49.8	ug	50	9.4	SW846 8270C
2,4-Dinitrotoluene	**100**	**72.3**	**ug**	**72**		**SW846 8270C**
	100	**77.6**	**ug**	**78**	**7.1**	**SW846 8270C**
2,6-Dinitrotoluene	100	71.8	ug	72		SW846 8270C
	100	77.2	ug	77	7.2	SW846 8270C
Di-n-octyl phthalate	100	68.3	ug	68		SW846 8270C
	100	73.2	ug	73	6.9	SW846 8270C
1,2-Diphenylhydrazine	100	57.2	ug	57		SW846 8270C
	100	60.4	ug	60	5.4	SW846 8270C
Fluoranthene	100	75.6	ug	76		SW846 8270C
	100	79.5	ug	80	5.0	SW846 8270C
Fluorene	100	69.9	ug	70		SW846 8270C
	100	73.8	ug	74	5.4	SW846 8270C
Hexachlorobenzene	100	60.8 a	ug	61		SW846 8270C
	100	64.8	ug	65	6.4	SW846 8270C
Hexachlorobutadiene	100	54.2	ug	54		SW846 8270C
	100	55.8	ug	56	2.9	SW846 8270C
Hexachlorocyclopenta-diene	100	37.0	ug	37		SW846 8270C
	100	40.5	ug	40	9.0	SW846 8270C
Hexachloroethane	100	55.8	ug	56		SW846 8270C
	100	58.4	ug	58	4.6	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	66.2	ug	66		SW846 8270C
	100	67.1	ug	67	1.4	SW846 8270C
Isophorone	100	59.0 a	ug	59		SW846 8270C
	100	60.1	ug	60	1.8	SW846 8270C
2-Methylnaphthalene	100	71.4	ug	71		SW846 8270C
	100	72.7	ug	73	1.8	SW846 8270C
2-Methylphenol	100	55.9	ug	56		SW846 8270C
	100	52.8 a	ug	53	5.7	SW846 8270C
Naphthalene	100	62.0	ug	62		SW846 8270C
	100	64.6	ug	65	4.1	SW846 8270C
2-Nitroaniline	100	56.2	ug	56		SW846 8270C
	100	60.0	ug	60	6.5	SW846 8270C
3-Nitroaniline	100	60.5	ug	60		SW846 8270C
	100	64.2	ug	64	5.9	SW846 8270C
4-Nitroaniline	100	58.5	ug	58		SW846 8270C
	100	59.7	ug	60	2.0	SW846 8270C
Nitrobenzene	100	56.5 a	ug	56		SW846 8270C
	100	58.9	ug	59	4.2	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Nitrophenol	100	68.7	ug	69		SW846 8270C
	100	71.2	ug	71	3.6	SW846 8270C
4-Nitrophenol	**100**	**38.1 a**	**ug**	**38**		**SW846 8270C**
	100	**42.8 a**	**ug**	**43**	**12**	**SW846 8270C**
N-Nitrosodimethylamine	100	49.0	ug	49		SW846 8270C
	100	50.6	ug	51	3.2	SW846 8270C
N-Nitrosodiphenylamine	100	77.6	ug	78		SW846 8270C
	100	79.3	ug	79	2.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	**100**	**60.5**	**ug**	**60**		**SW846 8270C**
	100	**63.3**	**ug**	**63**	**4.5**	**SW846 8270C**
Pentachlorophenol	**100**	**59.9 a**	**ug**	**60**		**SW846 8270C**
	100	**62.6**	**ug**	**63**	**4.4**	**SW846 8270C**
Phenanthrene	100	71.4	ug	71		SW846 8270C
	100	74.2	ug	74	3.8	SW846 8270C
Phenol	**100**	**46.3 a**	**ug**	**46**		**SW846 8270C**
	100	**48.9 a**	**ug**	**49**	**5.5**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	100	55.5	ug	56		SW846 8270C
	100	56.4	ug	56	1.6	SW846 8270C
Pyrene	**100**	**77.7**	**ug**	**78**		**SW846 8270C**
	100	**82.0**	**ug**	**82**	**5.4**	**SW846 8270C**
Pyridine	100	27.9 a	ug	28		SW846 8270C
	100	38.7 a	ug	39	32	SW846 8270C
1,2,4-Trichloro-benzene	**100**	**65.4**	**ug**	**65**		**SW846 8270C**
	100	**66.5**	**ug**	**66**	**1.7**	**SW846 8270C**
2,4,5-Trichloro-phenol	100	65.5 a	ug	66		SW846 8270C
	100	71.3	ug	71	8.5	SW846 8270C
2,4,6-Trichloro-phenol	100	64.4	ug	64		SW846 8270C
	100	67.4	ug	67	4.6	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(19 - 100)
	45	(19 - 100)
Phenol-d5	43	(15 - 124)
	44	(15 - 124)
Nitrobenzene-d5	56	(35 - 122)
	58	(35 - 122)
2-Fluorobiphenyl	68	(34 - 115)
	71	(34 - 115)
2,4,6-Tribromophenol	60	(33 - 130)
	59	(33 - 130)
Terphenyl-d14	68	(28 - 132)
	71	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Sample Data Summary

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC Semivolatiles

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

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

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

STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC Semivolatiles

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

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

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AA **Matrix.....:** AIR
MB Lot-Sample #: H6D050000-224

Prep Date.....: 04/05/06
Analysis Date..: 04/19/06 **Prep Batch #...:** 6095224
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug	SW846 8081A
alpha-BHC	ND	0.050	ug	SW846 8081A
beta-BHC	ND	0.10	ug	SW846 8081A
delta-BHC	ND	0.050	ug	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug	SW846 8081A
alpha-Chlordane	ND	0.050	ug	SW846 8081A
gamma-Chlordane	ND	0.050	ug	SW846 8081A
Chlorobenzilate	ND	0.20	ug	SW846 8081A
4,4'-DDD	ND	0.20	ug	SW846 8081A
4,4'-DDE	ND	0.050	ug	SW846 8081A
4,4'-DDT	ND	0.050	ug	SW846 8081A
Diallate	ND	1.0	ug	SW846 8081A
Dieldrin	ND	0.050	ug	SW846 8081A
Endosulfan I	ND	0.050	ug	SW846 8081A
Endosulfan II	ND	0.050	ug	SW846 8081A
Endosulfan sulfate	ND	0.050	ug	SW846 8081A
Endrin	ND	0.10	ug	SW846 8081A
Endrin aldehyde	**0.010 J**	**0.050**	**ug**	**SW846 8081A**
Endrin ketone	ND	0.050	ug	SW846 8081A
Heptachlor	ND	0.050	ug	SW846 8081A
Heptachlor epoxide	ND	0.050	ug	SW846 8081A
Methoxychlor	ND	0.050	ug	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(34 - 144)
Decachlorobiphenyl	31	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**98**	**(60 - 140)**			**SW846 8081A**
	90	**(60 - 140)**	**8.8**	**(0-45)**	**SW846 8081A**
alpha-BHC	107	(60 - 140)			SW846 8081A
	101	(60 - 140)	6.2	(0-48)	SW846 8081A
beta-BHC	107	(60 - 140)			SW846 8081A
	101	(60 - 140)	6.0	(0-47)	SW846 8081A
delta-BHC	114	(60 - 140)			SW846 8081A
	108	(60 - 140)	6.1	(0-45)	SW846 8081A
gamma-BHC (Lindane)	**110**	**(60 - 140)**			**SW846 8081A**
	104	**(60 - 140)**	**5.6**	**(0-44)**	**SW846 8081A**
alpha-Chlordane	102	(60 - 140)			SW846 8081A
	93	(60 - 140)	9.3	(0-47)	SW846 8081A
gamma-Chlordane	104	(60 - 140)			SW846 8081A
	98	(60 - 140)	6.3	(0-37)	SW846 8081A
4,4'-DDD	107	(60 - 140)			SW846 8081A
	98	(60 - 140)	8.3	(0-45)	SW846 8081A
4,4'-DDE	112	(60 - 140)			SW846 8081A
	103	(60 - 140)	8.5	(0-44)	SW846 8081A
4,4'-DDT	**108**	**(60 - 140)**			**SW846 8081A**
	100	**(60 - 140)**	**8.1**	**(0-45)**	**SW846 8081A**
Dieldrin	**103**	**(60 - 140)**			**SW846 8081A**
	96	**(60 - 140)**	**7.2**	**(0-43)**	**SW846 8081A**
Endosulfan I	105	(60 - 140)			SW846 8081A
	97	(60 - 140)	7.4	(0-44)	SW846 8081A
Endosulfan II	106	(60 - 140)			SW846 8081A
	98	(60 - 140)	7.4	(0-48)	SW846 8081A
Endosulfan sulfate	100	(60 - 140)			SW846 8081A
	94	(60 - 140)	6.2	(0-45)	SW846 8081A
Endrin	**110**	**(60 - 140)**			**SW846 8081A**
	100	**(60 - 140)**	**9.4**	**(0-49)**	**SW846 8081A**
Endrin aldehyde	98	(60 - 140)			SW846 8081A
	90	(60 - 140)	8.6	(0-49)	SW846 8081A
Endrin ketone	96	(60 - 140)			SW846 8081A
	91	(60 - 140)	4.8	(0-50)	SW846 8081A
Heptachlor	**106**	**(60 - 140)**			**SW846 8081A**
	97	**(60 - 140)**	**8.6**	**(0-45)**	**SW846 8081A**
Heptachlor epoxide	104	(60 - 140)			SW846 8081A
	96	(60 - 140)	7.9	(0-44)	SW846 8081A
Methoxychlor	121	(60 - 140)			SW846 8081A
	113	(60 - 140)	6.9	(0-48)	SW846 8081A

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(34 - 144)
	83	(34 - 144)
Decachlorobiphenyl	75	(30 - 126)
	44	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.489**	**ug**	**98**		**SW846 8081A**
	0.500	**0.448**	**ug**	**90**	**8.8**	**SW846 8081A**
alpha-BHC	0.500	0.535	ug	107		SW846 8081A
	0.500	0.503	ug	101	6.2	SW846 8081A
beta-BHC	0.500	0.536	ug	107		SW846 8081A
	0.500	0.505	ug	101	6.0	SW846 8081A
delta-BHC	0.500	0.572	ug	114		SW846 8081A
	0.500	0.538	ug	108	6.1	SW846 8081A
gamma-BHC (Lindane)	**0.500**	**0.551**	**ug**	**110**		**SW846 8081A**
	0.500	**0.521**	**ug**	**104**	**5.6**	**SW846 8081A**
alpha-Chlordane	0.500	0.512	ug	102		SW846 8081A
	0.500	0.466	ug	93	9.3	SW846 8081A
gamma-Chlordane	0.500	0.522	ug	104		SW846 8081A
	0.500	0.490	ug	98	6.3	SW846 8081A
4,4'-DDD	0.500	0.534	ug	107		SW846 8081A
	0.500	0.491	ug	98	8.3	SW846 8081A
4,4'-DDE	0.500	0.562	ug	112		SW846 8081A
	0.500	0.516	ug	103	8.5	SW846 8081A
4,4'-DDT	**0.500**	**0.542**	**ug**	**108**		**SW846 8081A**
	0.500	**0.499**	**ug**	**100**	**8.1**	**SW846 8081A**
Dieldrin	**0.500**	**0.515**	**ug**	**103**		**SW846 8081A**
	0.500	**0.479**	**ug**	**96**	**7.2**	**SW846 8081A**
Endosulfan I	0.500	0.523	ug	105		SW846 8081A
	0.500	0.486	ug	97	7.4	SW846 8081A
Endosulfan II	0.500	0.530	ug	106		SW846 8081A
	0.500	0.492	ug	98	7.4	SW846 8081A
Endosulfan sulfate	0.500	0.502	ug	100		SW846 8081A
	0.500	0.472	ug	94	6.2	SW846 8081A
Endrin	**0.500**	**0.550**	**ug**	**110**		**SW846 8081A**
	0.500	**0.500**	**ug**	**100**	**9.4**	**SW846 8081A**
Endrin aldehyde	0.500	0.489	ug	98		SW846 8081A
	0.500	0.448	ug	90	8.6	SW846 8081A
Endrin ketone	0.500	0.478	ug	96		SW846 8081A
	0.500	0.456	ug	91	4.8	SW846 8081A
Heptachlor	**0.500**	**0.528**	**ug**	**106**		**SW846 8081A**
	0.500	**0.485**	**ug**	**97**	**8.6**	**SW846 8081A**
Heptachlor epoxide	0.500	0.521	ug	104		SW846 8081A
	0.500	0.481	ug	96	7.9	SW846 8081A
Methoxychlor	0.500	0.603	ug	121		SW846 8081A
	0.500	0.563	ug	113	6.9	SW846 8081A

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LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(34 - 144)
	83	(34 - 144)
Decachlorobiphenyl	75	(30 - 126)
	44	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-186

Prep Date.....: 04/06/06
Analysis Date..: 04/19/06 **Prep Batch #...:** 6096186
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.20	ug	SW846 8081A
alpha-BHC	ND	0.10	ug	SW846 8081A
beta-BHC	ND	0.10	ug	SW846 8081A
delta-BHC	ND	0.050	ug	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug	SW846 8081A
alpha-Chlordane	ND	0.050	ug	SW846 8081A
gamma-Chlordane	ND	0.30	ug	SW846 8081A
Chlorobenzilate	ND	0.40	ug	SW846 8081A
4,4'-DDD	ND	0.30	ug	SW846 8081A
4,4'-DDE	ND	0.20	ug	SW846 8081A
4,4'-DDT	ND	0.10	ug	SW846 8081A
Diallate	ND	30	ug	SW846 8081A
Dieldrin	ND	0.050	ug	SW846 8081A
Endosulfan I	ND	0.050	ug	SW846 8081A
Endosulfan II	ND	0.050	ug	SW846 8081A
Endosulfan sulfate	ND	0.10	ug	SW846 8081A
Endrin	ND	0.40	ug	SW846 8081A
Endrin aldehyde	ND	0.10	ug	SW846 8081A
Endrin ketone	ND	0.050	ug	SW846 8081A
Heptachlor	**0.027 J,COL**	**0.050**	**ug**	**SW846 8081A**
Heptachlor epoxide	ND	0.050	ug	SW846 8081A
Methoxychlor	ND	0.10	ug	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(34 - 144)
Decachlorobiphenyl	97	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**117**	**(60 - 140)**			**SW846 8081A**
	105	**(60 - 140)**	**11**	**(0-45)**	**SW846 8081A**
alpha-BHC	130	(60 - 140)			SW846 8081A
	119	(60 - 140)	8.7	(0-48)	SW846 8081A
beta-BHC	130	(60 - 140)			SW846 8081A
	116	(60 - 140)	11	(0-47)	SW846 8081A
delta-BHC	138	(60 - 140)			SW846 8081A
	123	(60 - 140)	12	(0-45)	SW846 8081A
gamma-BHC (Lindane)	**136**	**(60 - 140)**			**SW846 8081A**
	122	**(60 - 140)**	**10**	**(0-44)**	**SW846 8081A**
alpha-Chlordane	122	(60 - 140)			SW846 8081A
	110	(60 - 140)	11	(0-47)	SW846 8081A
gamma-Chlordane	126	(60 - 140)			SW846 8081A
	115	(60 - 140)	9.9	(0-37)	SW846 8081A
4,4'-DDD	125	(60 - 140)			SW846 8081A
	114	(60 - 140)	9.4	(0-45)	SW846 8081A
4,4'-DDE	136	(60 - 140)			SW846 8081A
	121	(60 - 140)	12	(0-44)	SW846 8081A
4,4'-DDT	**125**	**(60 - 140)**			**SW846 8081A**
	112	**(60 - 140)**	**11**	**(0-45)**	**SW846 8081A**
Dieldrin	**126**	**(60 - 140)**			**SW846 8081A**
	114	**(60 - 140)**	**10**	**(0-43)**	**SW846 8081A**
Endosulfan I	126	(60 - 140)			SW846 8081A
	113	(60 - 140)	11	(0-44)	SW846 8081A
Endosulfan II	124	(60 - 140)			SW846 8081A
	114	(60 - 140)	9.1	(0-48)	SW846 8081A
Endosulfan sulfate	110	(60 - 140)			SW846 8081A
	98	(60 - 140)	12	(0-45)	SW846 8081A
Endrin	**125**	**(60 - 140)**			**SW846 8081A**
	117	**(60 - 140)**	**6.3**	**(0-49)**	**SW846 8081A**
Endrin aldehyde	100	(60 - 140)			SW846 8081A
	89	(60 - 140)	12	(0-49)	SW846 8081A
Endrin ketone	114	(60 - 140)			SW846 8081A
	103	(60 - 140)	10	(0-50)	SW846 8081A
Heptachlor	**122**	**(60 - 140)**			**SW846 8081A**
	110	**(60 - 140)**	**9.8**	**(0-45)**	**SW846 8081A**
Heptachlor epoxide	126	(60 - 140)			SW846 8081A
	114	(60 - 140)	10	(0-44)	SW846 8081A
Methoxychlor	138	(60 - 140)			SW846 8081A
	124	(60 - 140)	11	(0-48)	SW846 8081A

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(34 - 144)
	96	(34 - 144)
Decachlorobiphenyl	114	(30 - 126)
	103	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.586**	**ug**	**117**		**SW846 8081A**
	0.500	**0.527**	**ug**	**105**	**11**	**SW846 8081A**
alpha-BHC	0.500	0.651	ug	130		SW846 8081A
	0.500	0.597	ug	119	8.7	SW846 8081A
beta-BHC	0.500	0.648	ug	130		SW846 8081A
	0.500	0.581	ug	116	11	SW846 8081A
delta-BHC	0.500	0.692	ug	138		SW846 8081A
	0.500	0.614	ug	123	12	SW846 8081A
gamma-BHC (Lindane)	**0.500**	**0.680**	**ug**	**136**		**SW846 8081A**
	0.500	**0.612**	**ug**	**122**	**10**	**SW846 8081A**
alpha-Chlordane	0.500	0.612	ug	122		SW846 8081A
	0.500	0.548	ug	110	11	SW846 8081A
gamma-Chlordane	0.500	0.632	ug	126		SW846 8081A
	0.500	0.573	ug	115	9.9	SW846 8081A
4,4'-DDD	0.500	0.625	ug	125		SW846 8081A
	0.500	0.569	ug	114	9.4	SW846 8081A
4,4'-DDE	0.500	0.680	ug	136		SW846 8081A
	0.500	0.604	ug	121	12	SW846 8081A
4,4'-DDT	**0.500**	**0.623**	**ug**	**125**		**SW846 8081A**
	0.500	**0.558**	**ug**	**112**	**11**	**SW846 8081A**
Dieldrin	**0.500**	**0.628**	**ug**	**126**		**SW846 8081A**
	0.500	**0.568**	**ug**	**114**	**10**	**SW846 8081A**
Endosulfan I	0.500	0.632	ug	126		SW846 8081A
	0.500	0.566	ug	113	11	SW846 8081A
Endosulfan II	0.500	0.622	ug	124		SW846 8081A
	0.500	0.568	ug	114	9.1	SW846 8081A
Endosulfan sulfate	0.500	0.551	ug	110		SW846 8081A
	0.500	0.491	ug	98	12	SW846 8081A
Endrin	**0.500**	**0.623**	**ug**	**125**		**SW846 8081A**
	0.500	**0.585**	**ug**	**117**	**6.3**	**SW846 8081A**
Endrin aldehyde	0.500	0.499	ug	100		SW846 8081A
	0.500	0.444	ug	89	12	SW846 8081A
Endrin ketone	0.500	0.571	ug	114		SW846 8081A
	0.500	0.515	ug	103	10	SW846 8081A
Heptachlor	**0.500**	**0.609**	**ug**	**122**		**SW846 8081A**
	0.500	**0.552**	**ug**	**110**	**9.8**	**SW846 8081A**
Heptachlor epoxide	0.500	0.631	ug	126		SW846 8081A
	0.500	0.568	ug	114	10	SW846 8081A
Methoxychlor	0.500	0.690	ug	138		SW846 8081A
	0.500	0.620	ug	124	11	SW846 8081A

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LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(34 - 144)
	96	(34 - 144)
Decachlorobiphenyl	114	(30 - 126)
	103	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-188

Prep Date.....: 04/06/06
Analysis Date..: 04/21/06 **Prep Batch #...:** 6096188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug	SW846 8081A
alpha-BHC	ND	0.10	ug	SW846 8081A
beta-BHC	ND	0.20	ug	SW846 8081A
delta-BHC	ND	0.10	ug	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug	SW846 8081A
alpha-Chlordane	ND	0.050	ug	SW846 8081A
gamma-Chlordane	ND	0.30	ug	SW846 8081A
Chlorobenzilate	ND	0.40	ug	SW846 8081A
4,4'-DDD	ND	0.30	ug	SW846 8081A
4,4'-DDE	ND	0.20	ug	SW846 8081A
4,4'-DDT	ND	0.10	ug	SW846 8081A
Diallate	ND	30	ug	SW846 8081A
Dieldrin	ND	0.050	ug	SW846 8081A
Endosulfan I	ND	0.10	ug	SW846 8081A
Endosulfan II	ND	0.10	ug	SW846 8081A
Endosulfan sulfate	ND	0.050	ug	SW846 8081A
Endrin	ND	0.40	ug	SW846 8081A
Endrin aldehyde	ND	0.10	ug	SW846 8081A
Endrin ketone	ND	0.050	ug	SW846 8081A
Heptachlor	ND	0.050	ug	SW846 8081A
Heptachlor epoxide	ND	0.050	ug	SW846 8081A
Methoxychlor	ND	0.40	ug	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(34 - 144)
Decachlorobiphenyl	100	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**88**	**(60 - 140)**			**SW846 8081A**
	100	**(60 - 140)**	**13**	**(0-45)**	**SW846 8081A**
alpha-BHC	97	(60 - 140)			SW846 8081A
	107	(60 - 140)	9.9	(0-48)	SW846 8081A
beta-BHC	98	(60 - 140)			SW846 8081A
	109	(60 - 140)	11	(0-47)	SW846 8081A
delta-BHC	102	(60 - 140)			SW846 8081A
	114	(60 - 140)	11	(0-45)	SW846 8081A
gamma-BHC (Lindane)	**99**	**(60 - 140)**			**SW846 8081A**
	111	**(60 - 140)**	**11**	**(0-44)**	**SW846 8081A**
alpha-Chlordane	94	(60 - 140)			SW846 8081A
	103	(60 - 140)	9.2	(0-47)	SW846 8081A
gamma-Chlordane	98	(60 - 140)			SW846 8081A
	110	(60 - 140)	11	(0-37)	SW846 8081A
4,4'-DDD	108	(60 - 140)			SW846 8081A
	121	(60 - 140)	12	(0-45)	SW846 8081A
4,4'-DDE	108	(60 - 140)			SW846 8081A
	122	(60 - 140)	12	(0-44)	SW846 8081A
4,4'-DDT	**108**	**(60 - 140)**			**SW846 8081A**
	125	**(60 - 140)**	**15**	**(0-45)**	**SW846 8081A**
Dieldrin	**98**	**(60 - 140)**			**SW846 8081A**
	110	**(60 - 140)**	**11**	**(0-43)**	**SW846 8081A**
Endosulfan I	98	(60 - 140)			SW846 8081A
	108	(60 - 140)	9.2	(0-44)	SW846 8081A
Endosulfan II	96	(60 - 140)			SW846 8081A
	107	(60 - 140)	11	(0-48)	SW846 8081A
Endosulfan sulfate	97	(60 - 140)			SW846 8081A
	110	(60 - 140)	12	(0-45)	SW846 8081A
Endrin	**104**	**(60 - 140)**			**SW846 8081A**
	118	**(60 - 140)**	**12**	**(0-49)**	**SW846 8081A**
Endrin aldehyde	78	(60 - 140)			SW846 8081A
	86	(60 - 140)	10	(0-49)	SW846 8081A
Endrin ketone	89	(60 - 140)			SW846 8081A
	99	(60 - 140)	11	(0-50)	SW846 8081A
Heptachlor	**96**	**(60 - 140)**			**SW846 8081A**
	113	**(60 - 140)**	**16**	**(0-45)**	**SW846 8081A**
Heptachlor epoxide	98	(60 - 140)			SW846 8081A
	109	(60 - 140)	10	(0-44)	SW846 8081A
Methoxychlor	101	(60 - 140)			SW846 8081A
	116	(60 - 140)	14	(0-48)	SW846 8081A

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(34 - 144)
	90	(34 - 144)
Decachlorobiphenyl	96	(30 - 126)
	108	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.442**	**ug**	**88**		**SW846 8081A**
	0.500	**0.501**	**ug**	**100**	**13**	**SW846 8081A**
alpha-BHC	0.500	0.486	ug	97		SW846 8081A
	0.500	0.536	ug	107	9.9	SW846 8081A
beta-BHC	0.500	0.490	ug	98		SW846 8081A
	0.500	0.545	ug	109	11	SW846 8081A
delta-BHC	0.500	0.512	ug	102		SW846 8081A
	0.500	0.570	ug	114	11	SW846 8081A
gamma-BHC (Lindane)	**0.500**	**0.497**	**ug**	**99**		**SW846 8081A**
	0.500	**0.557**	**ug**	**111**	**11**	**SW846 8081A**
alpha-Chlordane	0.500	0.471	ug	94		SW846 8081A
	0.500	0.516	ug	103	9.2	SW846 8081A
gamma-Chlordane	0.500	0.492	ug	98		SW846 8081A
	0.500	0.549	ug	110	11	SW846 8081A
4,4'-DDD	0.500	0.538	ug	108		SW846 8081A
	0.500	0.605	ug	121	12	SW846 8081A
4,4'-DDE	0.500	0.542	ug	108		SW846 8081A
	0.500	0.609	ug	122	12	SW846 8081A
4,4'-DDT	**0.500**	**0.538**	**ug**	**108**		**SW846 8081A**
	0.500	**0.626**	**ug**	**125**	**15**	**SW846 8081A**
Dieldrin	**0.500**	**0.492**	**ug**	**98**		**SW846 8081A**
	0.500	**0.548**	**ug**	**110**	**11**	**SW846 8081A**
Endosulfan I	0.500	0.492	ug	98		SW846 8081A
	0.500	0.539	ug	108	9.2	SW846 8081A
Endosulfan II	0.500	0.478	ug	96		SW846 8081A
	0.500	0.535	ug	107	11	SW846 8081A
Endosulfan sulfate	0.500	0.484	ug	97		SW846 8081A
	0.500	0.548	ug	110	12	SW846 8081A
Endrin	**0.500**	**0.522**	**ug**	**104**		**SW846 8081A**
	0.500	**0.588**	**ug**	**118**	**12**	**SW846 8081A**
Endrin aldehyde	0.500	0.389	ug	78		SW846 8081A
	0.500	0.432	ug	86	10	SW846 8081A
Endrin ketone	0.500	0.446	ug	89		SW846 8081A
	0.500	0.497	ug	99	11	SW846 8081A
Heptachlor	**0.500**	**0.479**	**ug**	**96**		**SW846 8081A**
	0.500	**0.563**	**ug**	**113**	**16**	**SW846 8081A**
Heptachlor epoxide	0.500	0.490	ug	98		SW846 8081A
	0.500	0.544	ug	109	10	SW846 8081A
Methoxychlor	0.500	0.506	ug	101		SW846 8081A
	0.500	0.580	ug	116	14	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(34 - 144)
	90	(34 - 144)
Decachlorobiphenyl	96	(30 - 126)
	108	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Receipt Documentation

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

STL Knoxville Lot Number: H6D030245
STL Knoxville Project Number: 142541

NOTE: After Log-In, please give the original completed RFA/COC to Patti Carswell.

Project Identification:	**Westates Carbon CPT**
STL Knoxville Project Number:	142541
STL Contact:	Ms. Patti Carswell (865) 291-3010
STL - ACS Project Manager:	Dr. William C. Anderson (865) 291-3080

Laboratory Deliverable Turnaround Requirements:	
Analytical Due Date: (Review-Released Data)	21 Days from Lab Receipt
Data Package Due Date:	21 Days from Lab Receipt
Laboratory Destination:	STL Knoxville 5815 Middlebrook Pike Knoxville, Tennessee 37921 (865) 291-3000
Courier:	Federal Express

Analytical Testing QC Requirements:
The Legend for Project-Specific Quality Control Testing is designated in the "QC" column as follows:
"MS" = Matrix Spike, "MSD" = Matrix Spike Duplicate,
"DUP" = Duplicate, and "PDS" = Post Digestion Spike

Project Deliverables:
Report analytical results on R-02 Reports and in data packages.
Include "Field Number", "Sample Type", and "Run Number" on all R-02 Reports.

Holding Time Requirements:

Semivolatile Organic Compounds (SVOCs) & Organochlorine Pesticides (OCPs)	14 Days from Sample Collection to Extraction. 40 Days from Extraction to Analysis.

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Requirements	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-2919-R1-MM5 Front Half Composite Train A *Combine with Sample No. G-2920*	3-28-06		Petri Dish	**Particulate Filter Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-2920 *Combine with Sample No.: G-2919*	3-28-06		250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.
G-2921-R1-MM5 Back Half Composite Train A *Combine with Sample No.: G-2922*	3-28-06		XAD-2 Resin Tube	**XAD-2 Resin Tube** **Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Require-ments	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-2922 *Combine with Sample No.: G-2921*	3-28-06		250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-2923-R1-MM5 Impinger Composite Train A *Combine with Sample No.: G-2924*	3-28-06		3 ~~2~~ X 1 Liter Amber Boston Round 3-30-06	**Condensate and Impinger Contents, Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-2924 *Combine with Sample No.: G-2923*	3-28-06		250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.
G-3017-R2-MM5 Front Half Composite Train A *Combine with Sample No. G-3018*	3-29-06		Petri Dish	**Particulate Filter Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3018 *Combine with Sample No.: G-3017*	3-29-06		250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.
G-3019-R2-MM5 Back Half Composite Train A *Combine with Sample No.: G-3020*	3-29-06		XAD-2 Resin Tube	**XAD-2 Resin Tube Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Requirements	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-3020 *Combine with Sample No.: G-3019*	3-29-06		250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-3021-R2-MM5 Impinger Composite Train A *Combine with Sample No.: G-3022*	3-29-06		3 ~~2~~ X 1 Liter Amber Boston Round Tw 3-30-06	**Condensate and Impinger Contents, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3022 *Combine with Sample No.: G-3021*	3-29-06		250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.
G-3023-R2-MM5 Front Half Composite BT A *Combine with Sample No. G-3024*	3-28-06	**Blank Train**	Petri Dish	**Particulate Filter Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3024 *Combine with Sample No.: G-3023*	3-28-06	**Blank Train**	250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.
G-3025-R2-MM5 Back Half Composite BT A *Combine with Sample No.: G-3026*	3-28-06	**Blank Train**	XAD-2 Resin Tube	**XAD-2 Resin Tube Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Require-ments	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-3026 *Combine with Sample No.: G-3025*	3-28-06	**Blank Train**	250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-3027-R2-MM5 Impinger Composite BT A *Combine with Sample No.: G-3028*	3-28-06	**Blank Train**	1 ~~2~~ X 1 Liter Amber Boston Round TW 3-30-06	**Condensate and Impinger Contents, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3028 *Combine with Sample No.: G-3027*	3-28-06	**Blank Train**	250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.
G-3029-R2-MM-5 Train A XAD-2 Trip/RB	3-30-06	**Trip/ Reagent Blank**	XAD-2 Resin Tube	**XAD-2 Resin Tube Trip/Reagent Blank Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Soxhlet extract this sample using Methylene Chloride. Reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3103-R3-MM5 Front Half Composite Train A *Combine with Sample No. G-3104*	3-30-06		Petri Dish	**Particulate Filter Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3104 *Combine with Sample No.: G-3103*	3-30-06		250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Require-ments	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-3105-R3-MM5 Back Half Composite Train A *Combine with Sample No.: G-3106*	3-30-06		XAD-2 Resin Tube	**XAD-2 Resin Tube Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3106 *Combine with Sample No.: G-3105*	3-30-06		250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-3107-R3-MM5 Impinger Composite Train A *Combine with Sample No.: G-3108*	3-30-06		3 X 1 Liter Amber Boston Round TW 3-30-06	**Condensate and Impinger Contents, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3108 *Combine with Sample No.: G-3107*	3-30-06		250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

H6D 030245

Sample Receipt Log and Condition of the Samples Upon Receipt:

Please fill in the following information:	Comments (Please write "NONE" if no comment applicable)
(1) Record the identities of any samples that were listed on the RFA but were not found in the sample shipment.	N/A
(2) Record the sample shipping cooler temperature of all coolers transporting samples listed on this RFA:	5.0°C
(3) Record any apparent sample loss/breakage.	N/A
(4) Record any unidentified samples transported with this shipment of samples:	N/A
(5) Indicate if all samples were received according to the project's required specifications (i.e. no nonconformances):	N/A

Custody Transfer:

Hand delivered

	Name	Company	Date/Time
Relinquished By:			
Accepted By:	[signature]	STL-Knoxville	4/2/06 1625
Relinquished By:			
Accepted By:			
Relinquished By:			
Accepted By:			
Relinquished By:			
Accepted By:			

STL KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: Focus **Project:** ~~St~~ Westgates Carbon **Lot Number:** HWD030245

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	14A (COC was not relinquished (signed, dated, or time)
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☑ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other: Hand delivered	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)		✓		☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?			✓		

Quote #: 6835 PM Instructions: _____

Sample Receiving Associate: [signature] Date: 4/3/06

QA026R18.doc, 1/30/06

Semi-Volatiles

Raw Sample Data

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Lab Smp Id: H2H3J1AA Client Smp ID: G-2919/2920-R1-MM5
Inj Date : 28-APR-2006 15:21
Operator : 60841 Inst ID: md.i
Smp Info : H2H3J1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:40 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

050406

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	71475	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	241775	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	167698	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	304091	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	312773	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	295846	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	62044	12.4129	12.4(R)
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	69546	11.5347	11.5
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	52255	9.58813	9.59(R)
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	142896	12.9254	12.9(R)
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	44612	23.1367	23.1(R)
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	305330	20.0705	20.1(R)
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	2363	0.69852	~~0.698~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Report Date: 01-May-2006 13:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	65317	5.73311	5.73
184 Benzaldehyde	105	3.965	3.742	(0.953)	1155	0.35399	~~0.354~~
185 Benzonitrile	103	3.971	3.935	(0.955)	3015	0.41256	~~0.412~~

KRM 5/1/06

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3j1aa.d
Lab Smp Id: H2H3J1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-2919/2920-R1-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	71475	16.19
2 Naphthalene-d8	201763	100882	403526	241775	19.83
3 Acenaphthene-d10	143273	71636	286546	167698	17.05
4 Phenanthrene-d10	247023	123512	494046	304091	23.10
5 Chrysene-d12	265356	132678	530712	312773	17.87
6 Perylene-d12	233795	116898	467590	295846	26.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

RECOVERY REPORT

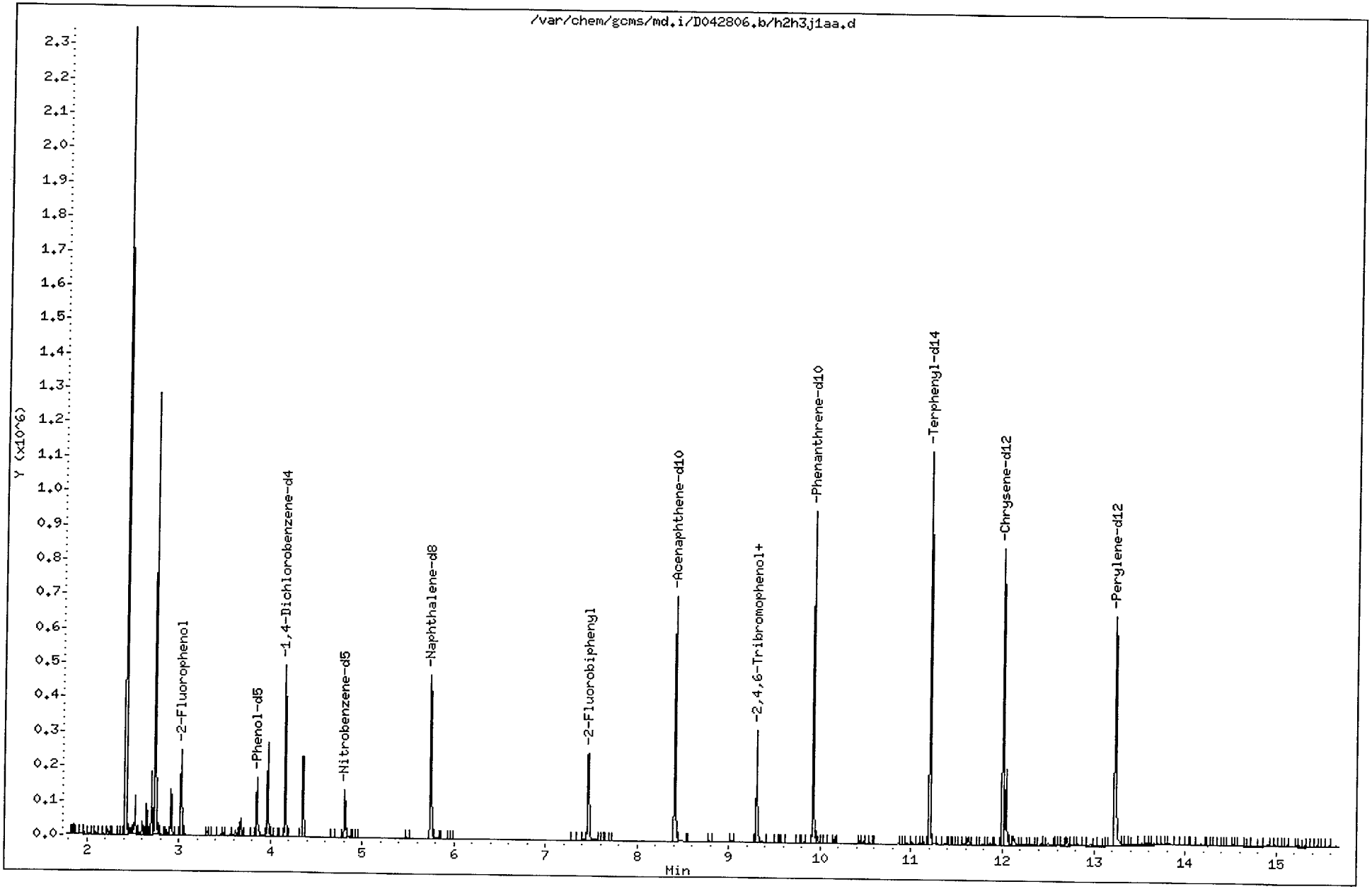
Client Name: STL Knoxville - ACS
Client SDG: H6D030245
Sample Matrix: GAS
Fraction: SV
Lab Smp Id: H2H3J1AA
Client Smp ID: G-2919/2920-R1-MM5
Level: LOW
Operator: 60841
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allspike.spk
Quant Type: ISTD
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	12.4	16.55*	19-100
$ 8 Phenol-d5	75.0	11.5	15.38	15-124
$ 9 Nitrobenzene-d5	50.0	9.59	19.18*	42-104
$ 10 2-Fluorobiphenyl	50.0	12.9	25.85*	51-103
$ 11 2,4,6-Tribromophen	75.0	23.1	30.85*	33-130
$ 12 Terphenyl-d14	50.0	20.1	40.14*	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Date : 28-APR-2006 15:21
Client ID: G-2919/2920-R1-MM5
Sample Info: H2H3J1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



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Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-MM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

Volume Injected (uL): 1.0

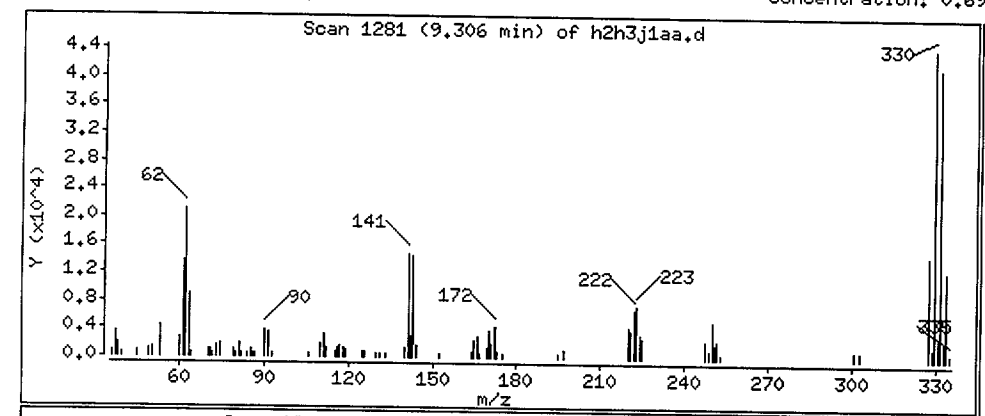
Operator: 60841

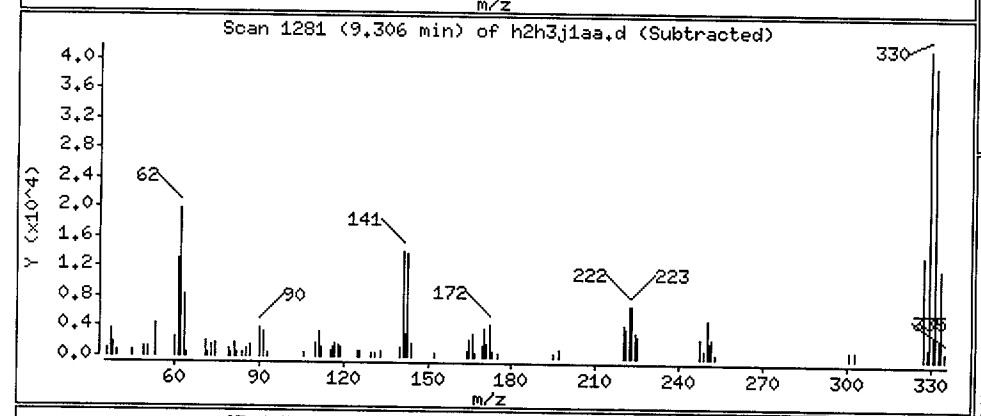
Column phase: ZB-5

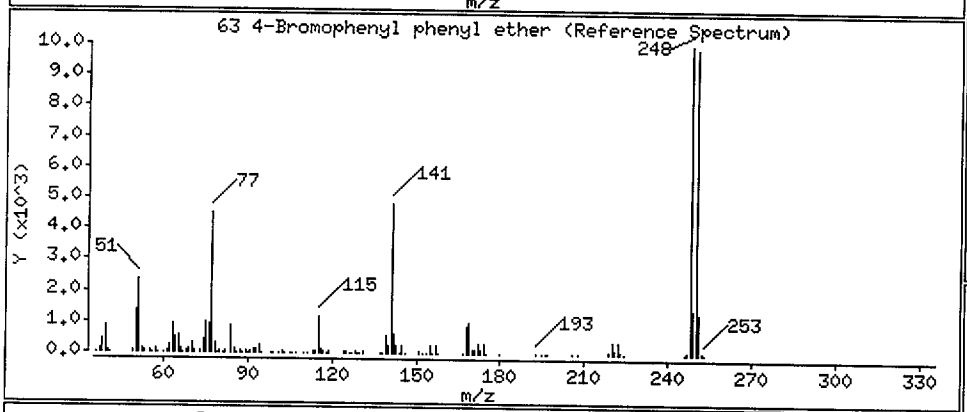
Column diameter: 0.25

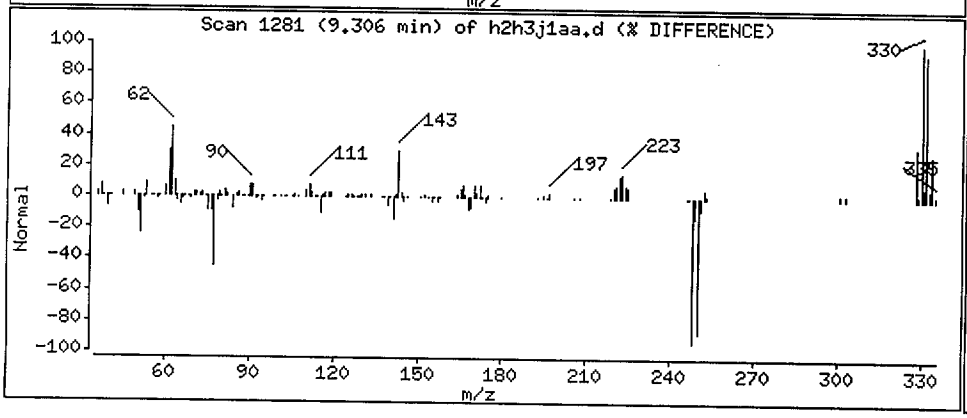
63 4-Bromophenyl phenyl ether

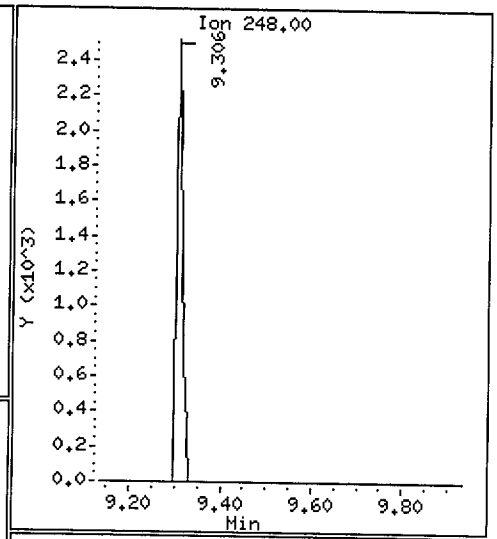
Concentration: 0.698 ug

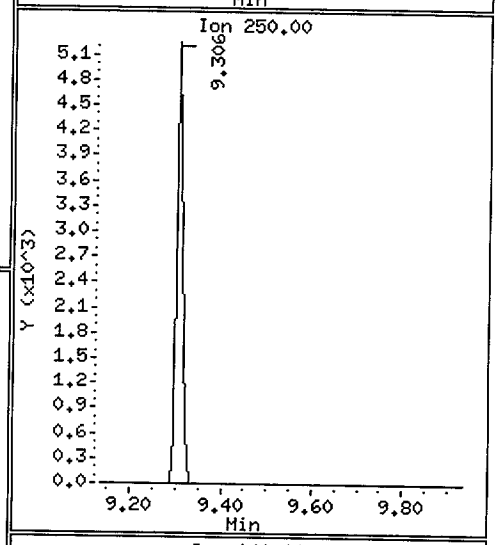


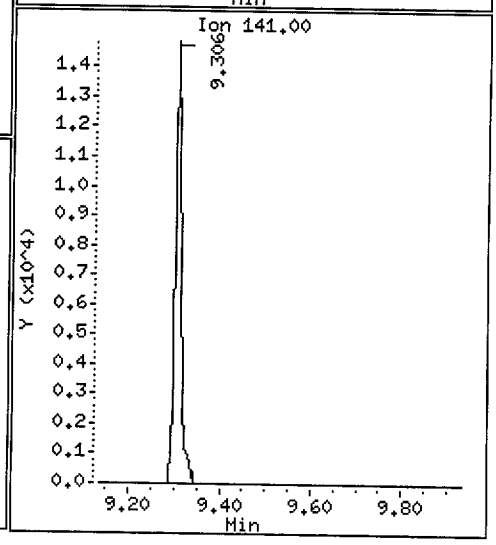












Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-MM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

Volume Injected (uL): 1.0

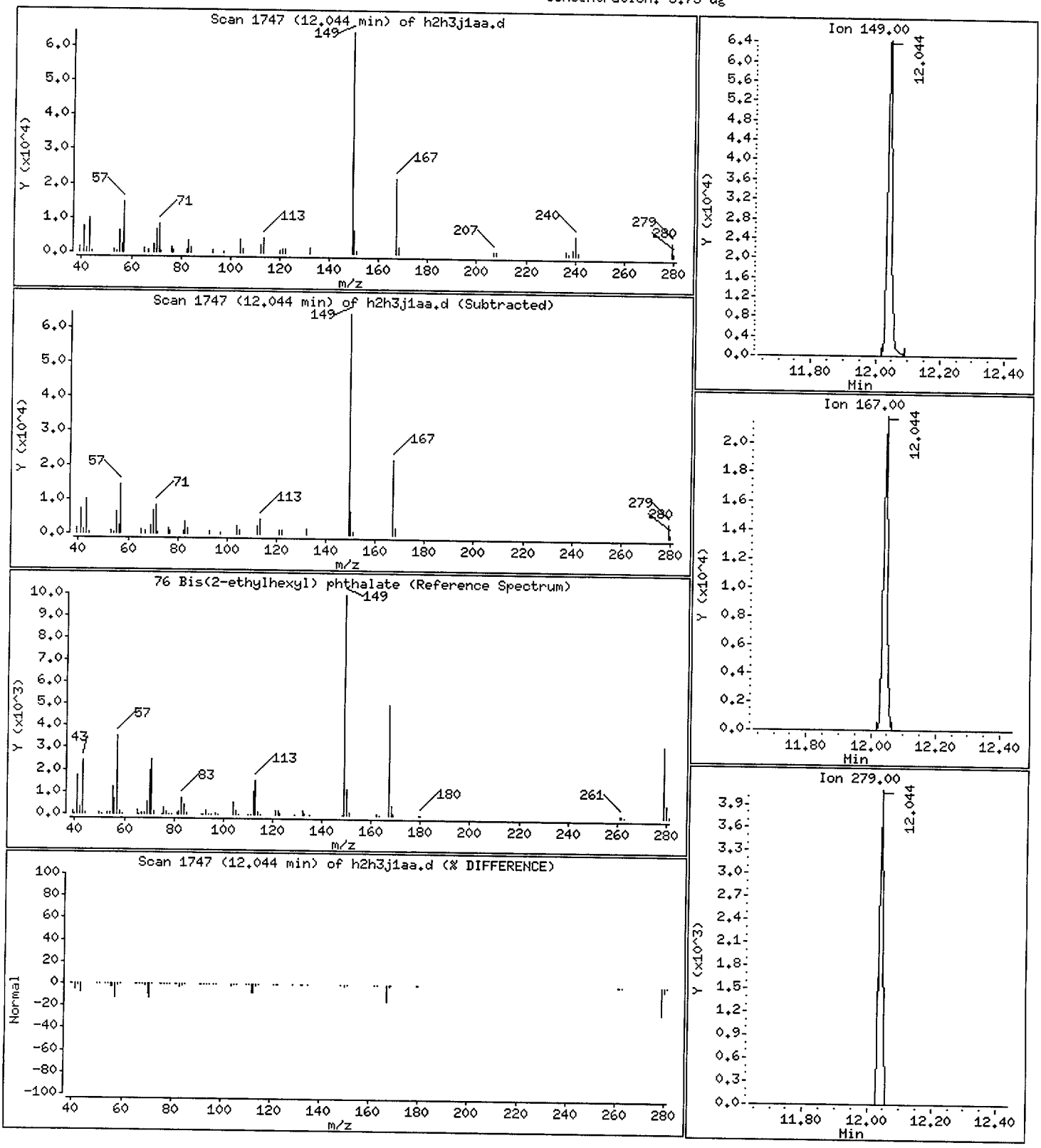
Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

76 Bis(2-ethylhexyl) phthalate

Concentration: 5.73 ug



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Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-MM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

Volume Injected (uL): 1.0

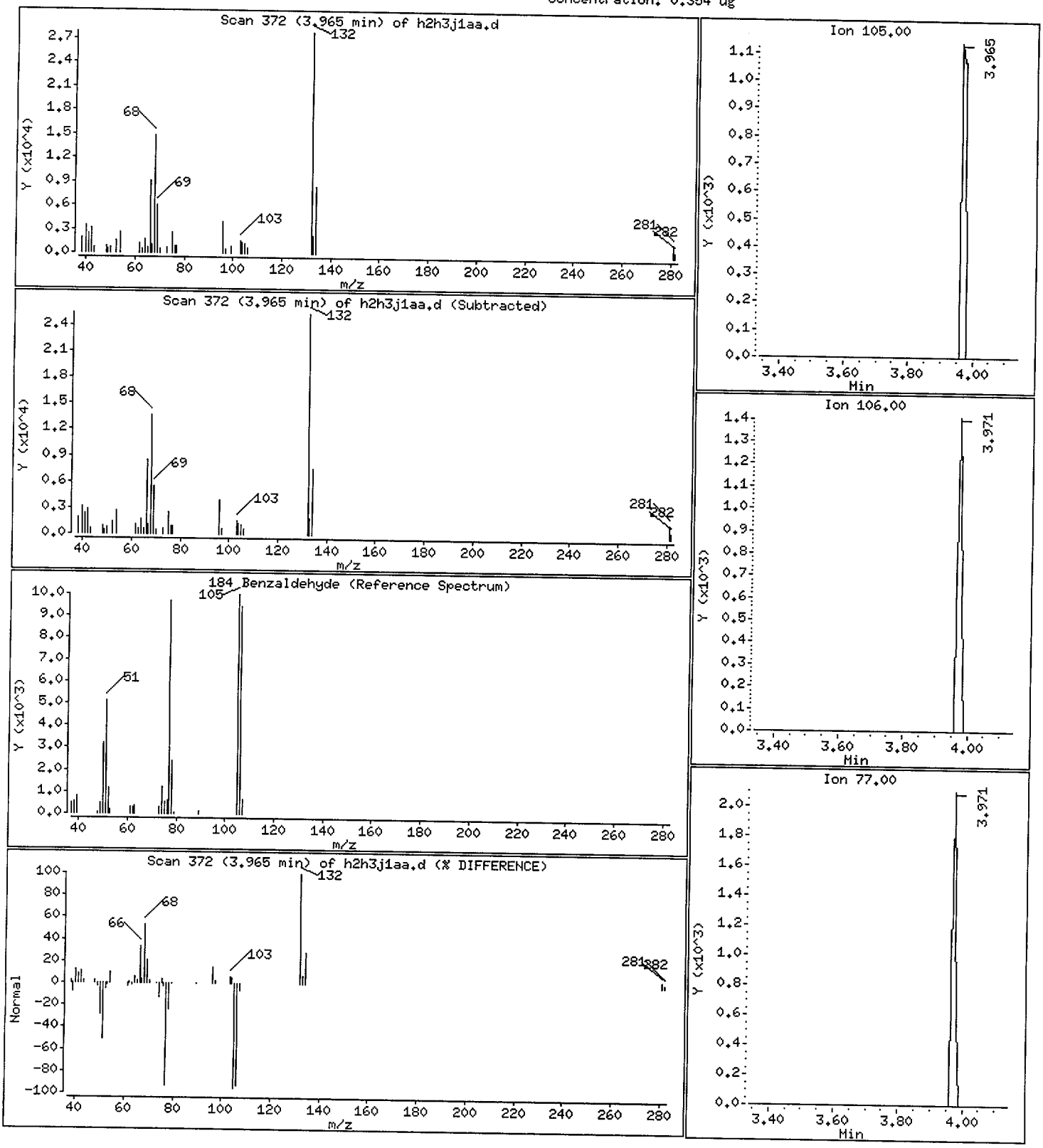
Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

184 Benzaldehyde

Concentration: 0.354 ug



Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-HM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

Volume Injected (uL): 1.0

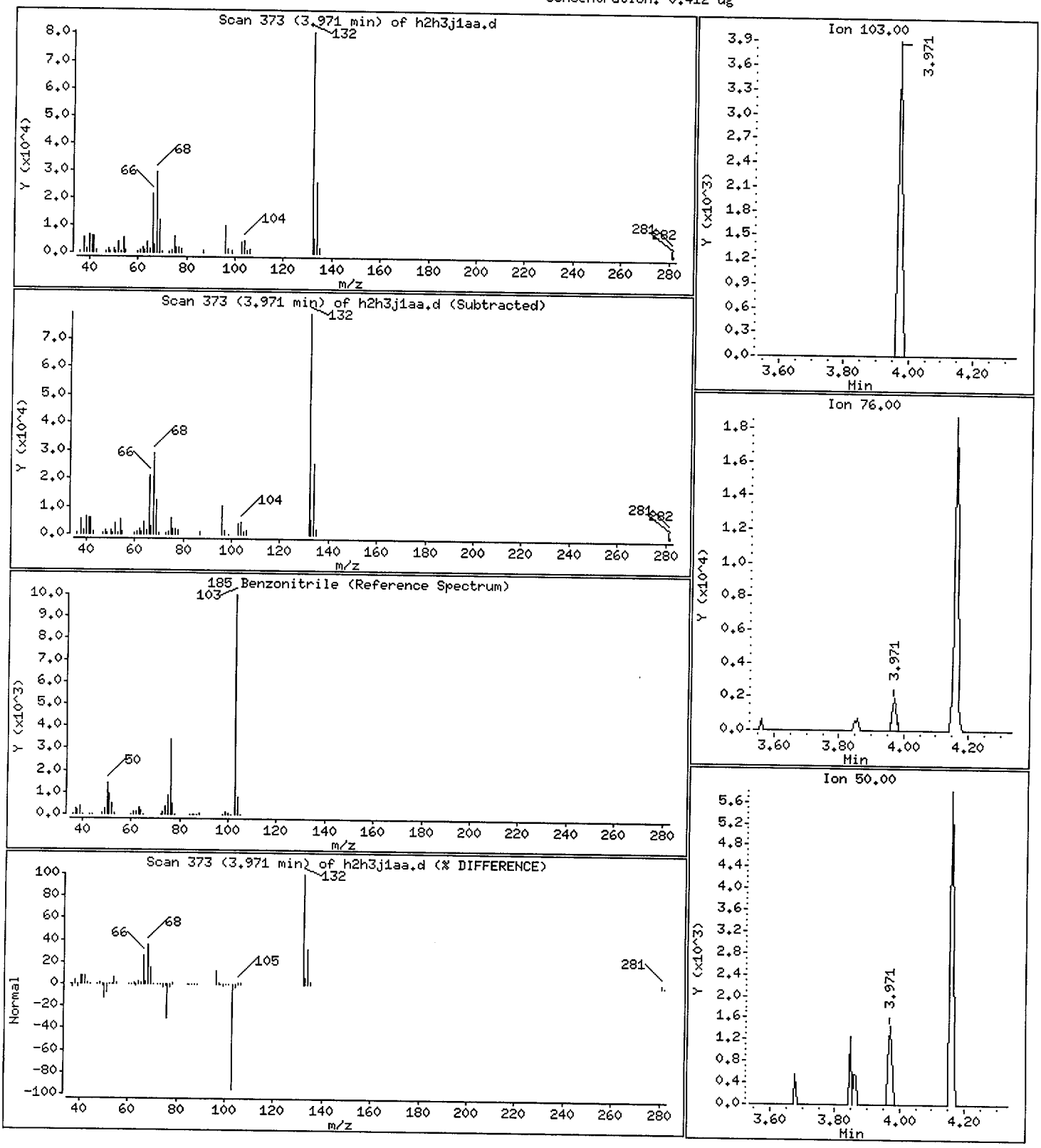
Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

185 Benzonitrile

Concentration: 0.412 ug



Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Report Date: 01-May-2006 14:07

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Lab Smp Id: H2H3J1AA Client Smp ID: G-2919/2920-R1-MM5
Inj Date : 28-APR-2006 15:21
Operator : 60841 Inst ID: md.i
Smp Info : H2H3J1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:56 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	495704	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Penten-2-one, 4-methyl-				CAS #: 141-79-7			
2.426	2348460	94.7525136	94.8	95	NIST05.1	3178	1
Malonic acid diisopropyl ester				CAS #: 13195-64-7			
2.525	110818	4.47113600	4.47	47	NIST05.1	49041	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d
Report Date: 01-May-2006 14:07

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Heptane, 2,5-dimethyl-					CAS #: 2216-30-0		
2.702	184645	7.44980876	7.45	78	NIST05.1	12291	1
2-Pentanone, 4-hydroxy-4-methyl-					CAS #: 123-42-2		
2.743	1282224	51.7334538	51.7	47	NIST05.1	7951	1
Acetone, ethyl methyl acetal					CAS #: 29328-22-1		
2.913	131462	5.30405242	5.30	50	NIST05.1	8577	1
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7		
3.971	273031	11.0158885 S	11.0	25	NIST05.1	13697	1
1,2-Dichlorobenzene-D4					CAS #: 2199-69-1		
4.359	233310	9.41327889 S	9.41	95	NIST05.1	23149	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-MM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

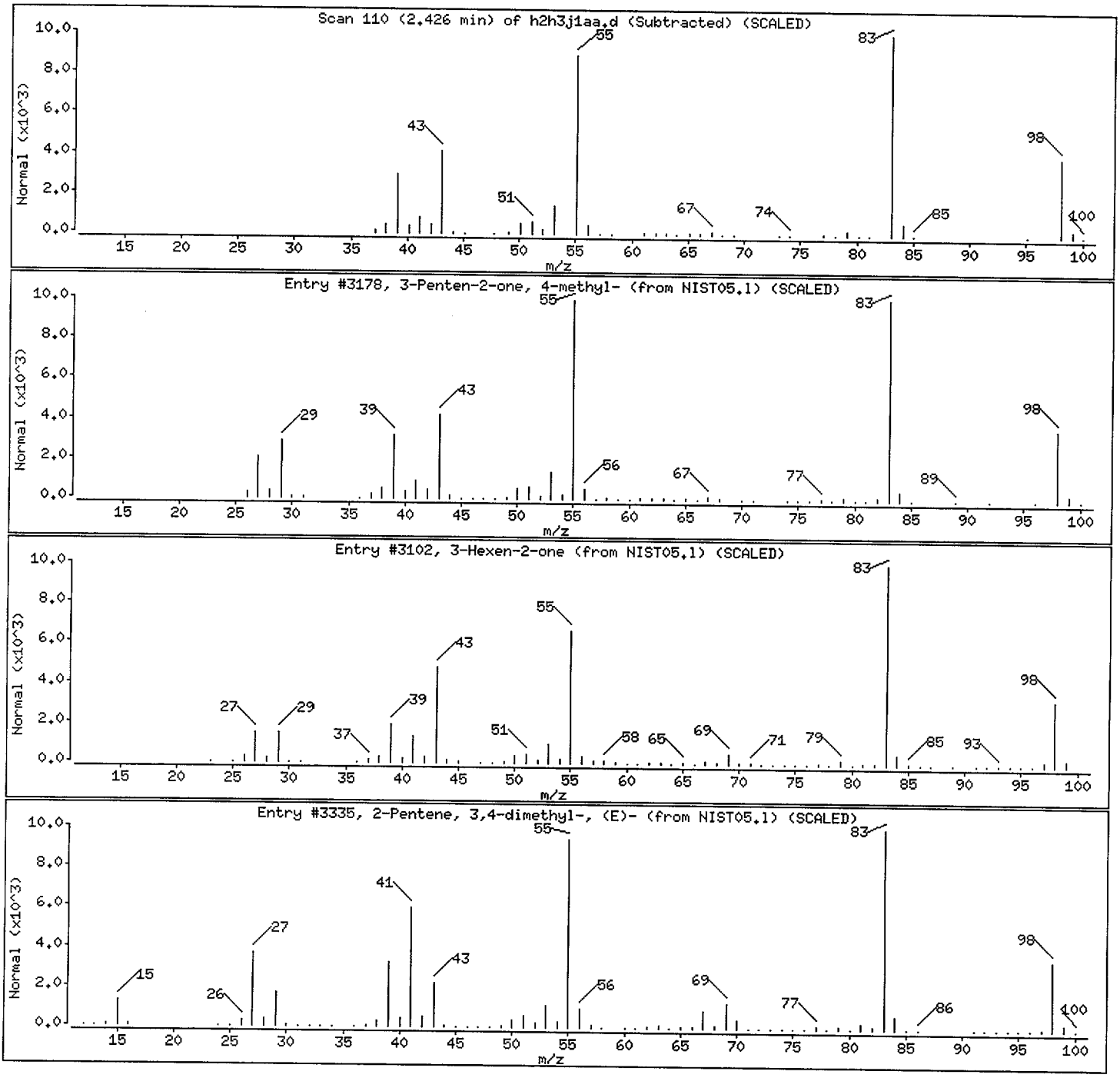
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3178	95	C6H10O	98
3-Hexen-2-one	763-93-9	NIST05.1	3102	91	C6H10O	98
2-Pentene, 3,4-dimethyl-, (E)-	4914-92-5	NIST05.1	3335	91	C7H14	98



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Date : 28-APR-2006 15:21

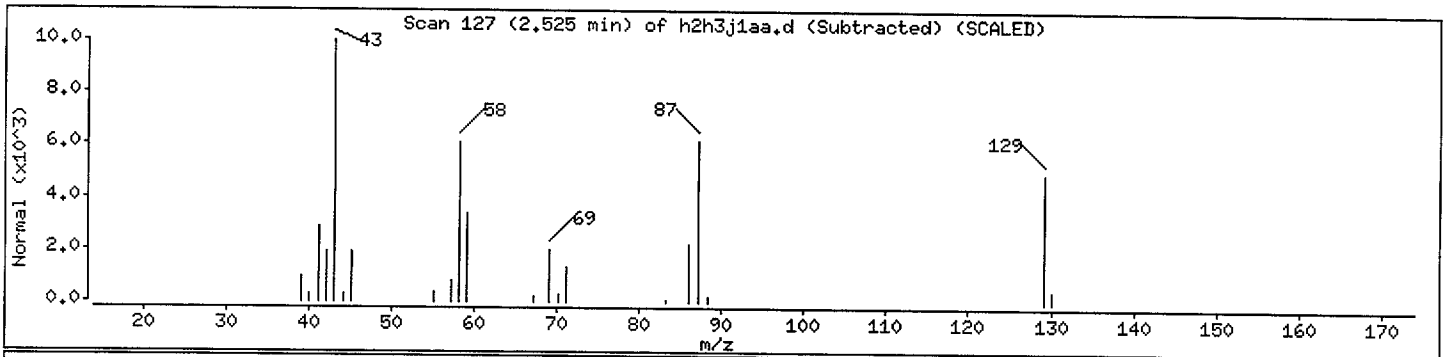
Client ID: G-2919/2920-R1-MM5 Instrument: md.i

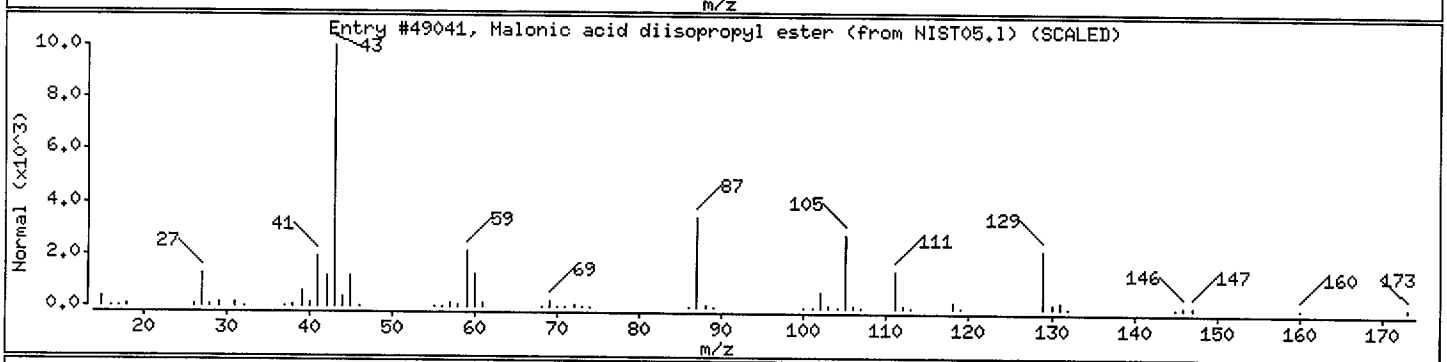
Sample Info: H2H3J1AA,,0,,,,

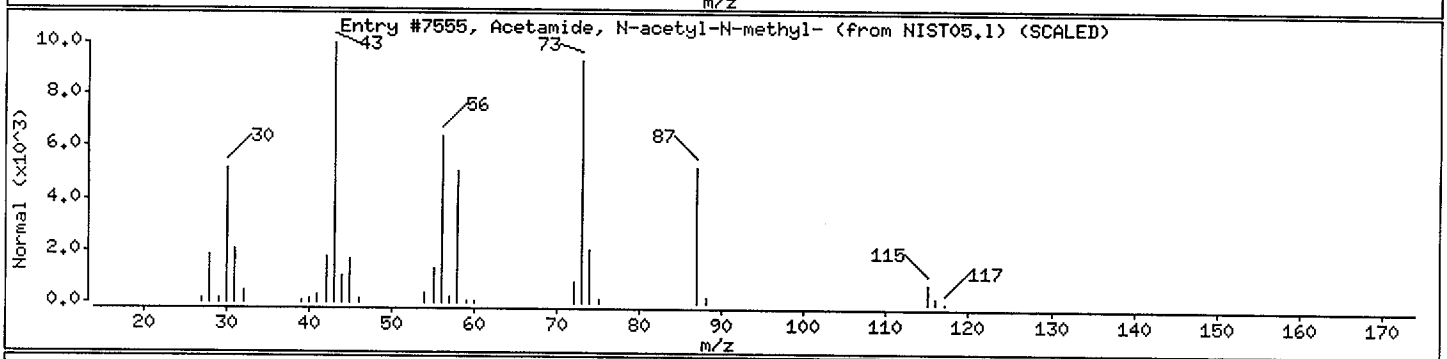
Volume Injected (uL): 1.0 Operator: 60841

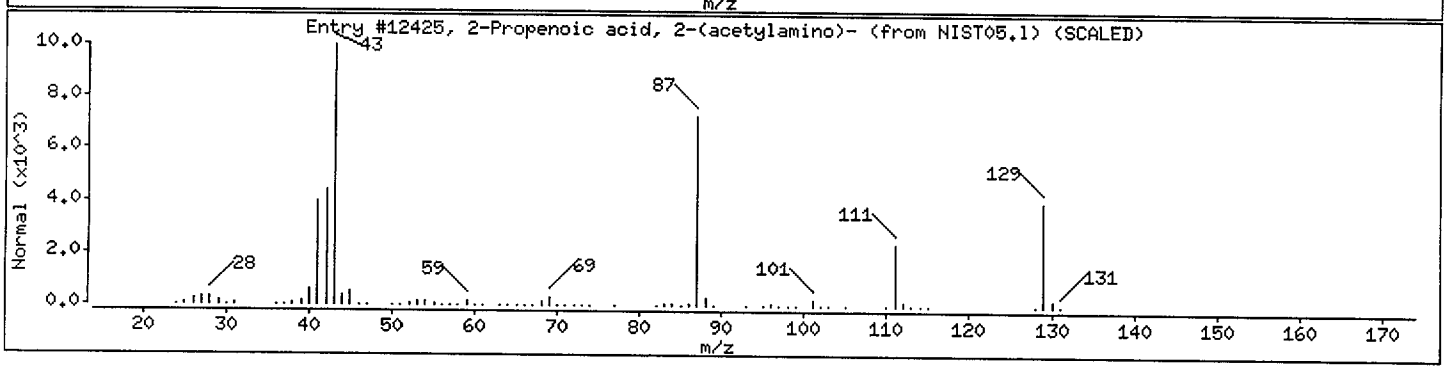
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Malonic acid diisopropyl ester	13195-64-7	NIST05.1	49041	47	C9H16O4	188
Acetamide, N-acetyl-N-methyl-	1113-68-4	NIST05.1	7555	28	C5H9NO2	115
2-Propenoic acid, 2-(acetylamino)-	5429-56-1	NIST05.1	12425	25	C5H7NO3	129









Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-MM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

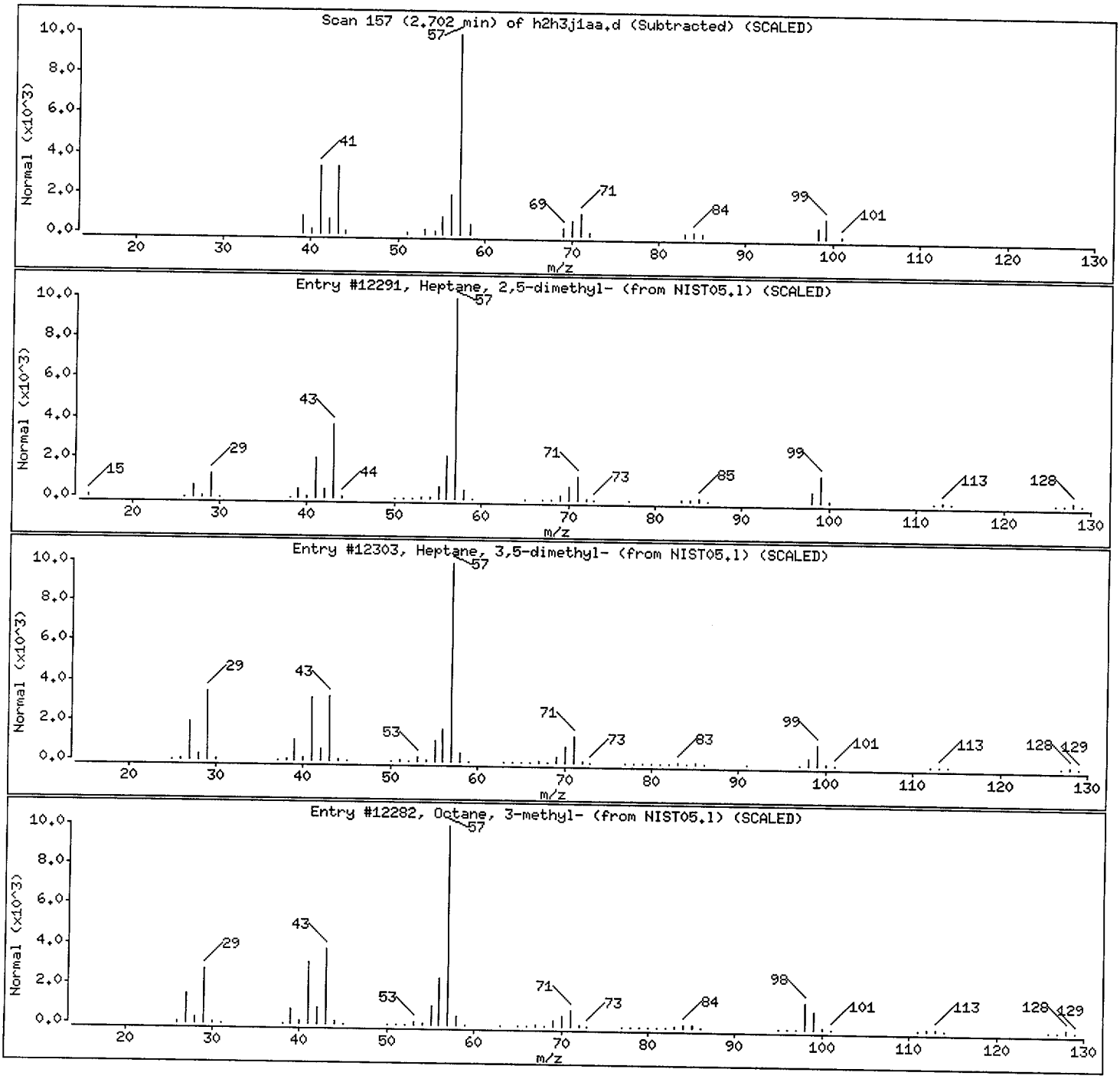
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.1	12291	78	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.1	12303	78	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.1	12282	78	C9H20	128



Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-MM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

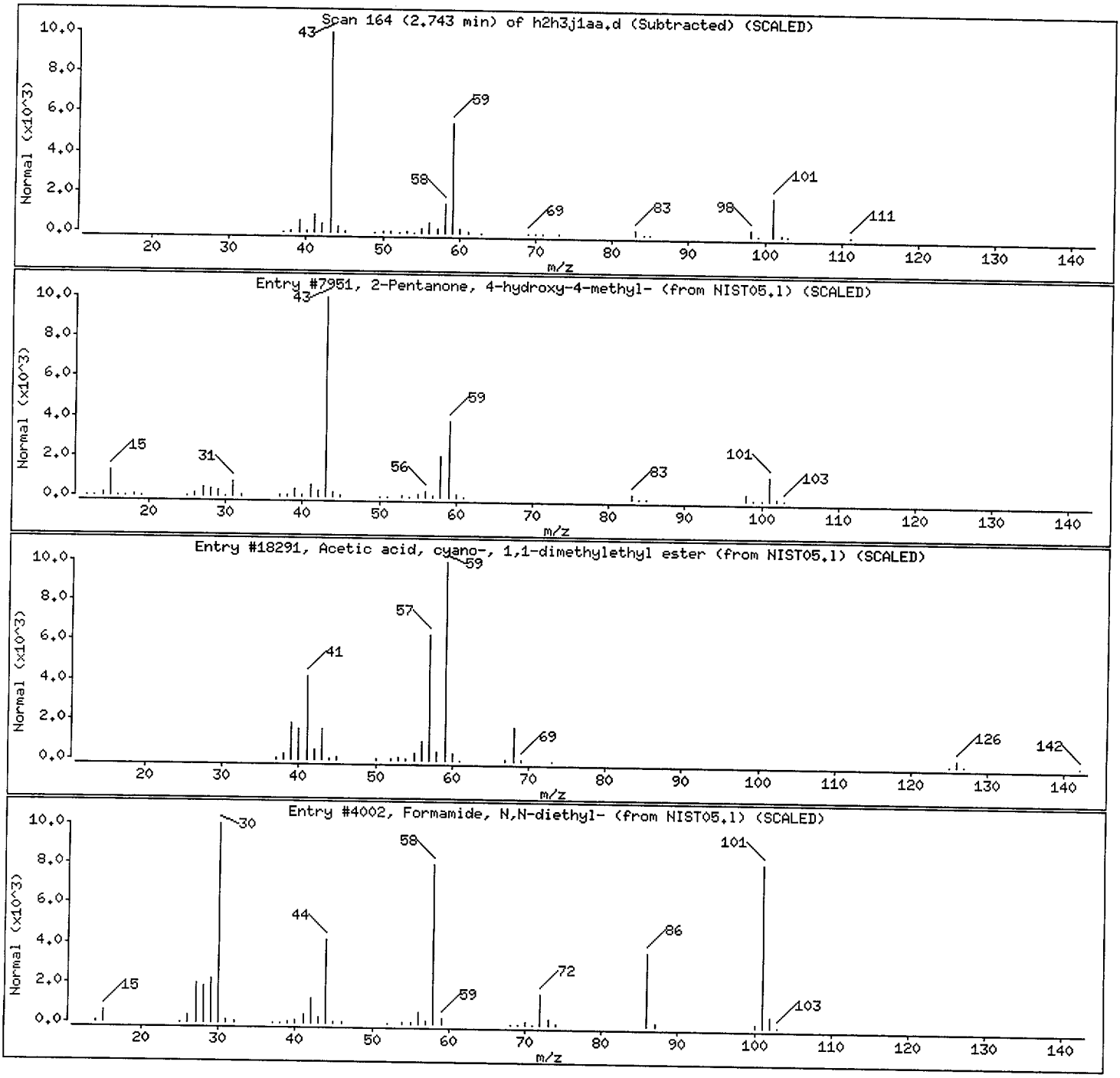
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7951	47	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.1	18291	17	C7H11NO2	141
Formamide, N,N-diethyl-	617-84-5	NIST05.1	4002	9	C5H11NO	101



Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

Client ID: G-2919/2920-R1-MM5

Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

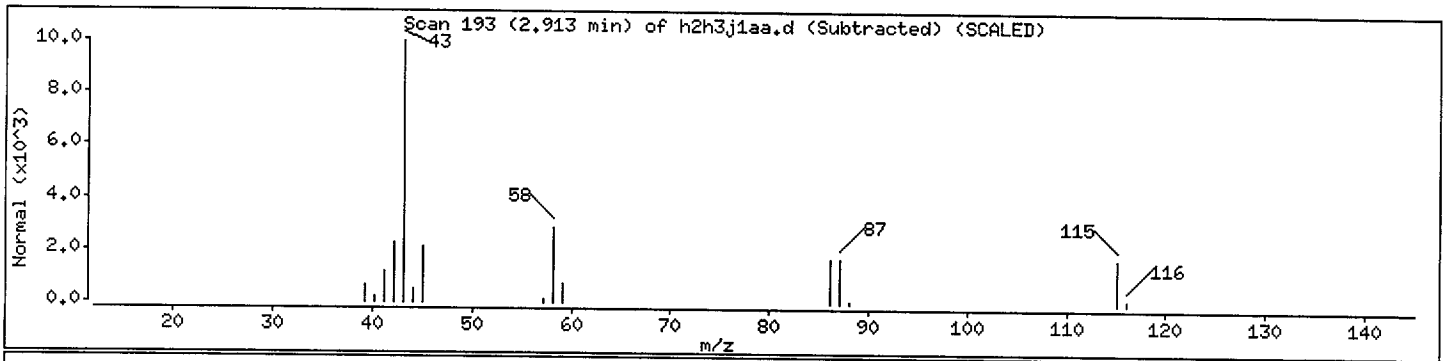
Volume Injected (uL): 1.0

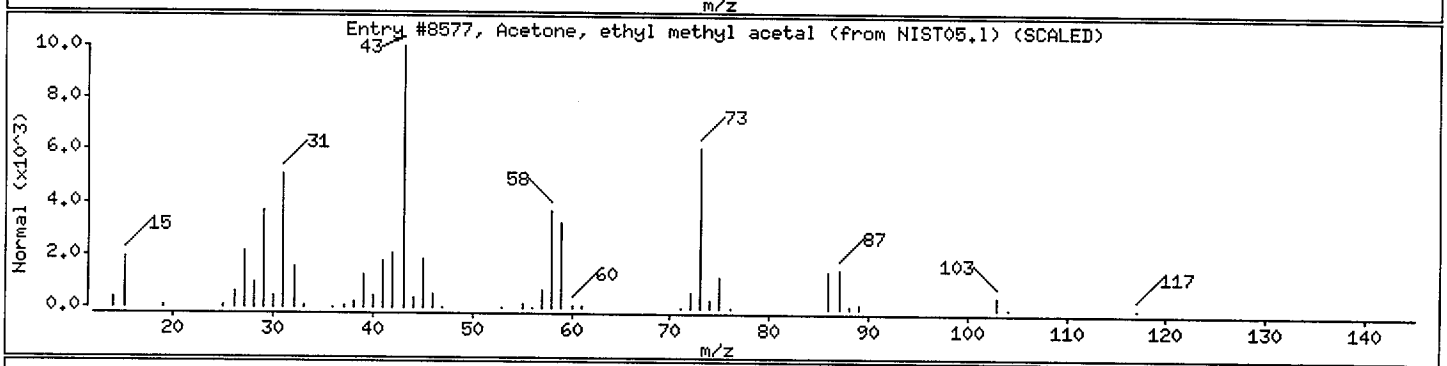
Operator: 60841

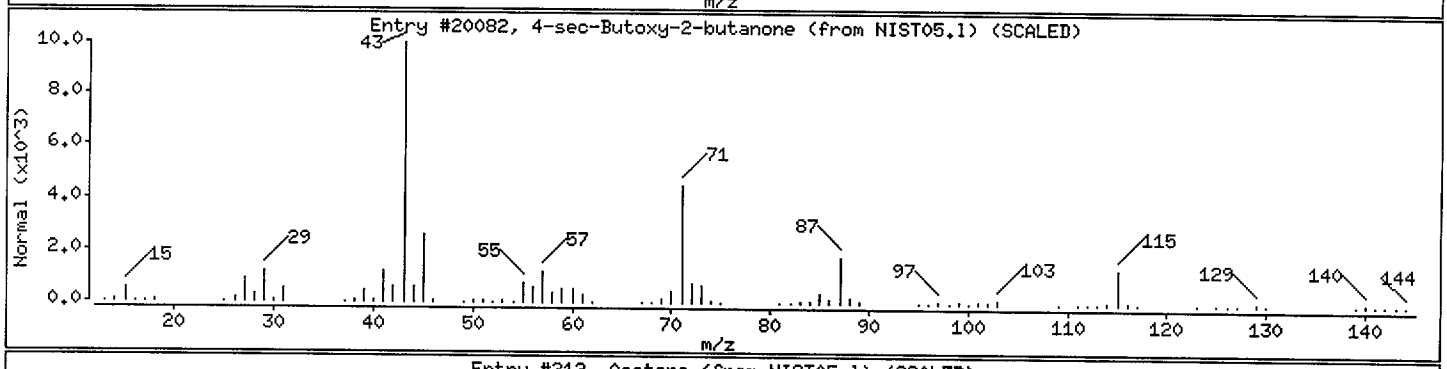
Column phase: ZB-5

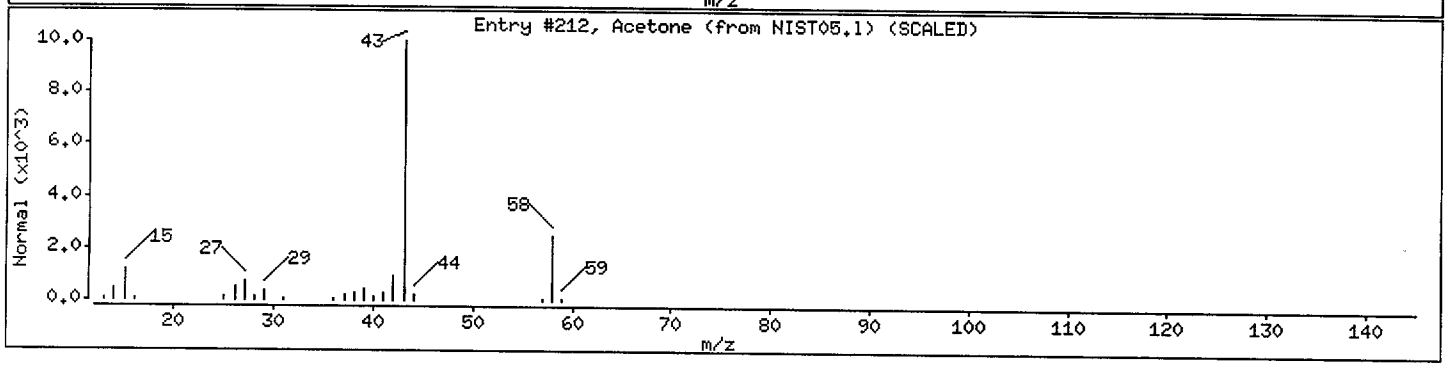
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetone, ethyl methyl acetal	29328-22-1	NIST05.1	8577	50	C6H14O2	118
4-sec-Butoxy-2-butanone	57545-63-8	NIST05.1	20082	25	C8H16O2	144
Acetone	67-64-1	NIST05.1	212	9	C3H6O	58









Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

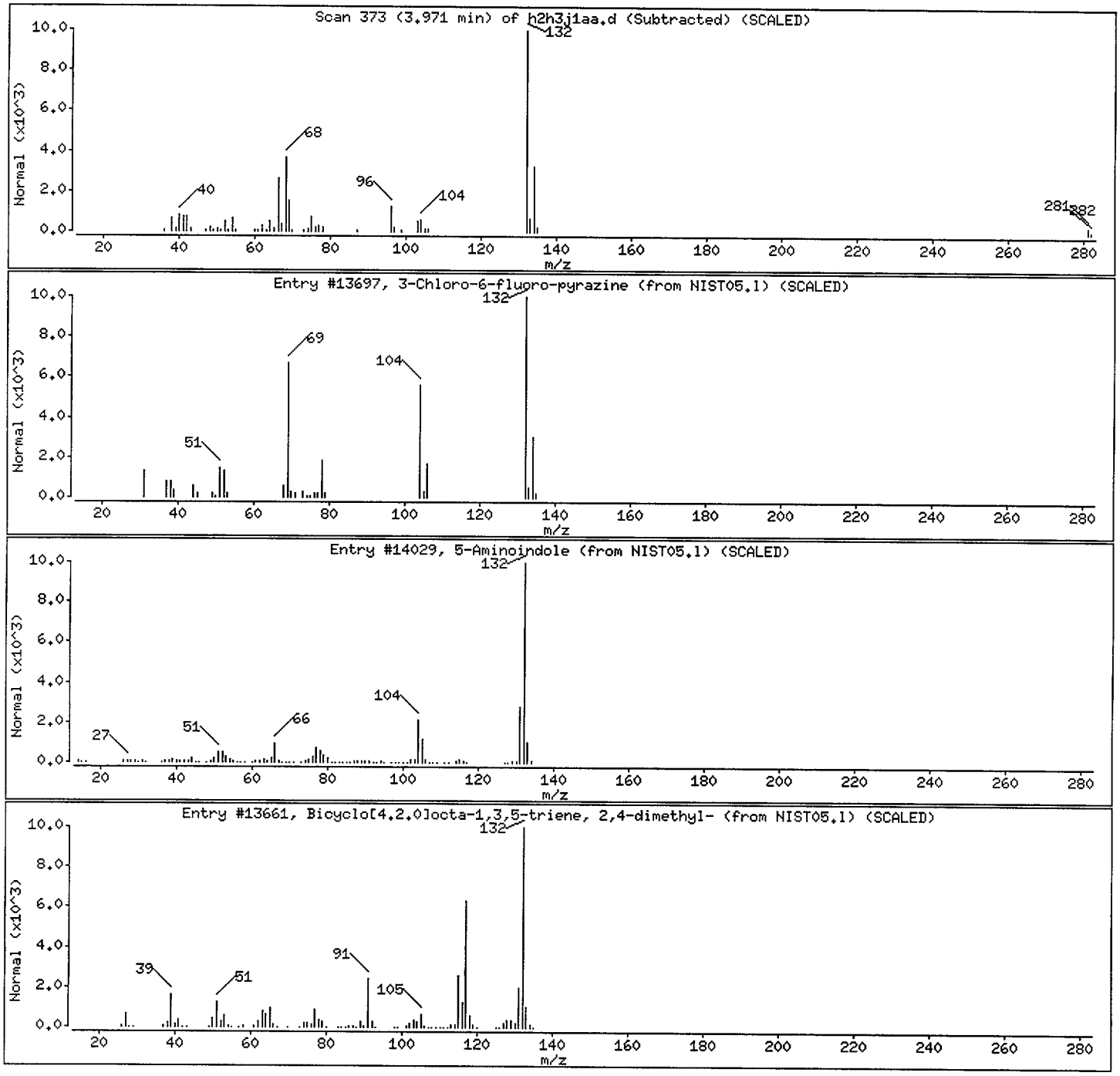
Client ID: G-2919/2920-R1-MM5 Instrument: md.i

Sample Info: H2H3J1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	25	C4H2ClFN2	132
5-Aminoindole	5192-03-0	NIST05.1	14029	12	C8H8N2	132
Bicyclo[4.2.0]octa-1,3,5-triene, 2,4-dim	28749-81-7	NIST05.1	13661	12	C10H12	132



Data File: /var/chem/gcms/md.i/D042806.b/h2h3j1aa.d

Date : 28-APR-2006 15:21

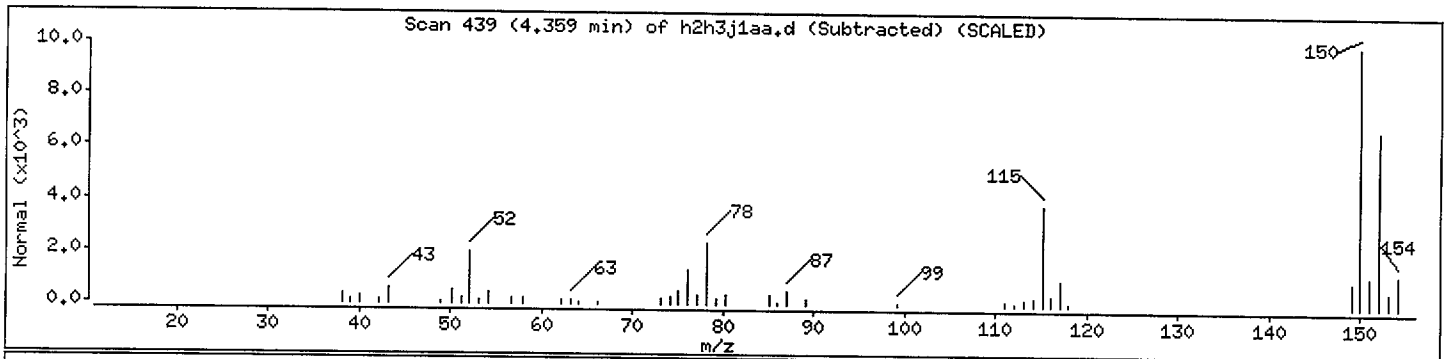
Client ID: G-2919/2920-R1-MM5 Instrument: md.i

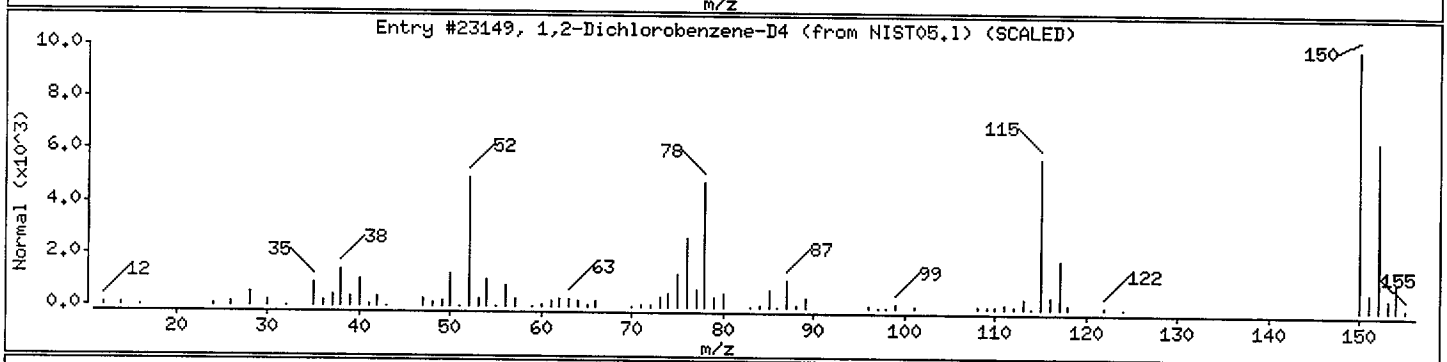
Sample Info: H2H3J1AA,,0,,,,

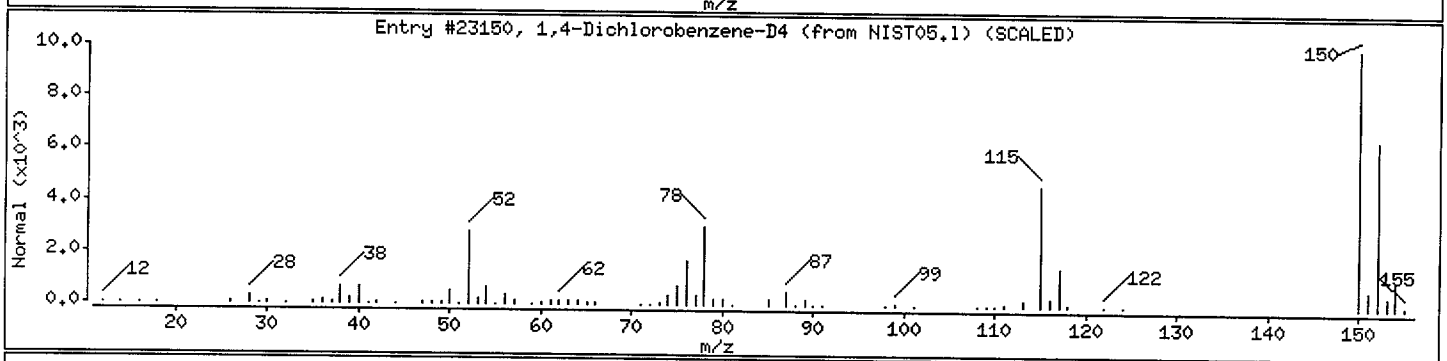
Volume Injected (uL): 1.0 Operator: 60841

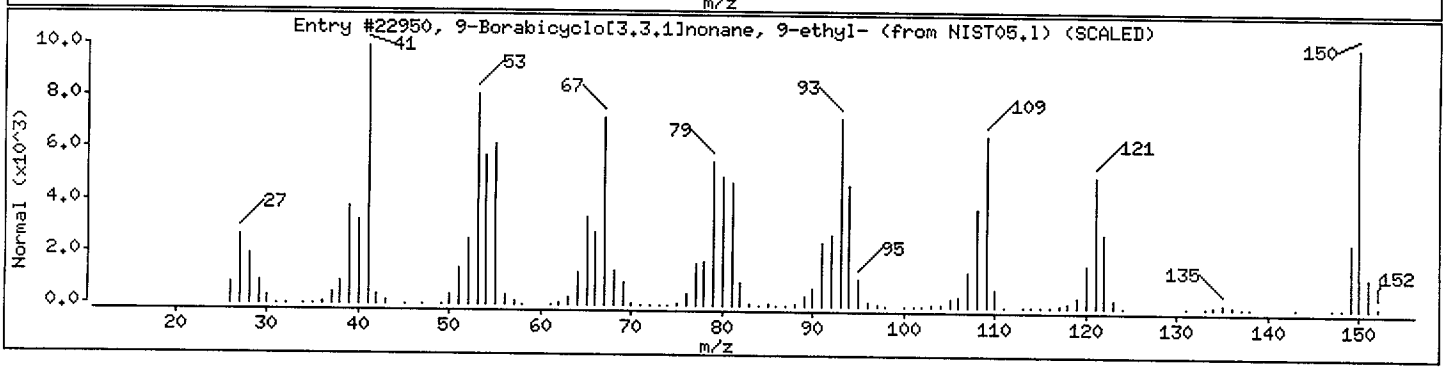
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	95	C6D4Cl2	150
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	43	C10H19B	150









STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d
Lab Smp Id: H2H3L1AA
Client Smp ID: G-2921/2922-R1-MM5
Inj Date : 28-APR-2006 11:50
Operator : 60841
Inst ID: md.i
Smp Info : H2H3L1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek
Quant Type: ISTD
Cal Date : 27-APR-2006 15:00
Cal File: bbdd271.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05/05/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	67255	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	231810	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	160487	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	281280	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	283910	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	259247	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	181501	38.5903	38.6
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	235288	41.4725	41.5
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	138062	26.4215	26.4
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	335318	31.6932	31.7
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	74306	41.6613	41.7
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	474530	34.3637	34.4
$ 179 13C6-naphthalene	134	5.775	5.775	(1.005)	2073317	138.898	139(A)

Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d
Report Date: 01-May-2006 10:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
175 1,4-Dioxane	88	2.149	1.850	(0.517)	1753	1.10759	~~1.11~~
15 Phenol (ccc)	94	3.865	3.865	(0.929)	3967	0.66164	0.662
22 1,2-Dichlorobenzene	146	4.176	4.370	(1.004)	2518	0.50957	~~0.510~~
32 2,4-Dimethyphenol	107	5.528	5.340	(0.962)	8331	1.63511	~~1.64~~
34 Benzoic acid	122	5.469	5.504	(0.952)	41277	15.6768	15.7
37 Naphthalene	128	5.775	5.775	(1.005)	12315	0.90726	~~0.907~~
38 4-Chloroaniline	127	5.781	5.898	(1.006)	3237	0.55332	~~0.553~~
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	3509	1.12129	~~1.12~~
69 Di-n-butyl phthalate	149	10.469	10.469	(1.055)	12507	0.68995	0.690
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	86893	8.40232	8.40
91 acetophenone	105	4.617	4.623	(1.110)	22043	3.90137	3.90
184 Benzaldehyde	105	3.742	3.742	(0.900)	19526	6.35675	6.36
185 Benzonitrile	103	3.941	3.935	(0.948)	724	0.10531	~~0.105~~

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3l1aa.d
Lab Smp Id: H2H3L1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-2921/2922-R1-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	67255	9.33
2 Naphthalene-d8	201763	100882	403526	231810	14.89
3 Acenaphthene-d10	143273	71636	286546	160487	12.01
4 Phenanthrene-d10	247023	123512	494046	281280	13.87
5 Chrysene-d12	265356	132678	530712	283910	6.99
6 Perylene-d12	233795	116898	467590	259247	10.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

RECOVERY REPORT

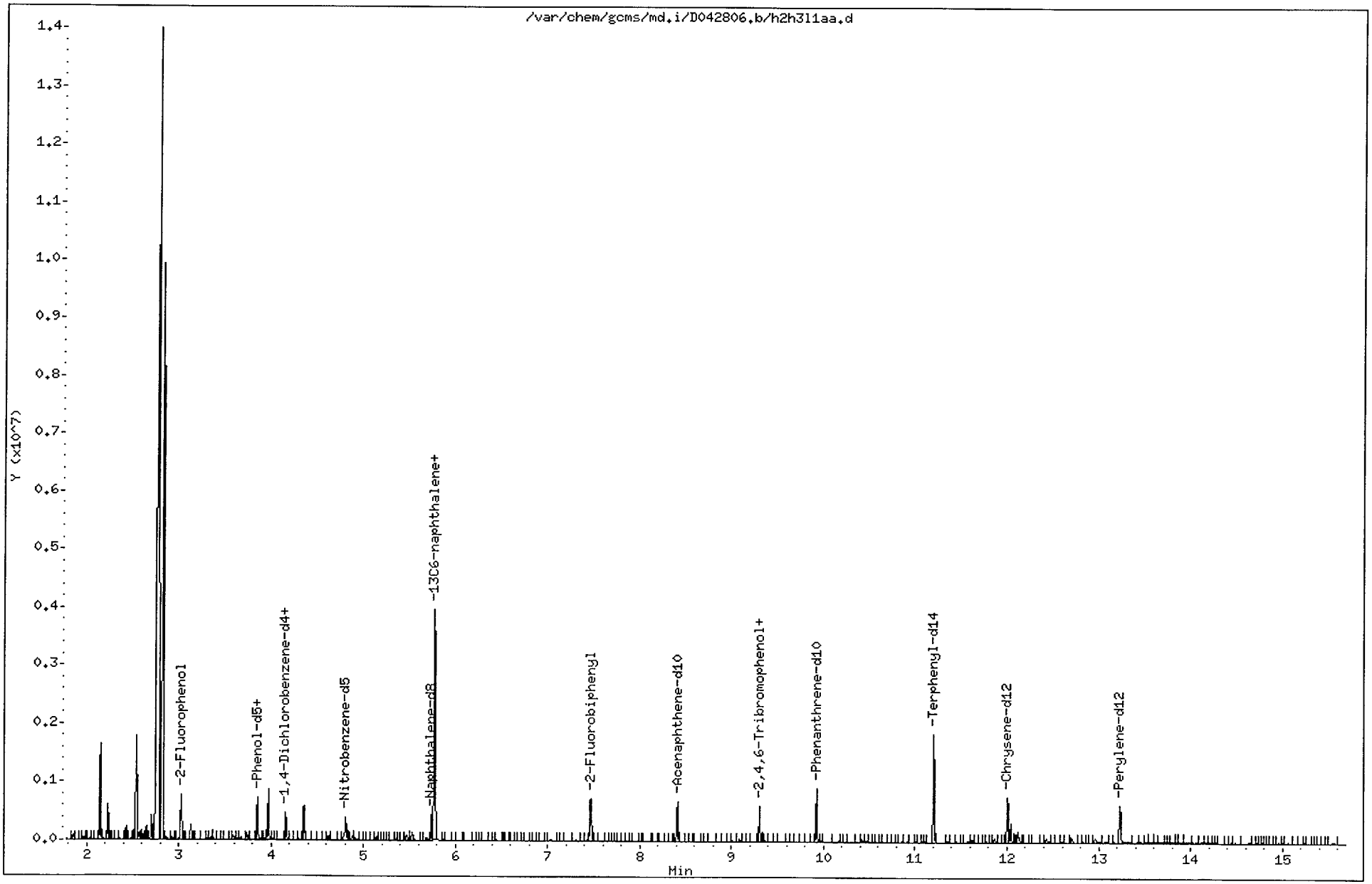
Client Name: STL Knoxville - ACS
Client SDG: H6D030245
Sample Matrix: GAS
Fraction: SV
Lab Smp Id: H2H3L1AA
Client Smp ID: G-2921/2922-R1-MM5
Level: LOW
Operator: 60841
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allspike.spk
Quant Type: ISTD
Sublist File: westatesc13.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	38.6	51.45	19-100
$ 8 Phenol-d5	75.0	41.5	55.30	15-124
$ 9 Nitrobenzene-d5	50.0	26.4	52.84	42-104
$ 10 2-Fluorobiphenyl	50.0	31.7	63.39	51-103
$ 11 2,4,6-Tribromophen	75.0	41.7	55.55	33-130
$ 12 Terphenyl-d14	50.0	34.4	68.73	58-122
$ 179 13C6-naphthalene	100	139	138.90	50-150

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Date : 28-APR-2006 11:50
Client ID: G-2921/2922-R1-MM5
Sample Info: H2H3L1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

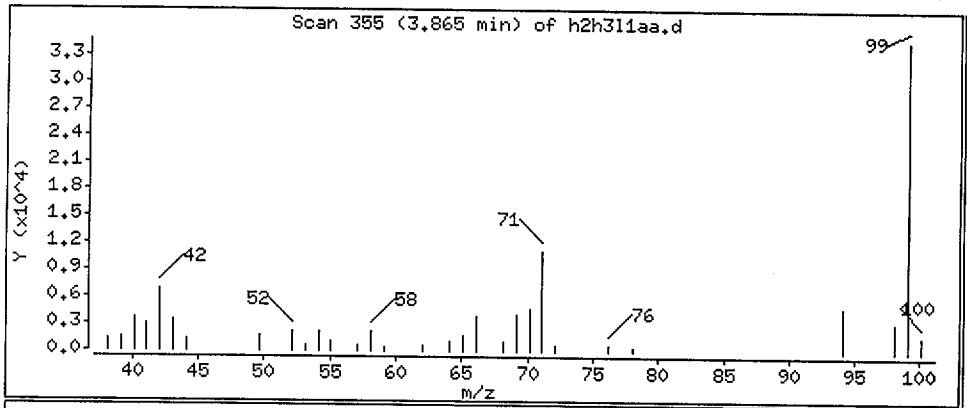
Operator: 60841

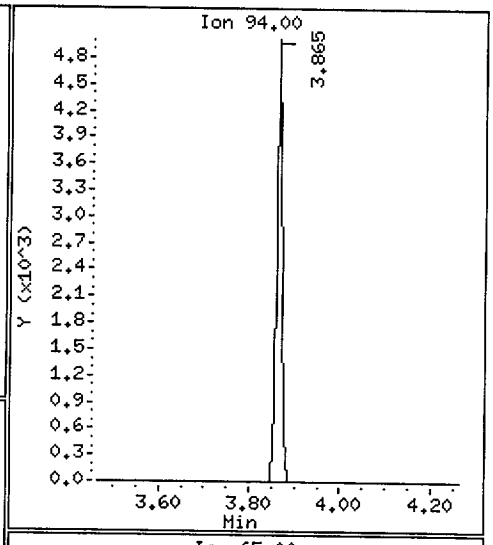
Column phase: ZB-5

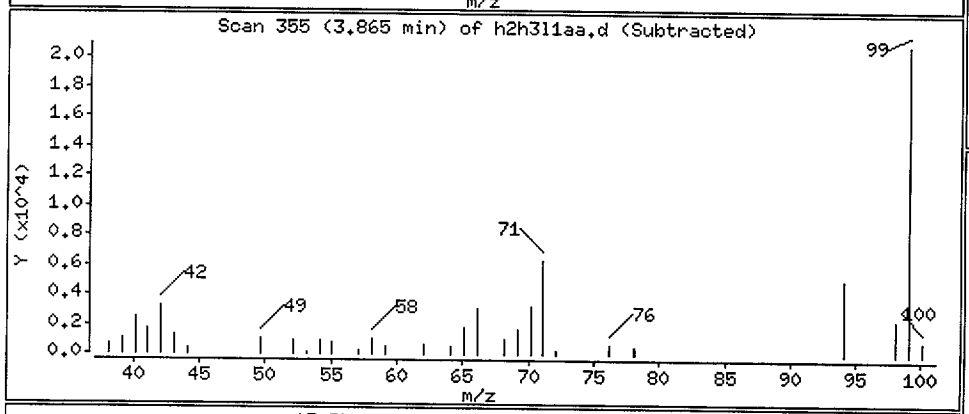
Column diameter: 0.25

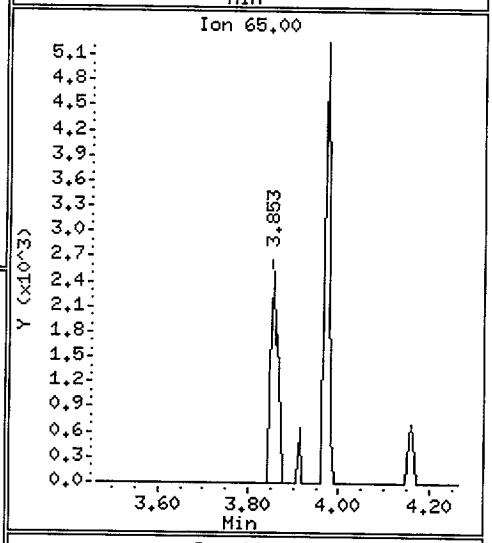
15 Phenol (ccc)

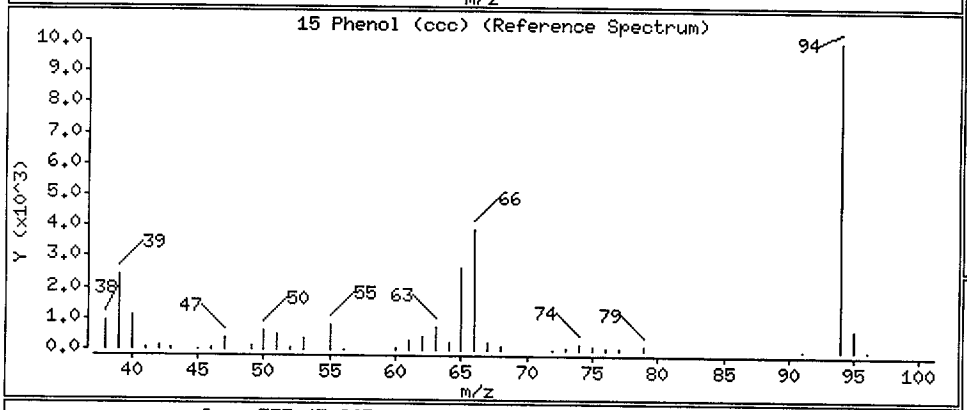
Concentration: 0.662 ug

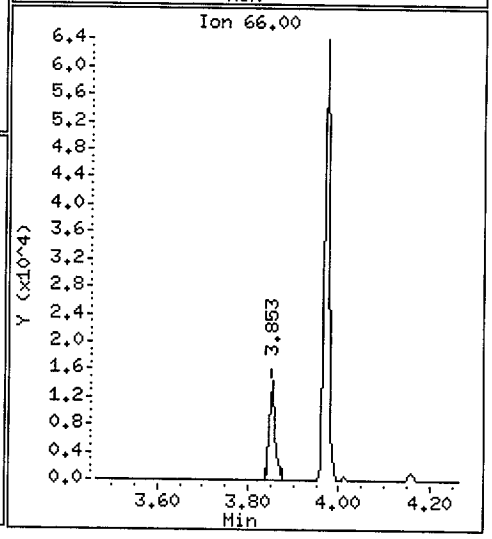


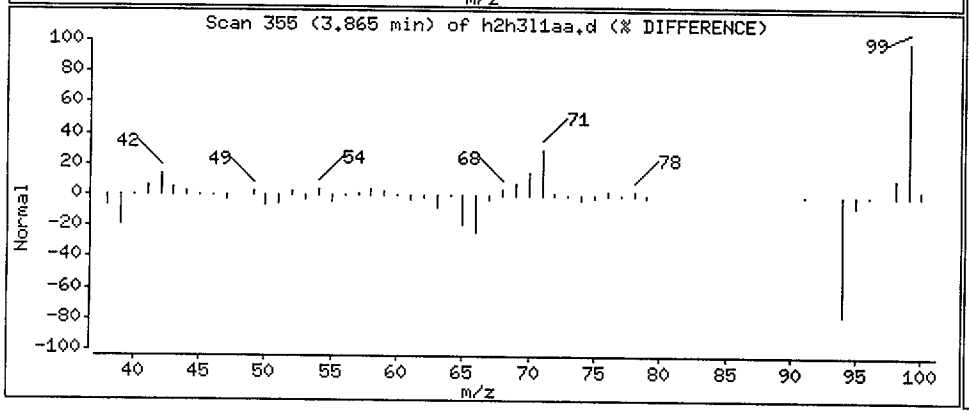












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

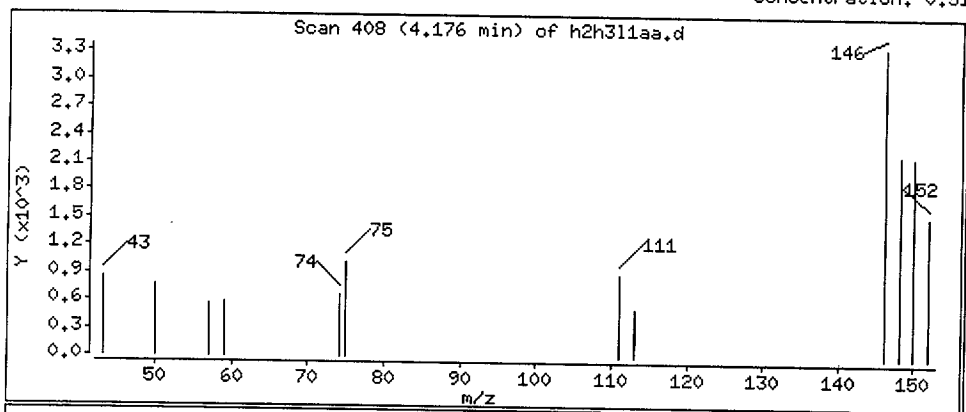
Operator: 60841

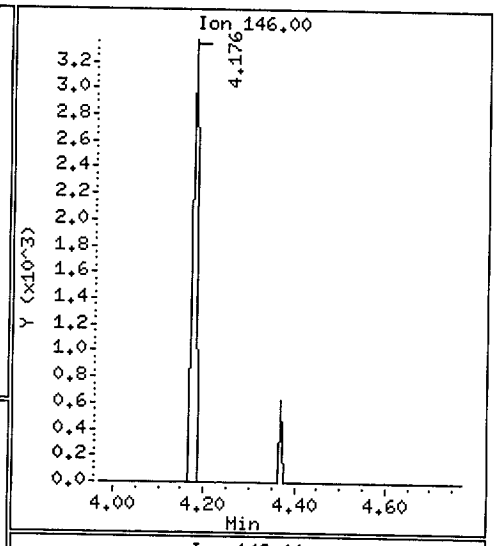
Column phase: ZB-5

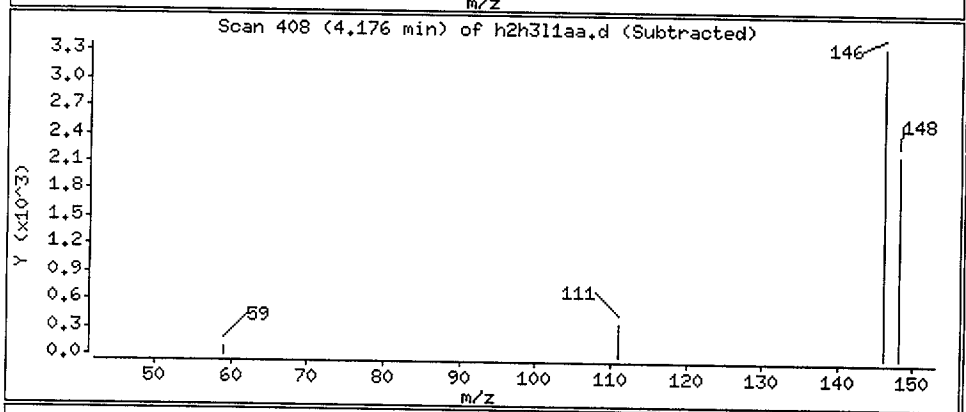
Column diameter: 0.25

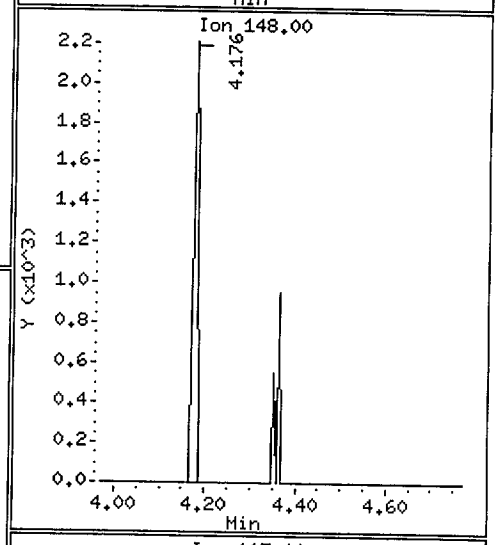
22 1,2-Dichlorobenzene

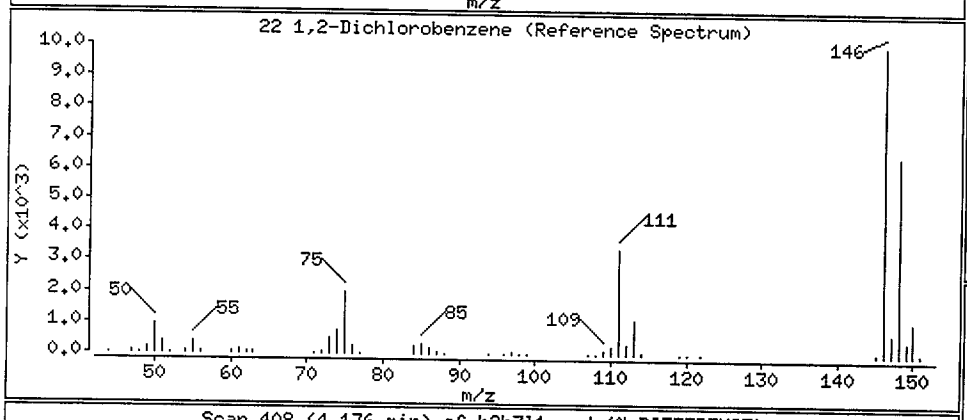
Concentration: 0.510 ug

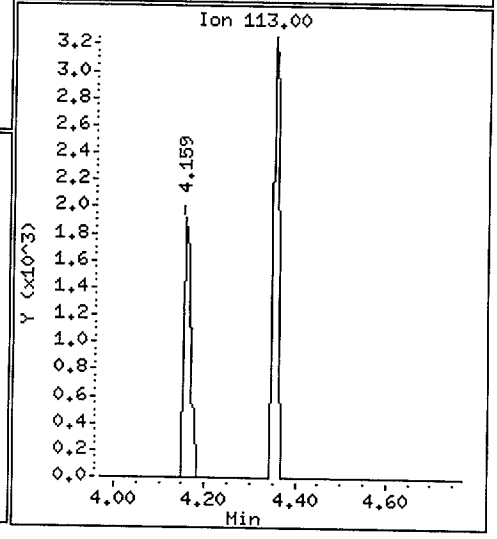


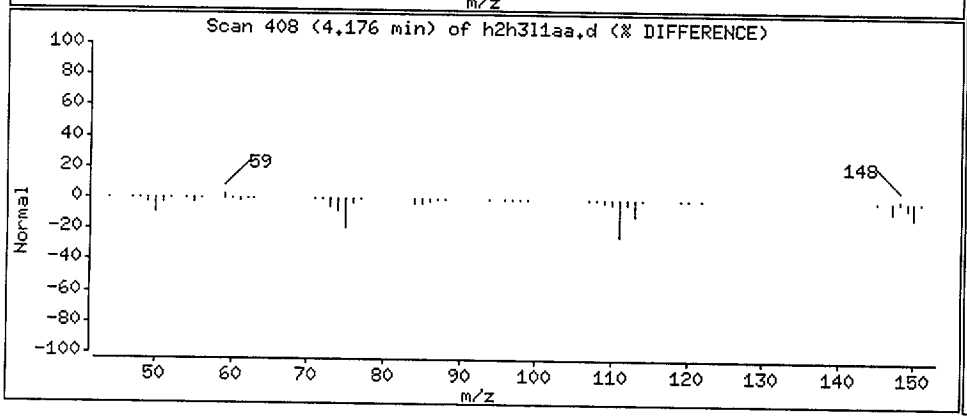












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

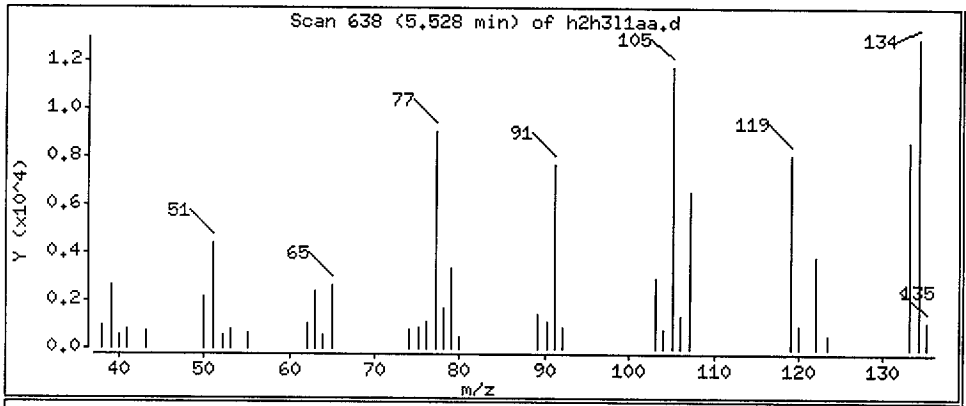
Operator: 60841

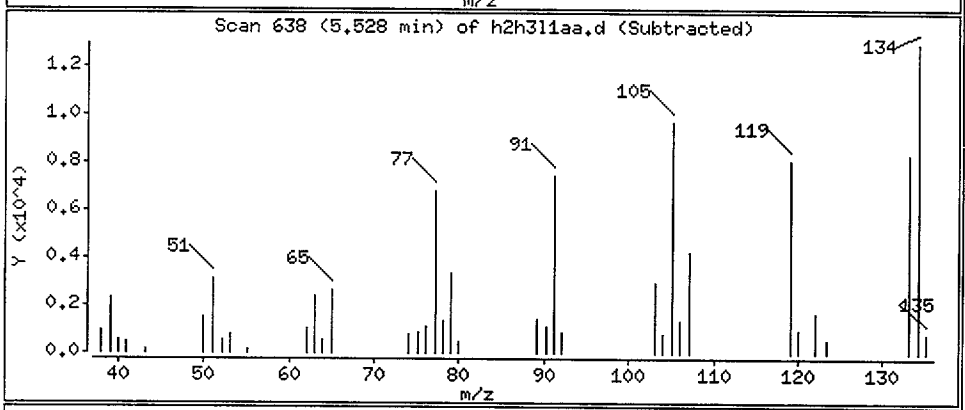
Column phase: ZB-5

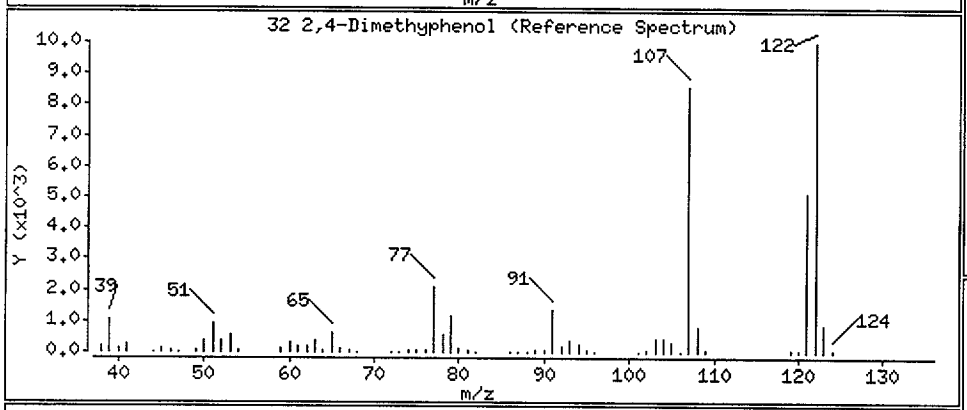
Column diameter: 0.25

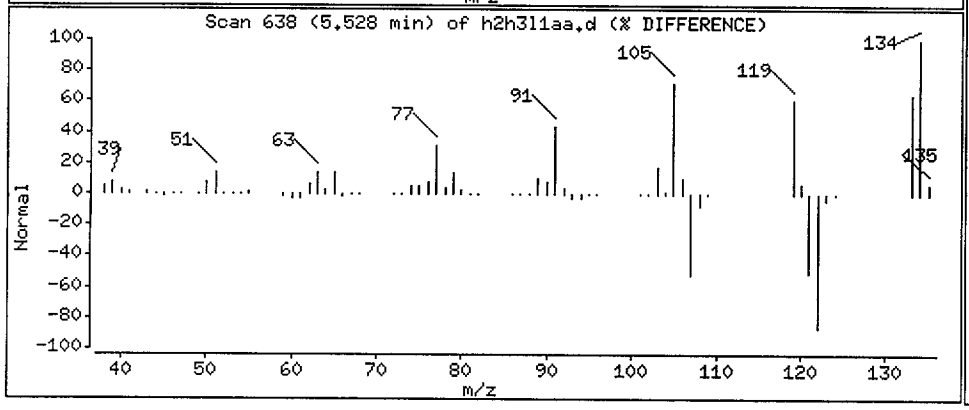
32 2,4-Dimethyphenol

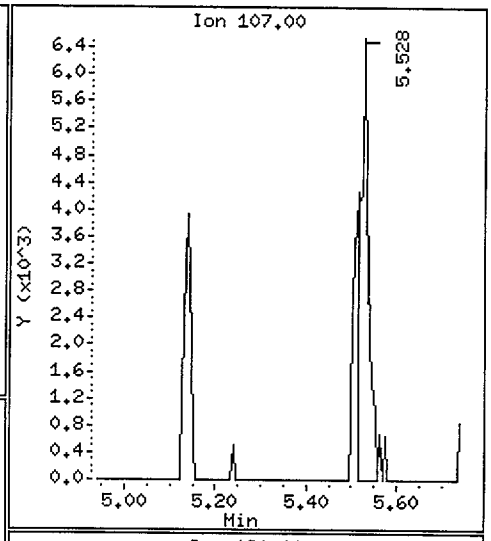
Concentration: 1.64 ug

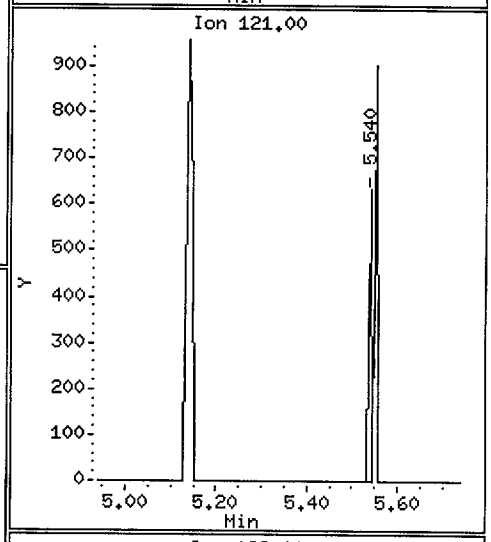


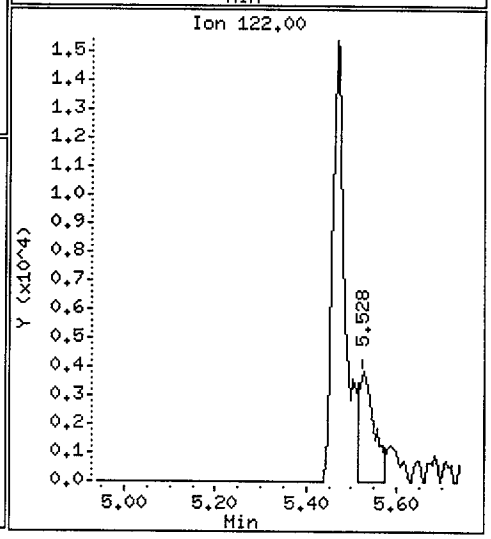












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

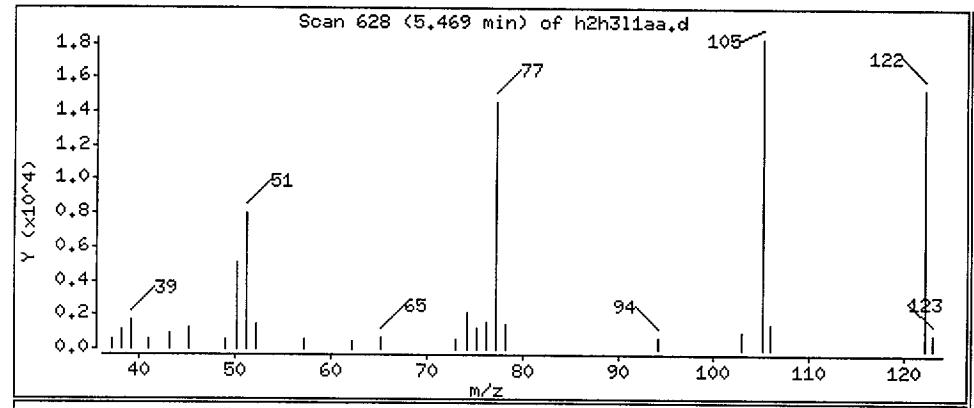
Operator: 60841

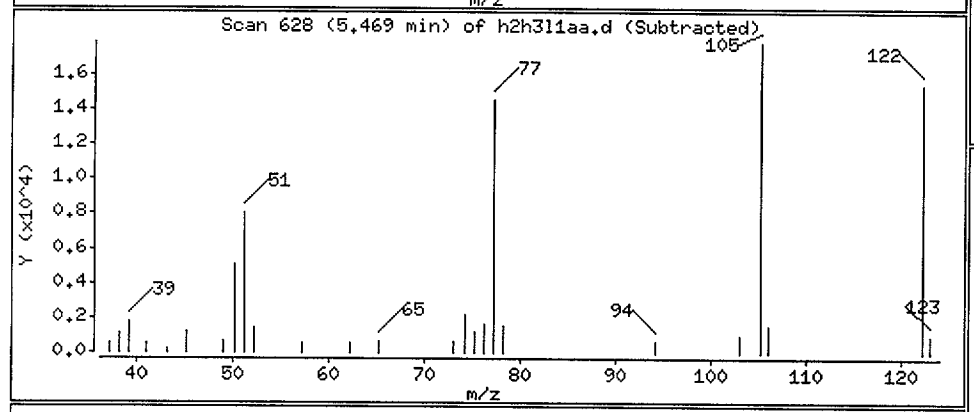
Column phase: ZB-5

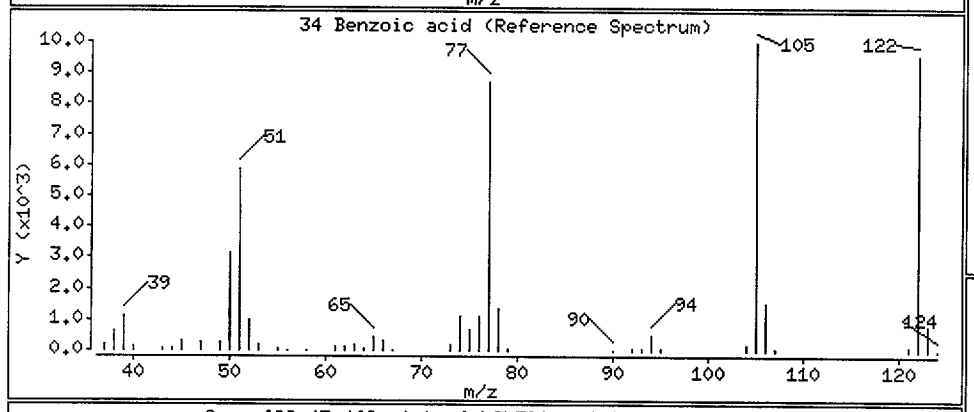
Column diameter: 0.25

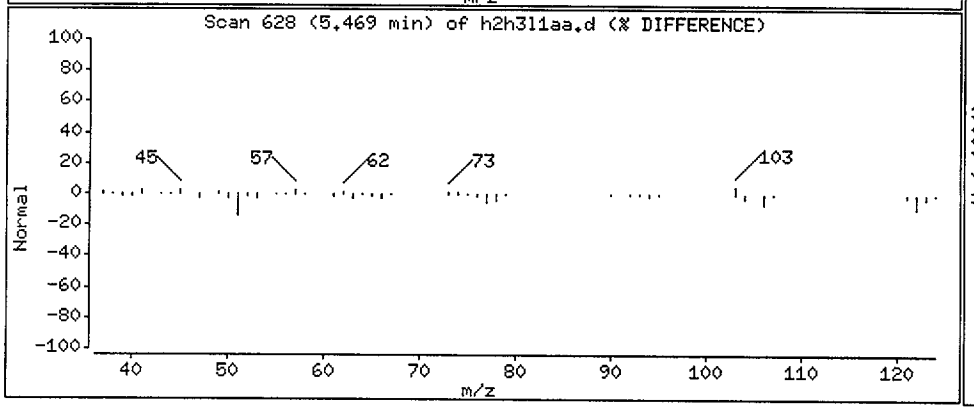
34 Benzoic acid

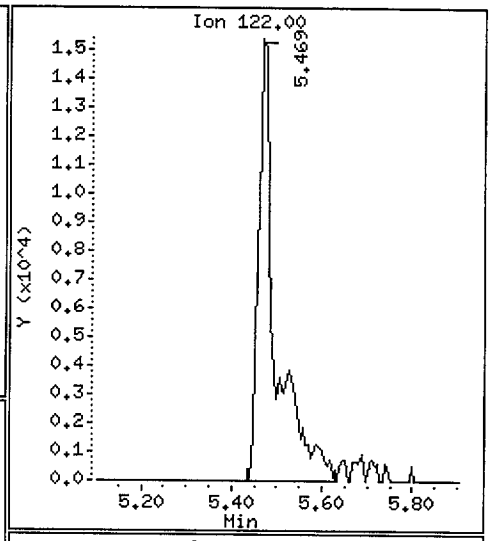
Concentration: 15.7 ug

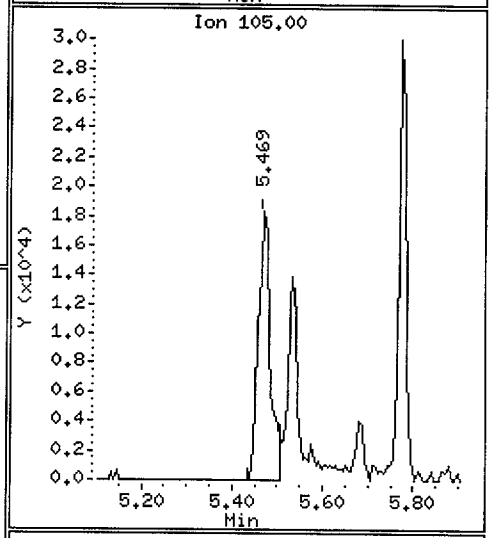


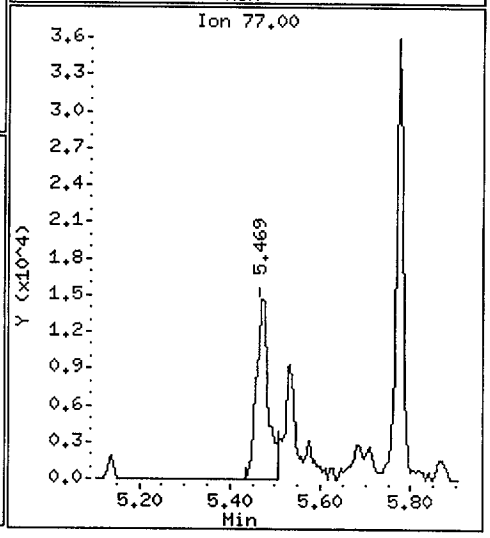












Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-HM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

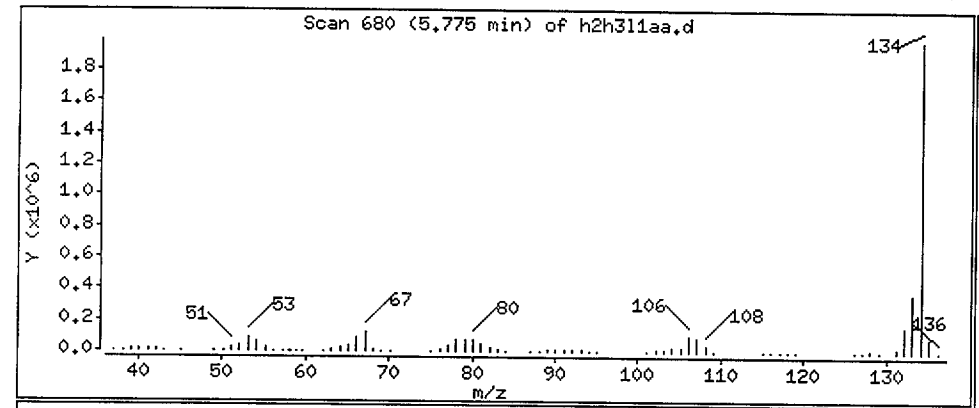
Operator: 60841

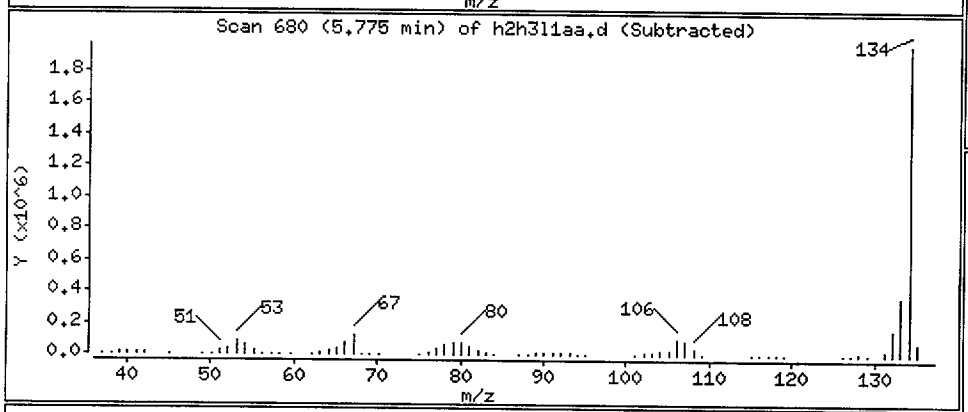
Column phase: ZB-5

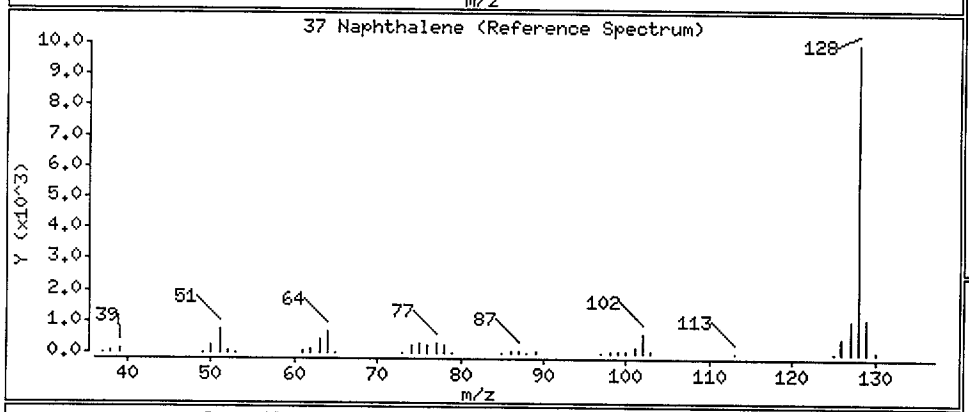
Column diameter: 0.25

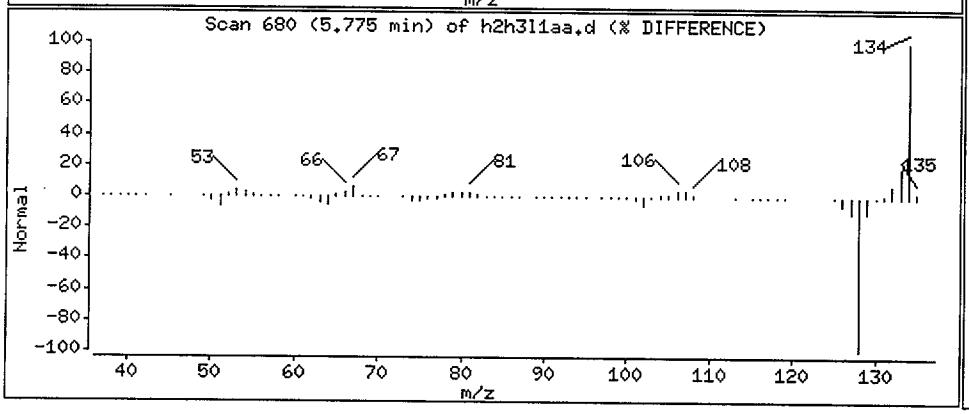
37 Naphthalene

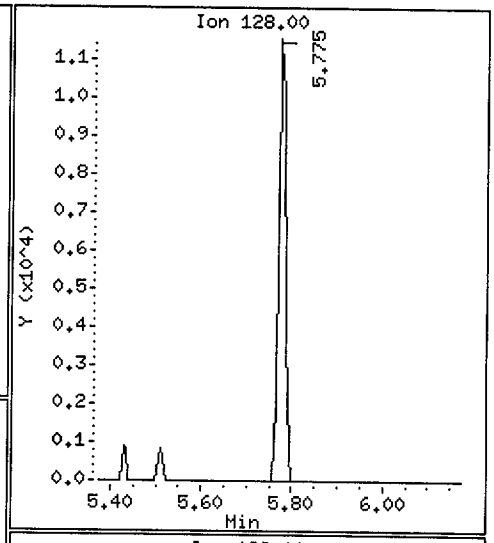
Concentration: 0.907 ug

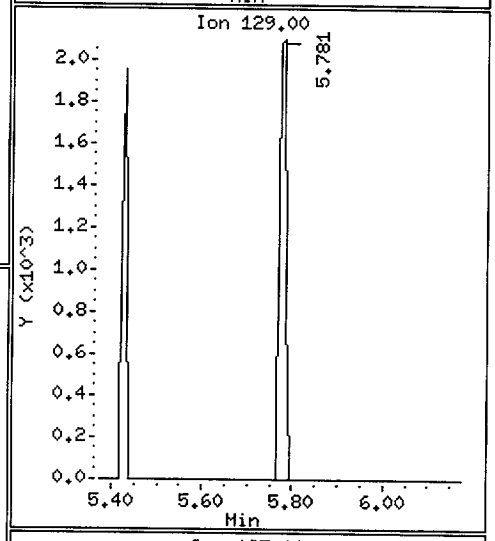


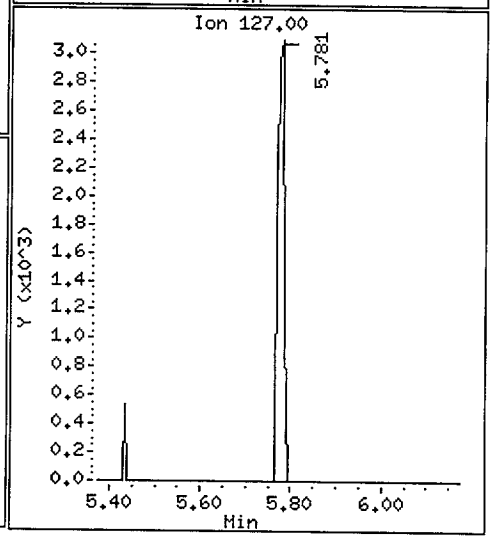












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

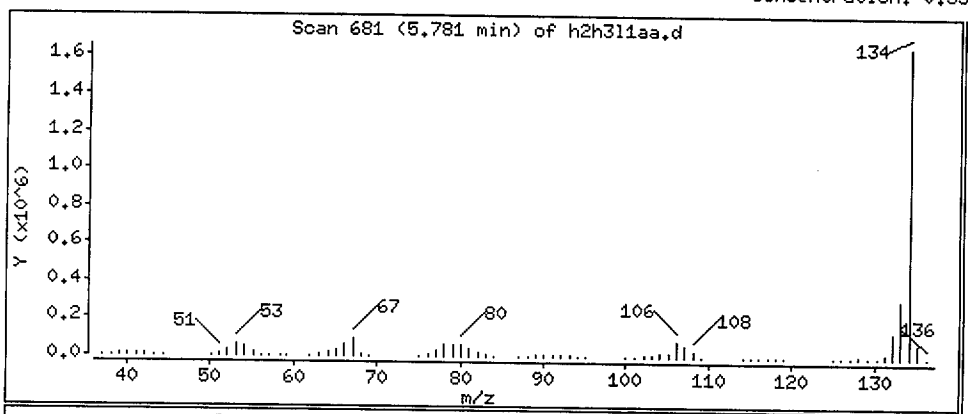
Operator: 60841

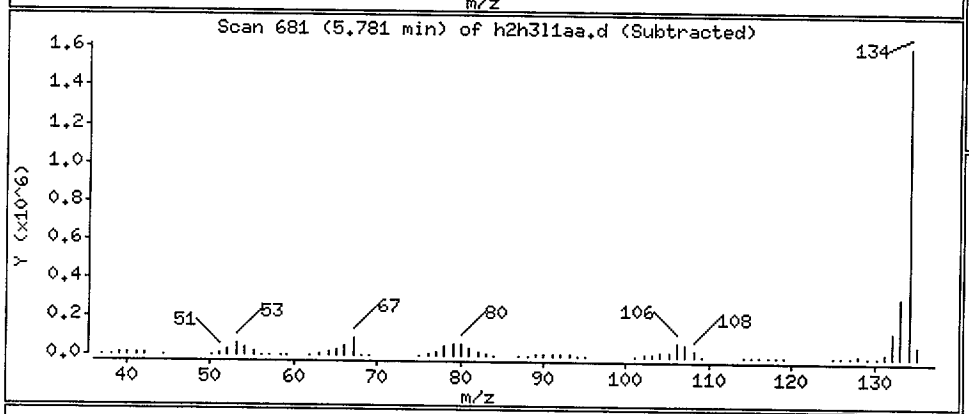
Column phase: ZB-5

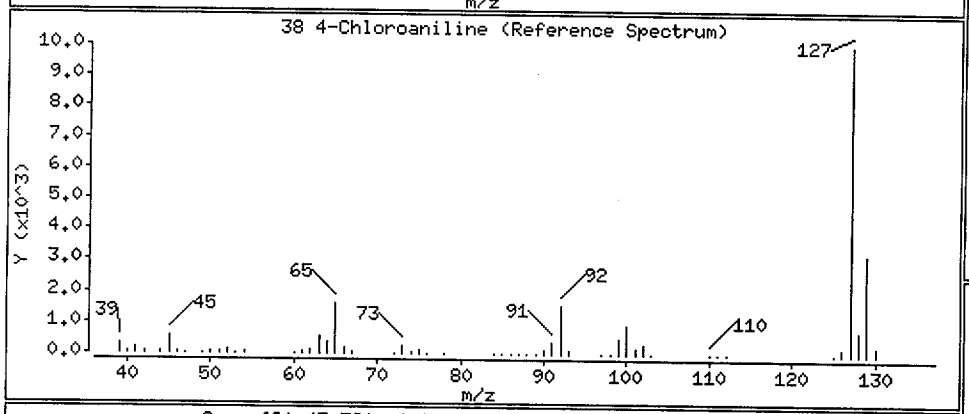
Column diameter: 0.25

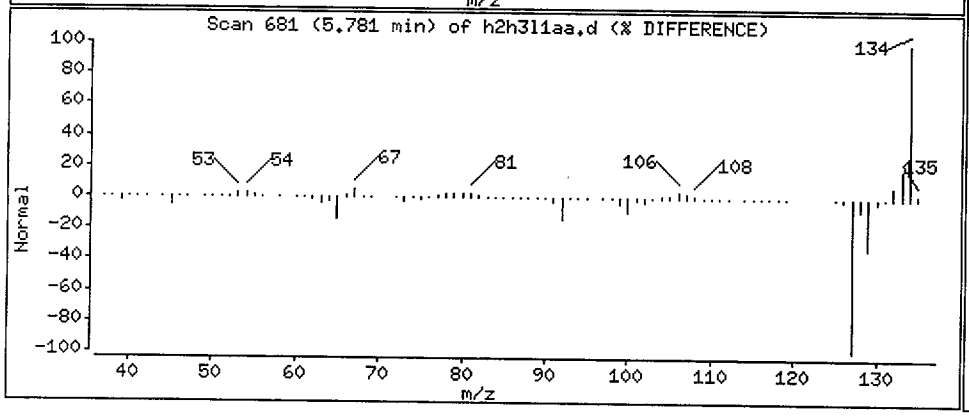
38 4-Chloroaniline

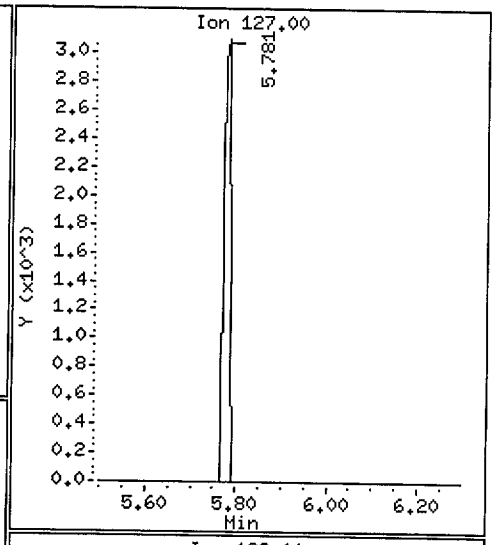
Concentration: 0.553 ug

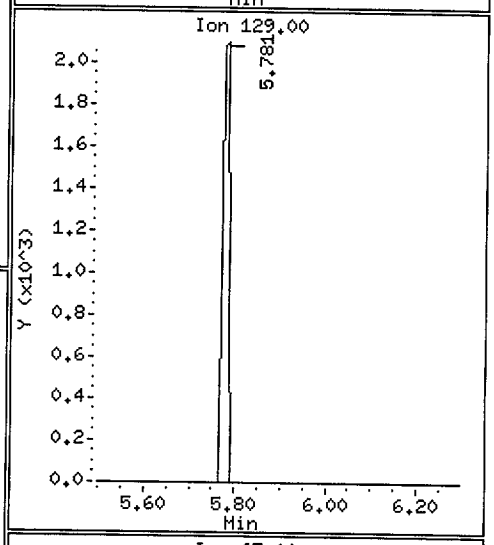


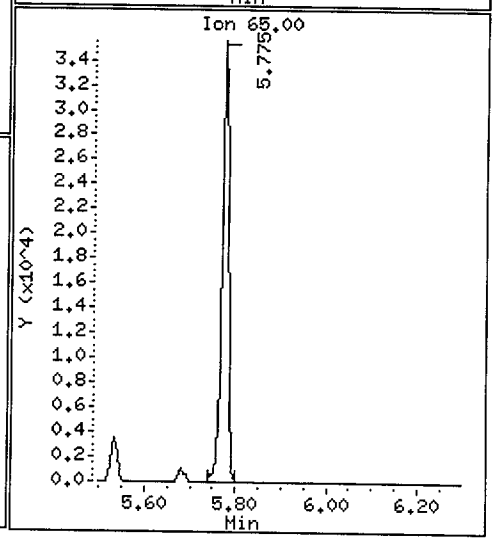












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

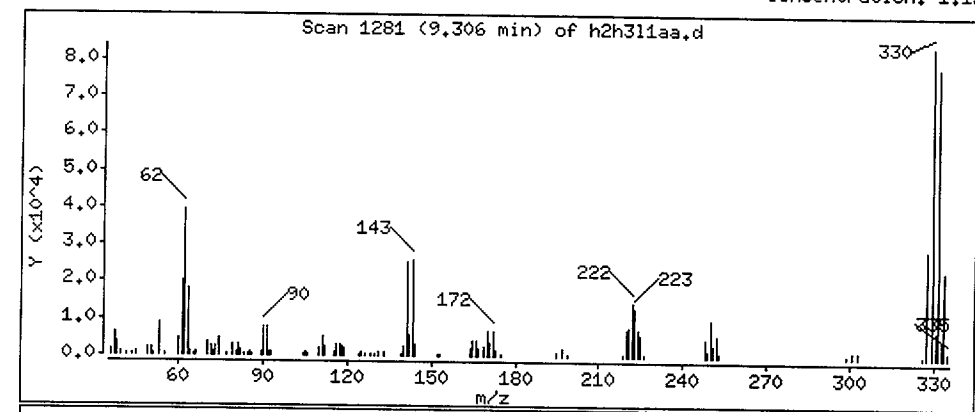
Operator: 60841

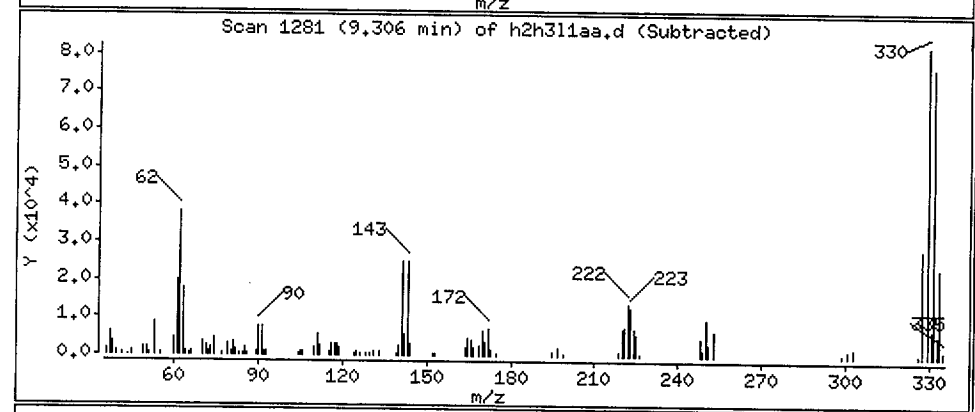
Column phase: ZB-5

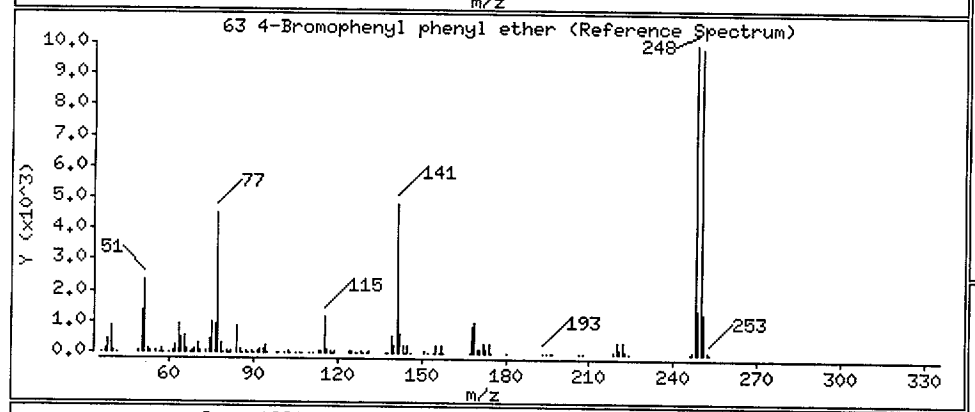
Column diameter: 0.25

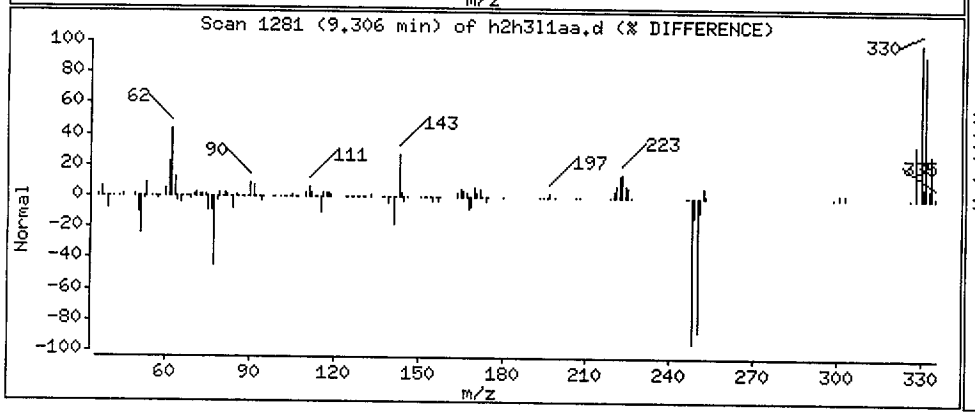
63 4-Bromophenyl phenyl ether

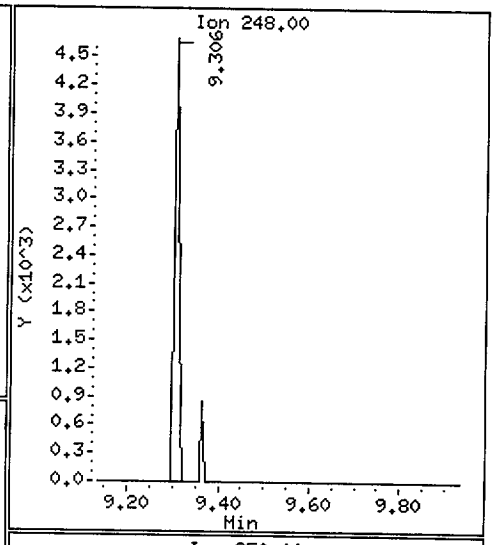
Concentration: 1.12 ug

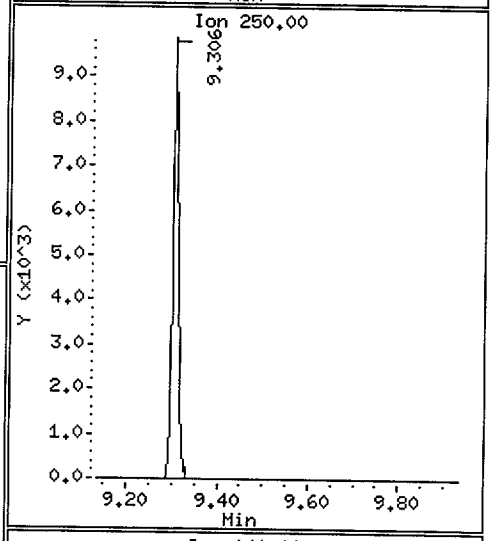


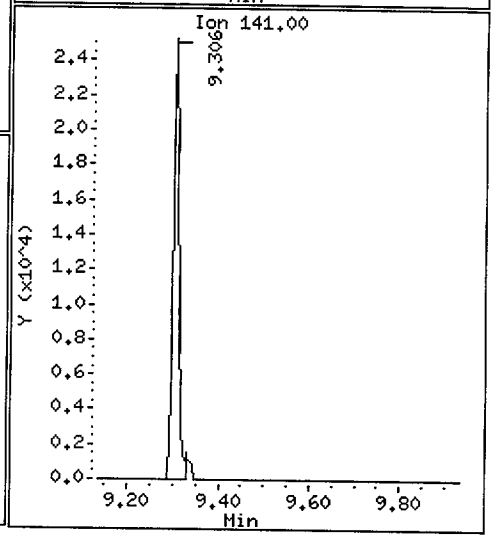












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

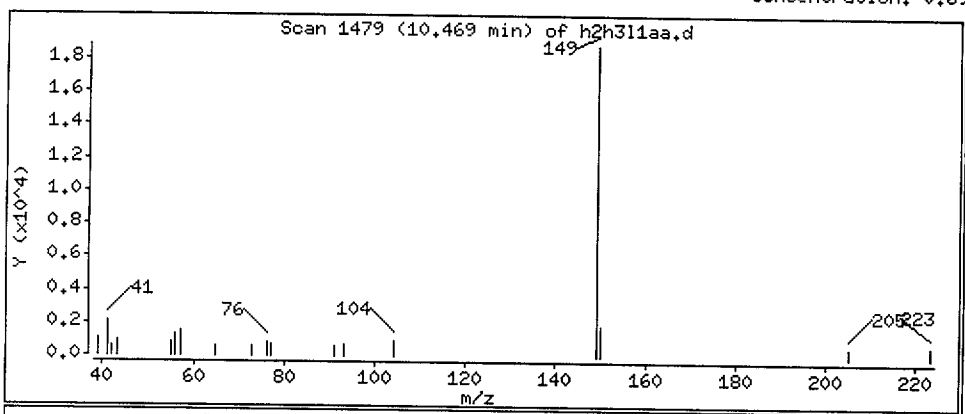
Operator: 60841

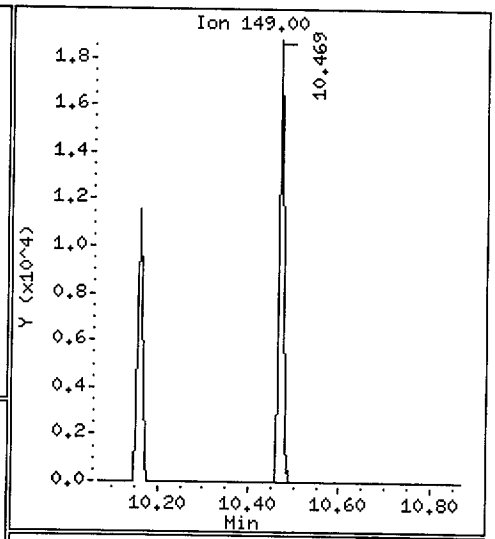
Column phase: ZB-5

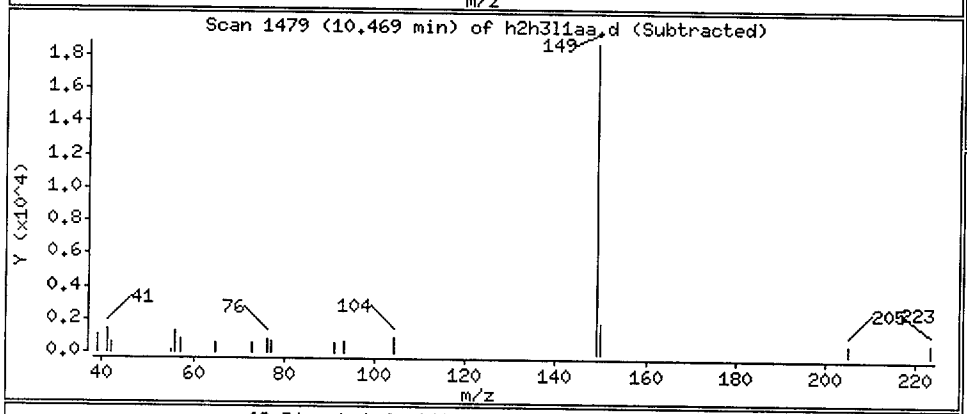
Column diameter: 0.25

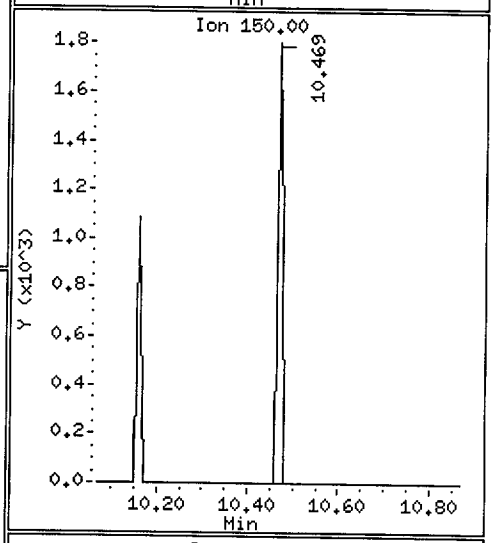
69 Di-n-butyl phthalate

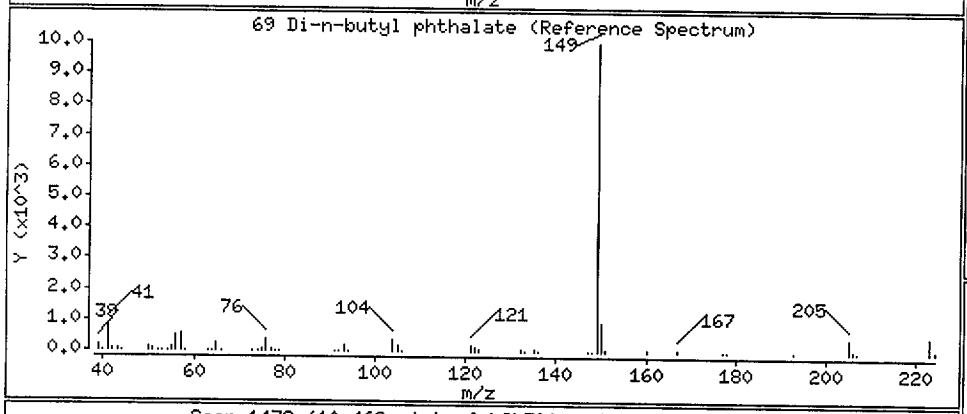
Concentration: 0.690 ug

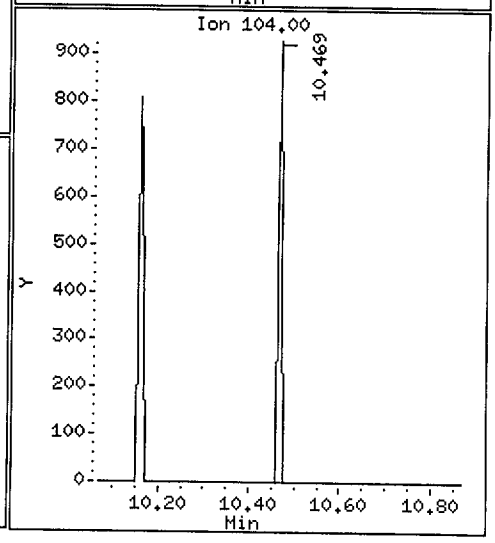


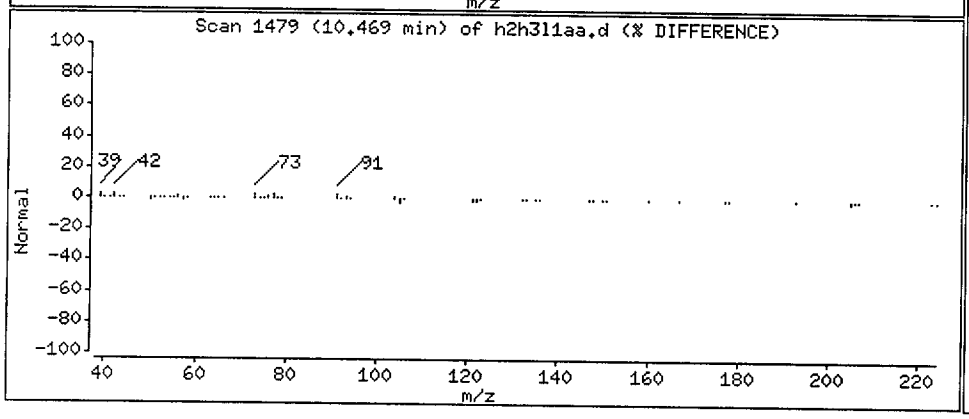












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

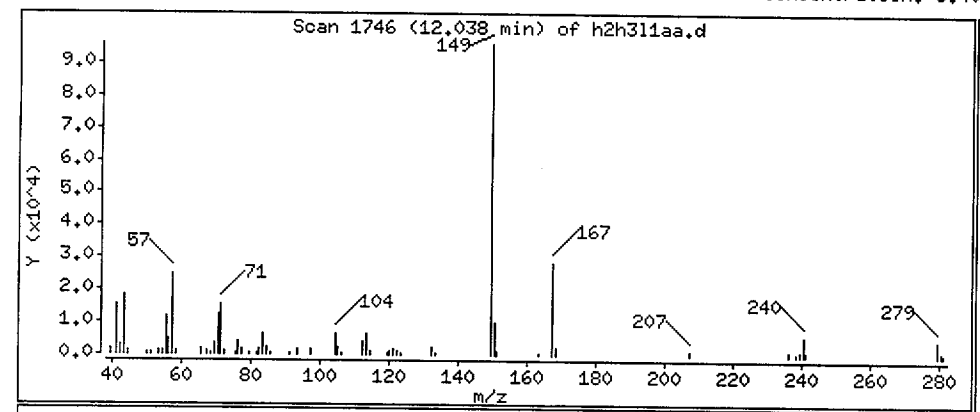
Operator: 60841

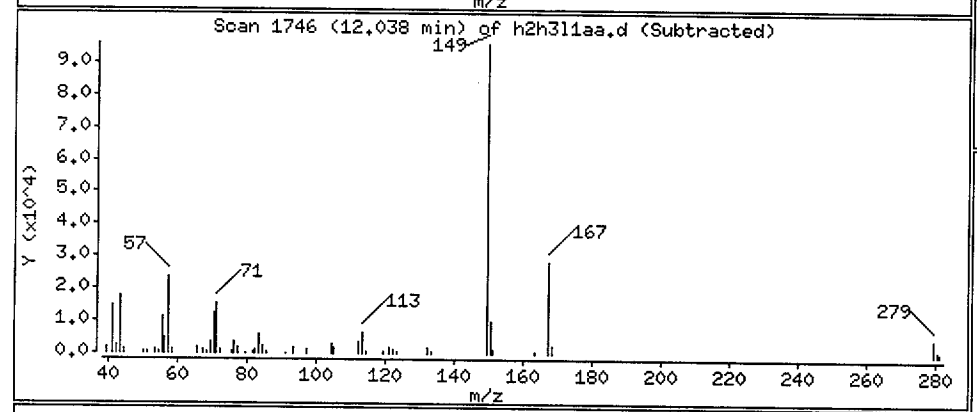
Column phase: ZB-5

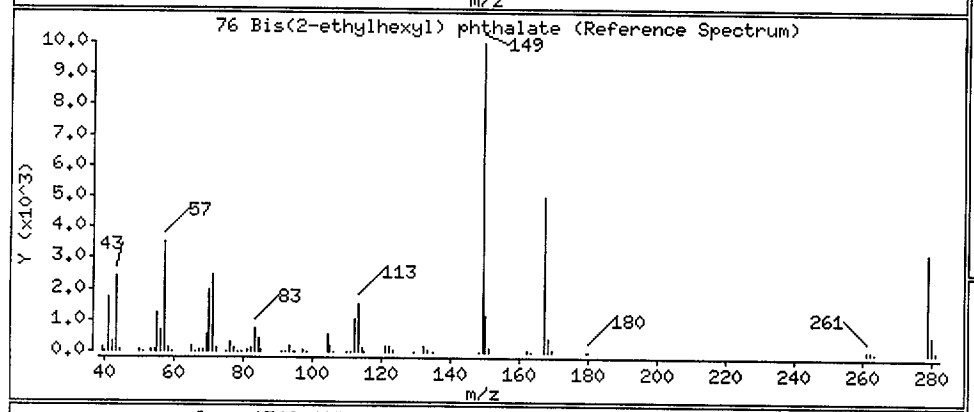
Column diameter: 0.25

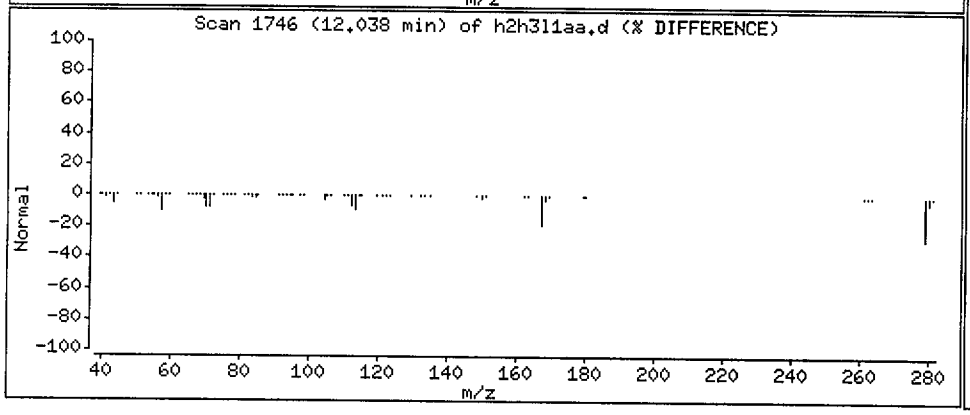
76 Bis(2-ethylhexyl) phthalate

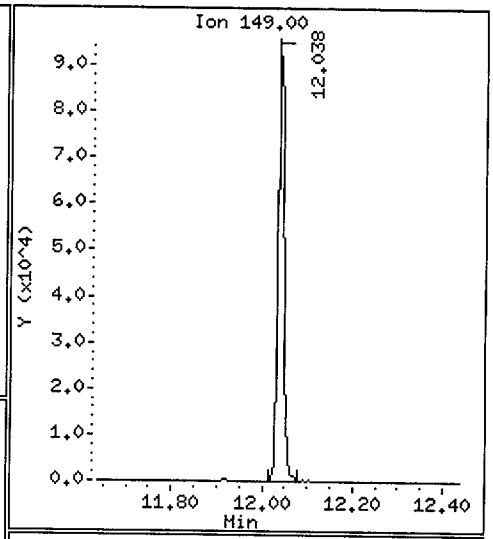
Concentration: 8.40 ug

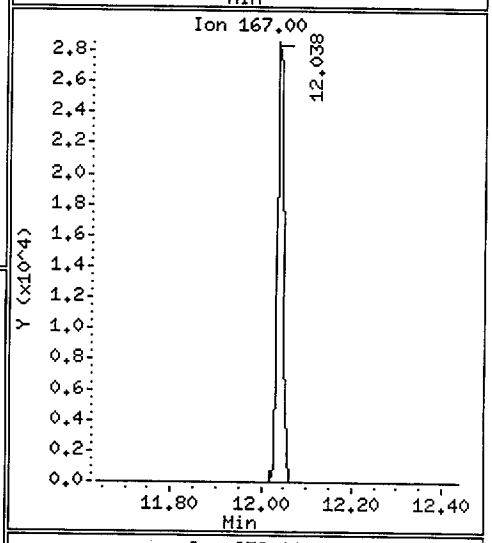


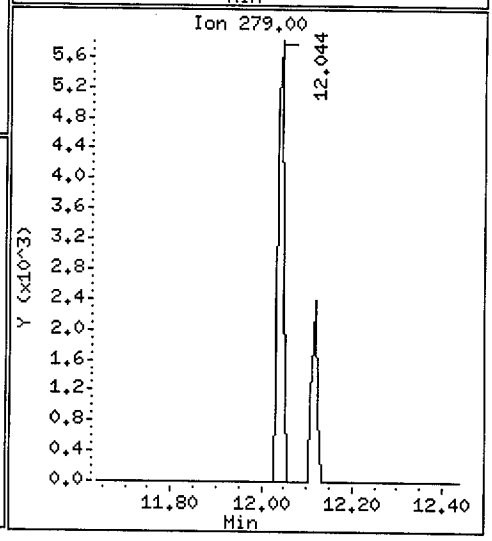












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

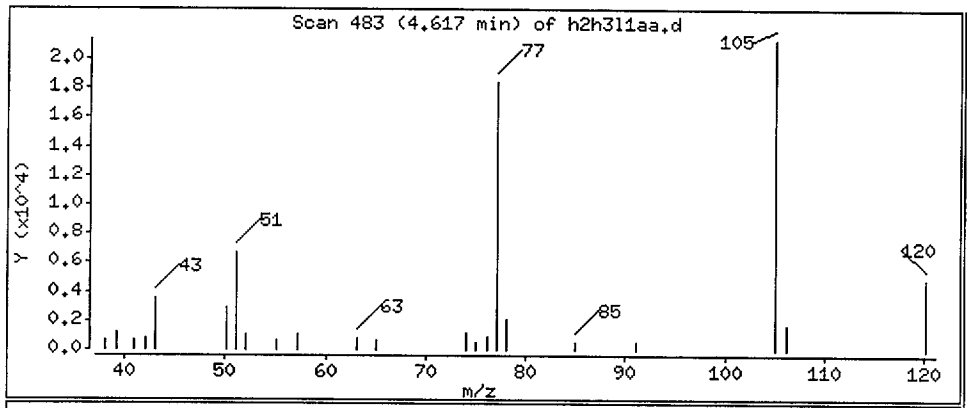
Operator: 60841

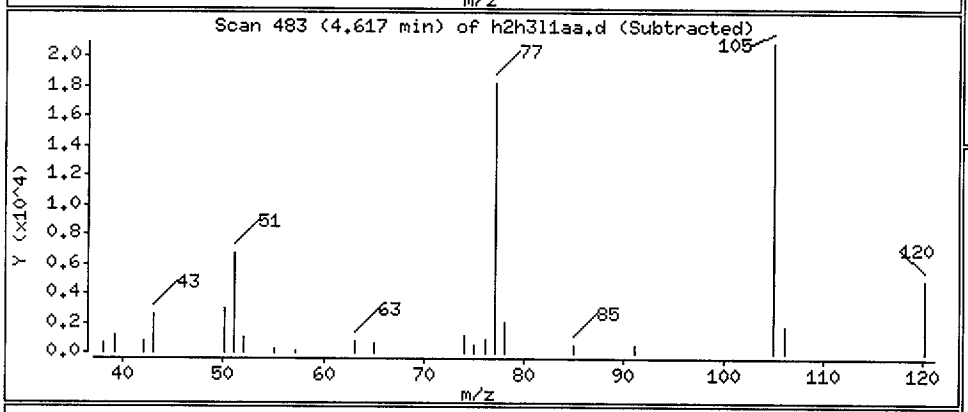
Column phase: ZB-5

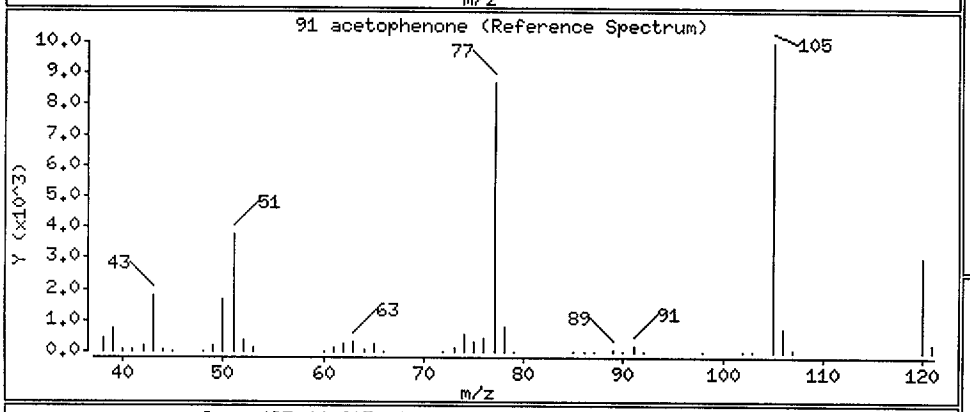
Column diameter: 0.25

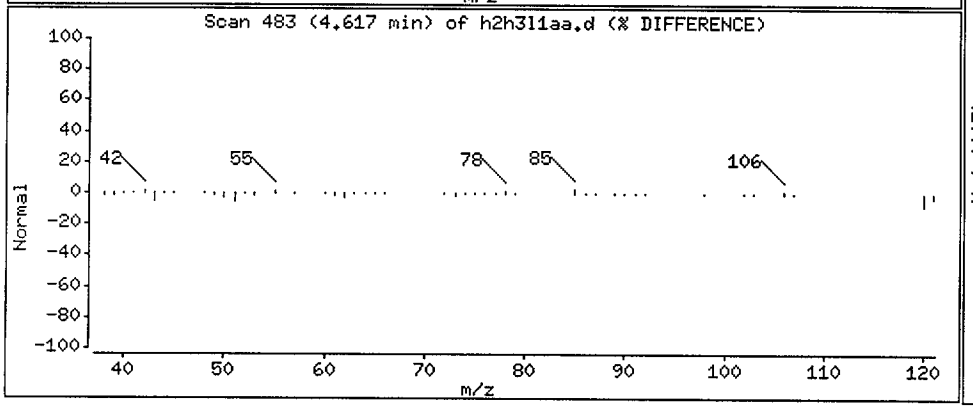
91 acetophenone

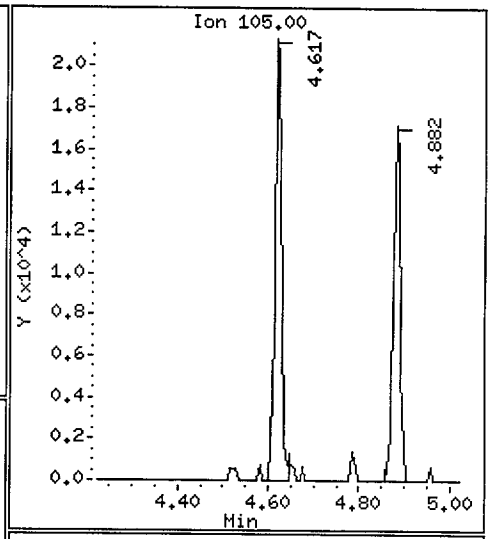
Concentration: 3.90 ug

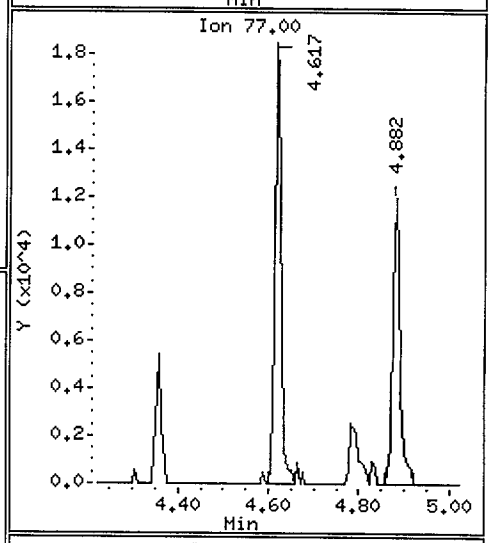


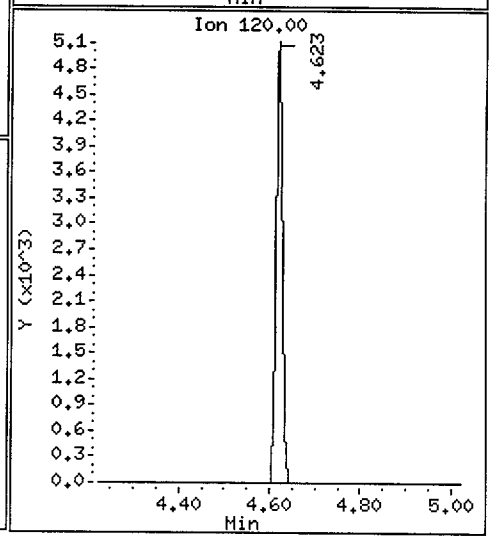












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

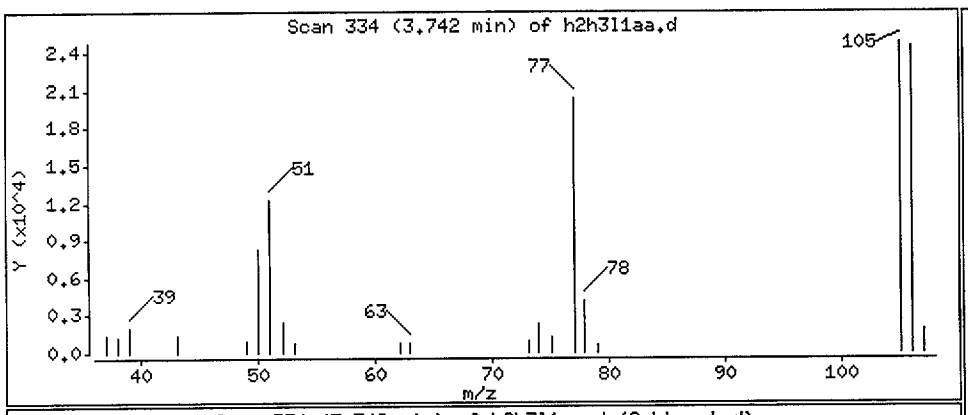
Client ID: G-2921/2922-R1-MM5 Instrument: md.i

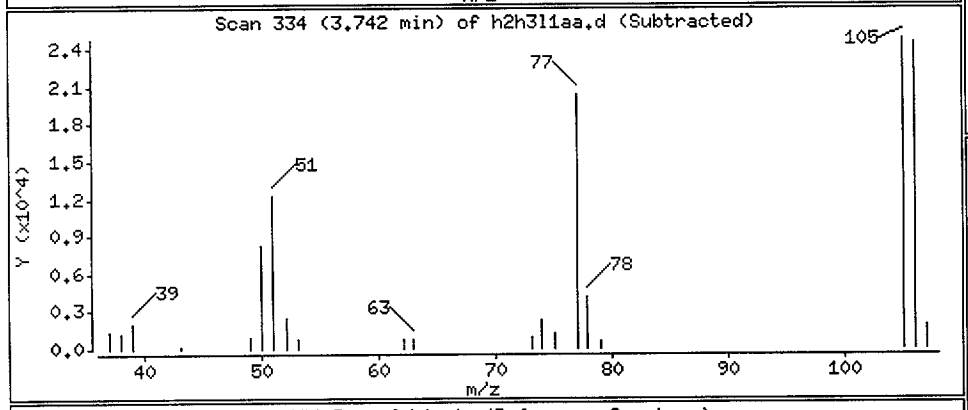
Sample Info: H2H3L1AA,,0,,,,

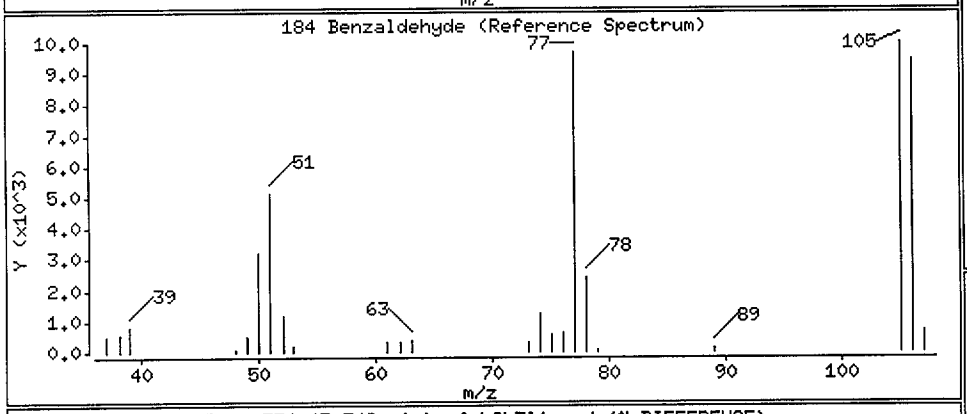
Volume Injected (uL): 1.0 Operator: 60841

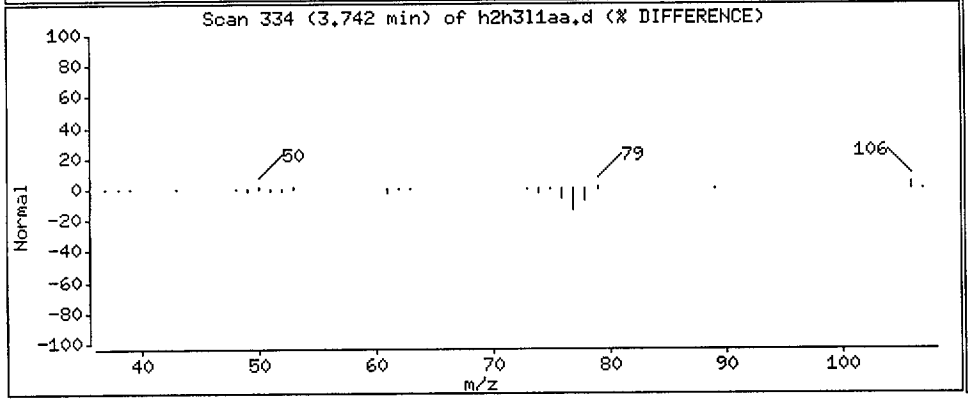
Column phase: ZB-5 Column diameter: 0.25

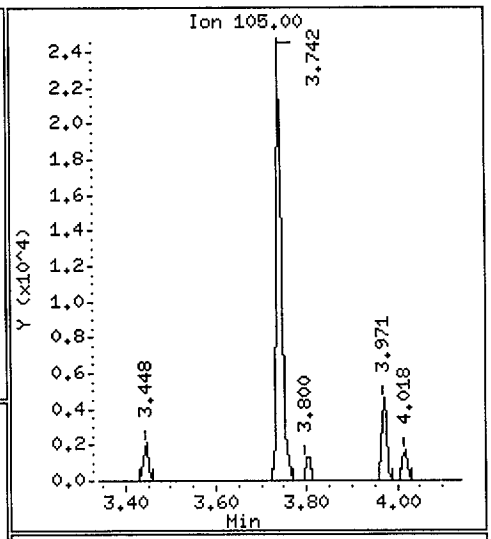
184 Benzaldehyde Concentration: 6.36 ug

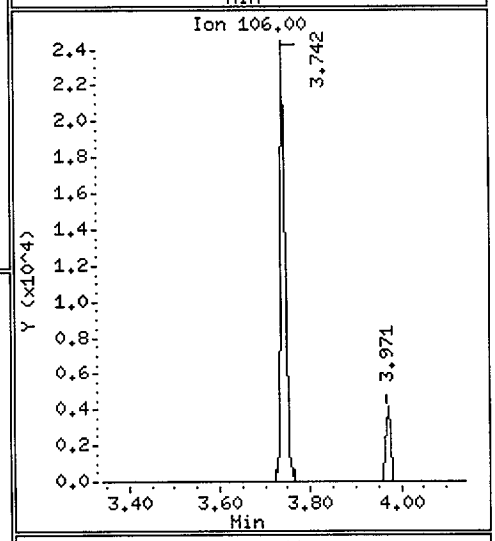


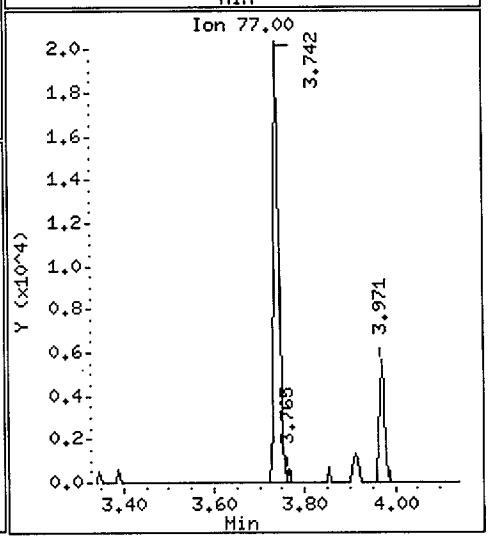












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0

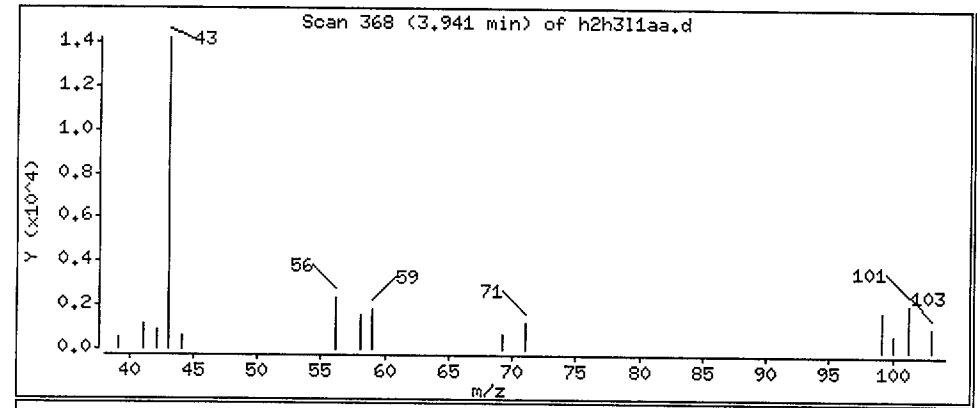
Operator: 60841

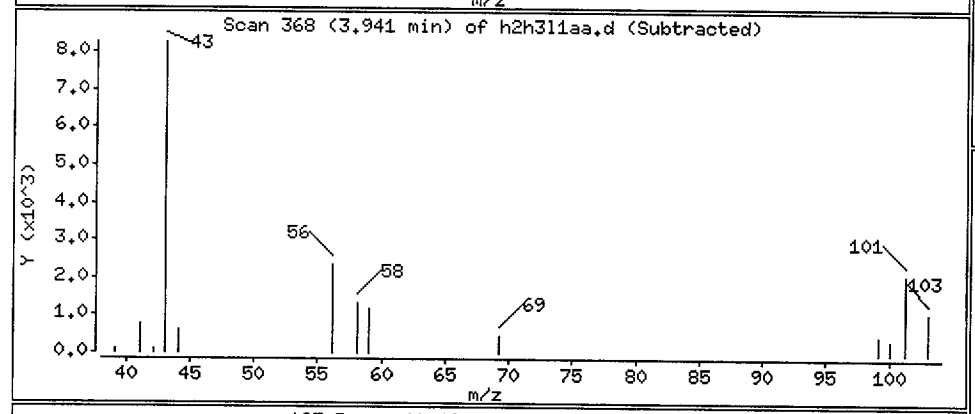
Column phase: ZB-5

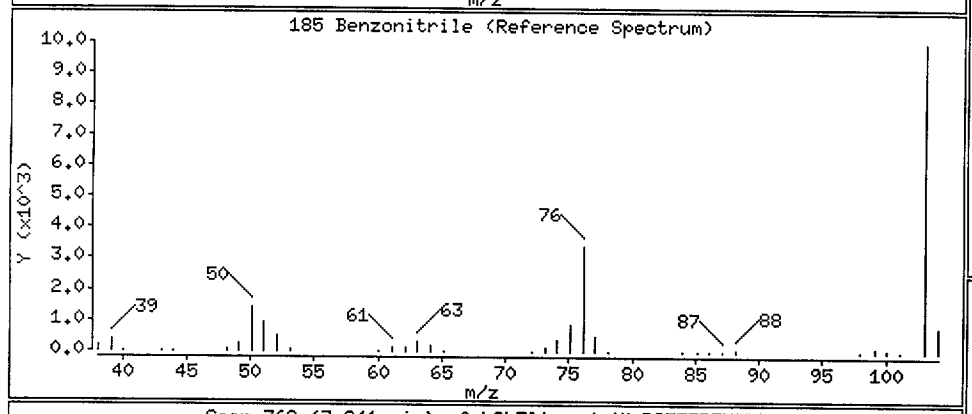
Column diameter: 0.25

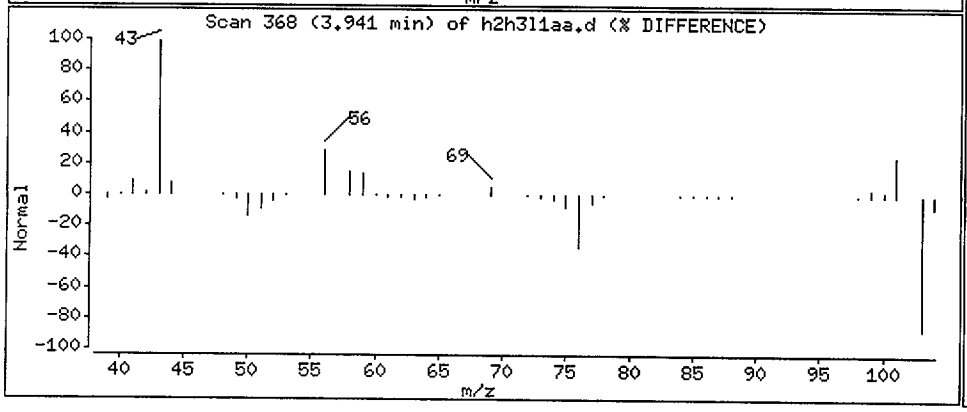
185 Benzonitrile

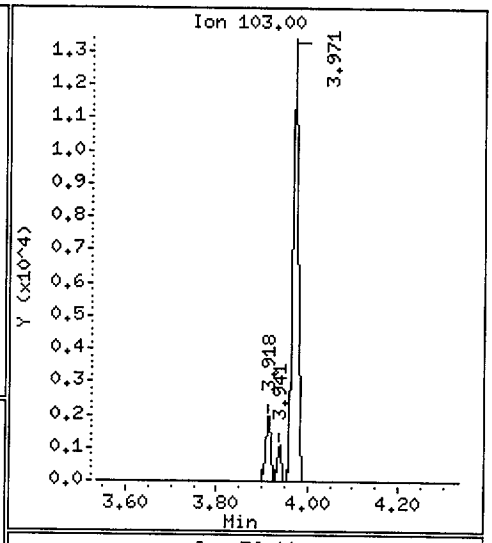
Concentration: 0.105 ug

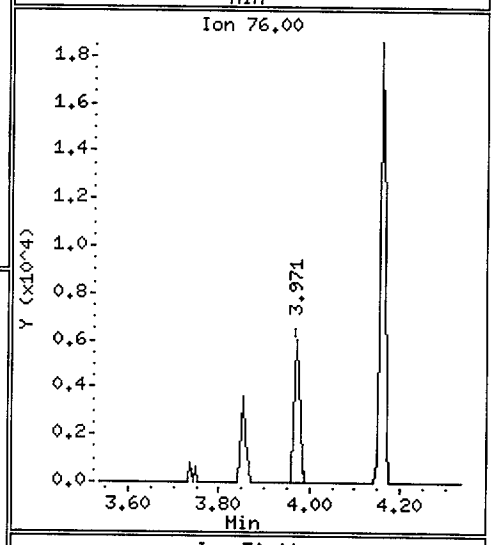


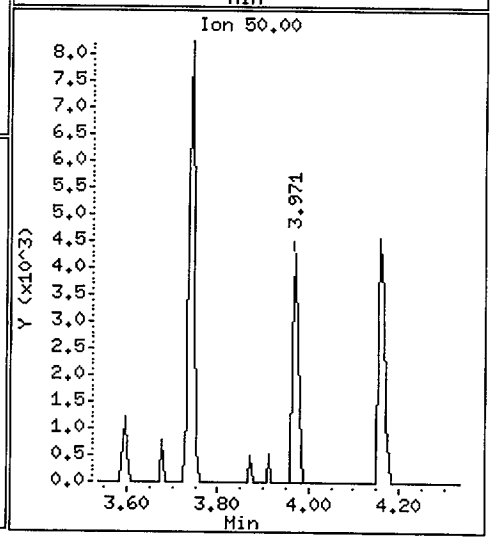












Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d
Report Date: 01-May-2006 10:53

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d
Lab Smp Id: H2H3L1AA Client Smp ID: G-2921/2922-R1-MM5
Inj Date : 28-APR-2006 11:50
Operator : 60841 Inst ID: md.i
Smp Info : H2H3L1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:50 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	472500	20.000
* 2 Naphthalene-d8	5.745	446370	20.000
* 5 Chrysene-d12	12.003	765201	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
2-Hexanol				CAS #: 626-93-7			
2.149	1645283	69.6416085	69.6	83	NIST05.1	4309	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Report Date: 01-May-2006 10:53

	RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Toluene						CAS #: 108-88-3		
	2.232	603653	25.5514497	25.6	94	NIST05.1	2396	1
Methane, dibromochloro-						CAS #: 124-48-1		
	2.431	230169	9.74260317	9.74	98	NIST05.1	61862	1
Tetrachloroethylene						CAS #: 127-18-4		
	2.543	1780787	75.3772275	75.4	99	NIST05.1	32248	1
Cyclotrisiloxane, hexamethyl- Si						CAS #: 541-05-9		
	2.578	137387	5.81532275	5.82	78	NIST05.1	73121	1
Heptane, 2,4-dimethyl-						CAS #: 2213-23-2		
	2.602	97860	4.14222222	4.14	78	NIST05.1	12302	1
Heptane, 2,6-dimethyl-						CAS #: 1072-05-5		
	2.655	220545	9.33523810	9.34	78	NIST05.1	12297	1
Heptane, 2,5-dimethyl-						CAS #: 2216-30-0		
	2.708	423514	17.9265185	17.9	94	NIST05.1	12291	1
2-Pentanone, 4-hydroxy-4-methyl-						CAS #: 123-42-2		
	2.778	13999232	592.560085	592	50	NIST05.1	7951	1
Benzene, chloro-						CAS #: 108-90-7		
	2.825	9925688	420.134942	420	97	NIST05.1	6171	1
Methane, tribromo-						CAS #: 75-25-2		
	3.136	247246	10.4654392	10.5	97	NIST05.1	92333	1
5-Fluoro-2-chloropyrimidine S						CAS #: 62802-42-0		
	3.971	873481	36.9727407	37.0	25	NIST05.1	13699	1
1,4-Dichlorobenzene-D4 S						CAS #: 3855-82-1		
	4.359	573833	24.2892275	24.3	97	NIST05.1	23150	1
Benzaldehyde, 4-ethyl-						CAS #: 4748-78-1		
	5.534	132320	5.92871385	5.93	89	NIST05.1	14797	2
Phosphine imide, P,P,P-triphenyl-						CAS #: 2240-47-3		
	12.114	181985	4.75652802	4.76	93	NIST05.1	110109	5

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

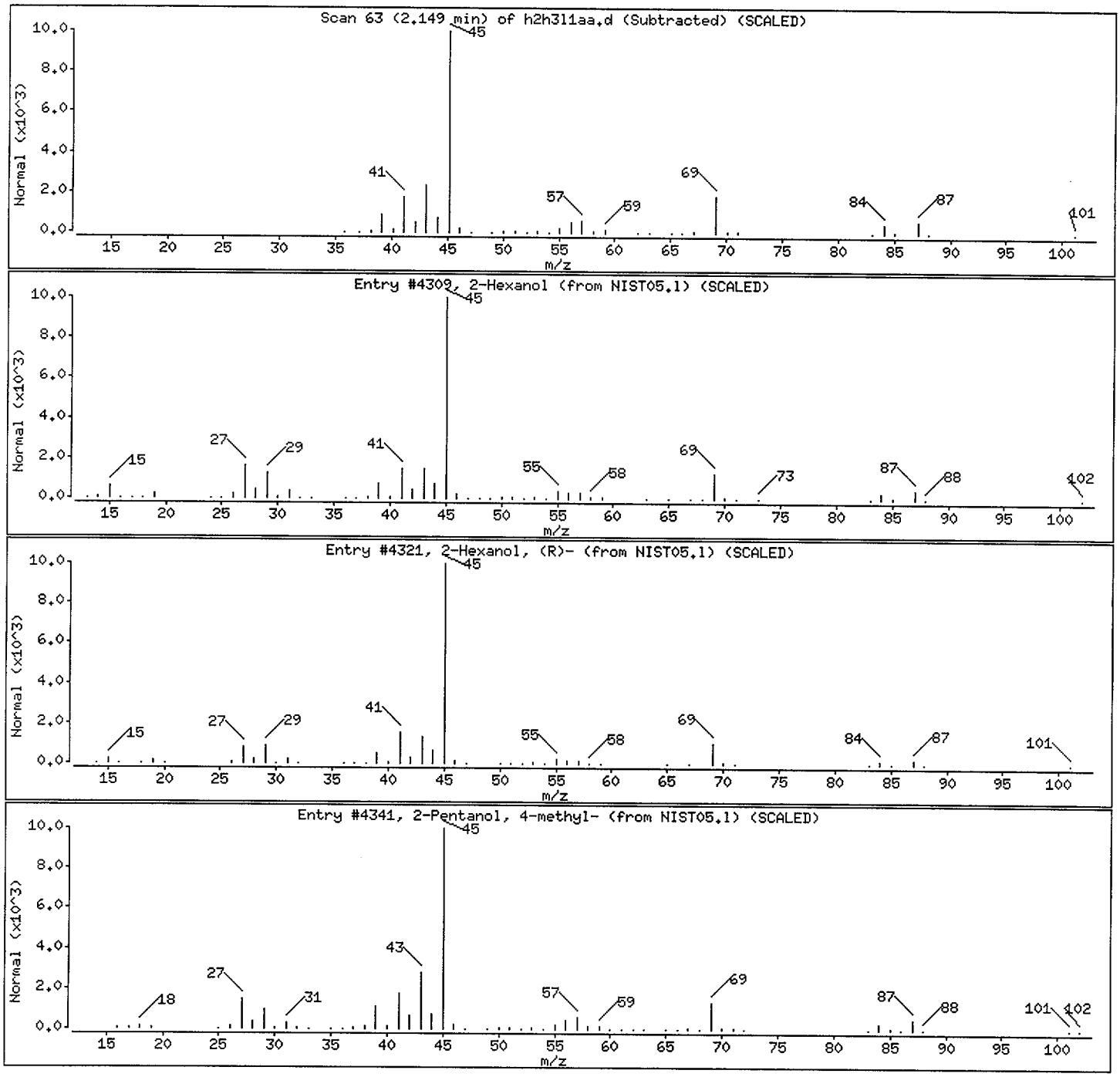
Client ID: G-2921/2922-R1-MM5 Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Hexanol	626-93-7	NIST05.1	4309	83	C6H14O	102
2-Hexanol, (R)-	26549-24-6	NIST05.1	4321	78	C6H14O	102
2-Pentanol, 4-methyl-	108-11-2	NIST05.1	4341	74	C6H14O	102



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

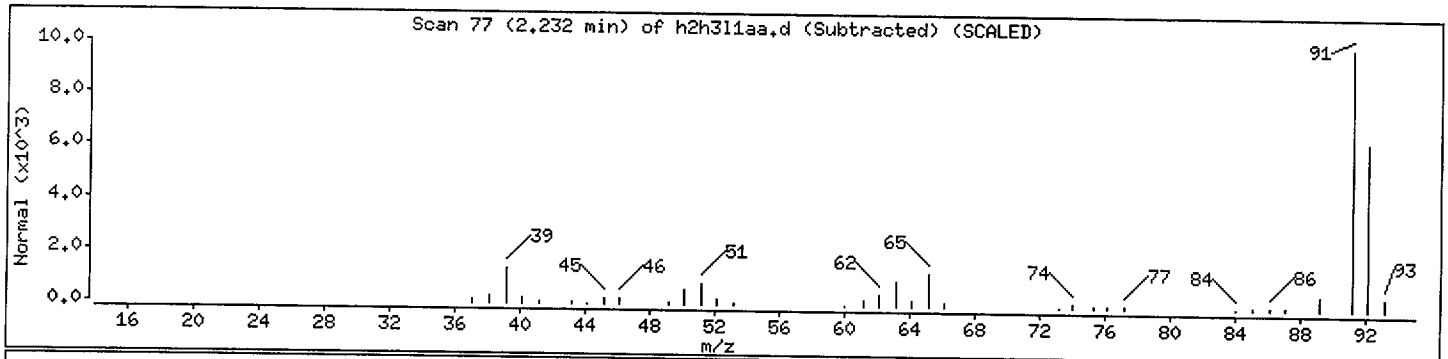
Volume Injected (uL): 1.0

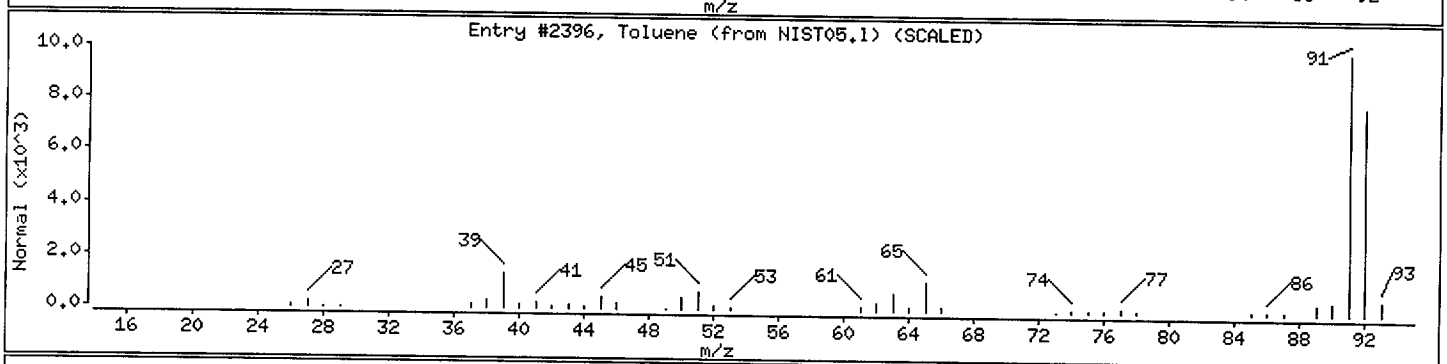
Operator: 60841

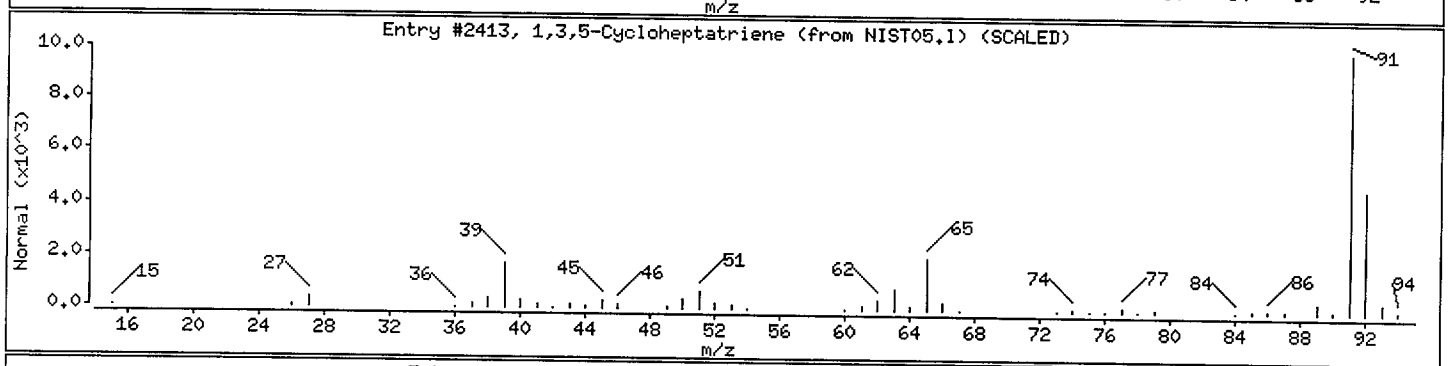
Column phase: ZB-5

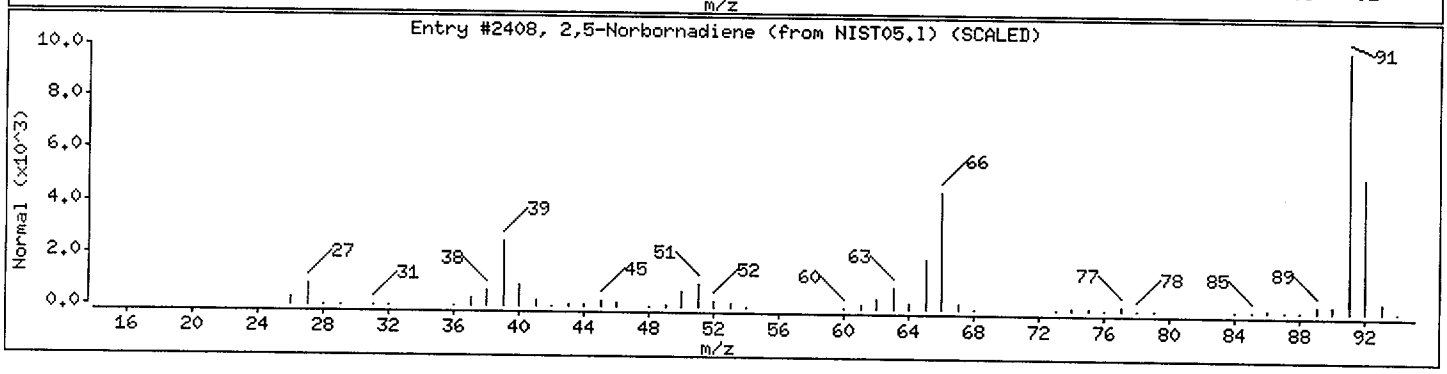
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NIST05.1	2396	94	C7H8	92
1,3,5-Cycloheptatriene	544-25-2	NIST05.1	2413	90	C7H8	92
2,5-Norbornadiene	121-46-0	NIST05.1	2408	83	C7H8	92









Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

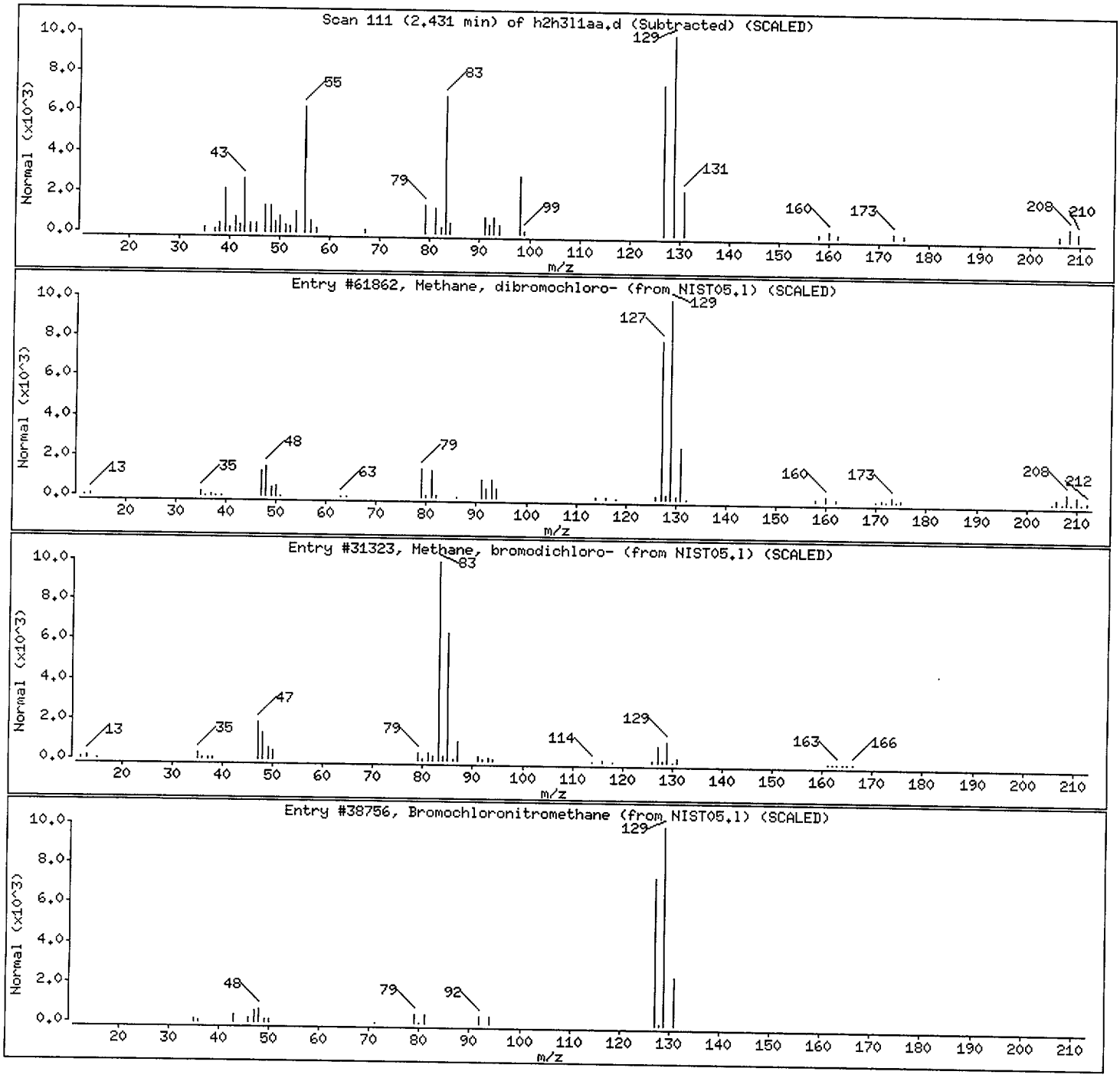
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dibromochloro-	124-48-1	NIST05.1	61862	98	CHBr2Cl	206
Methane, bromodichloro-	75-27-4	NIST05.1	31323	72	CHBrCl2	162
Bromochloronitromethane	135531-25-8	NIST05.1	38756	53	CHBrClNO2	173



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

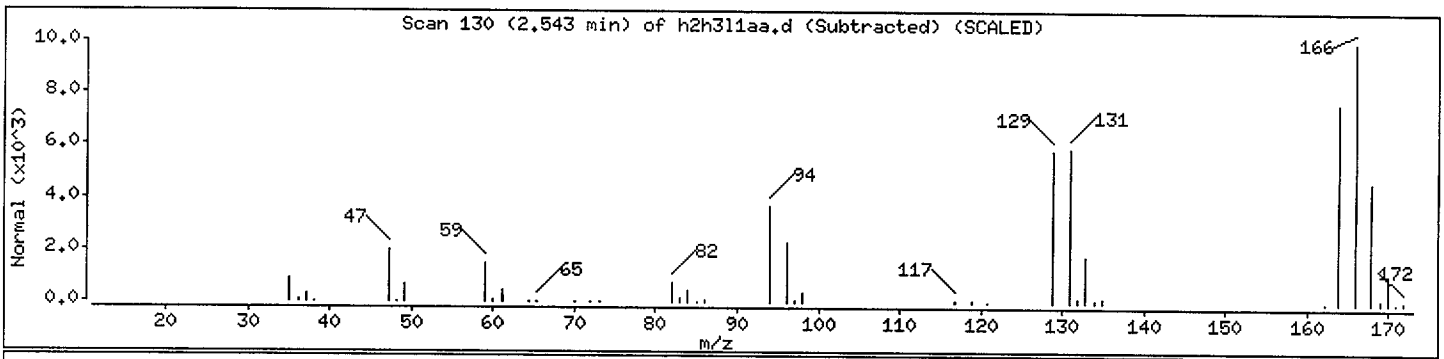
Client ID: G-2921/2922-R1-MM5 Instrument: md.i

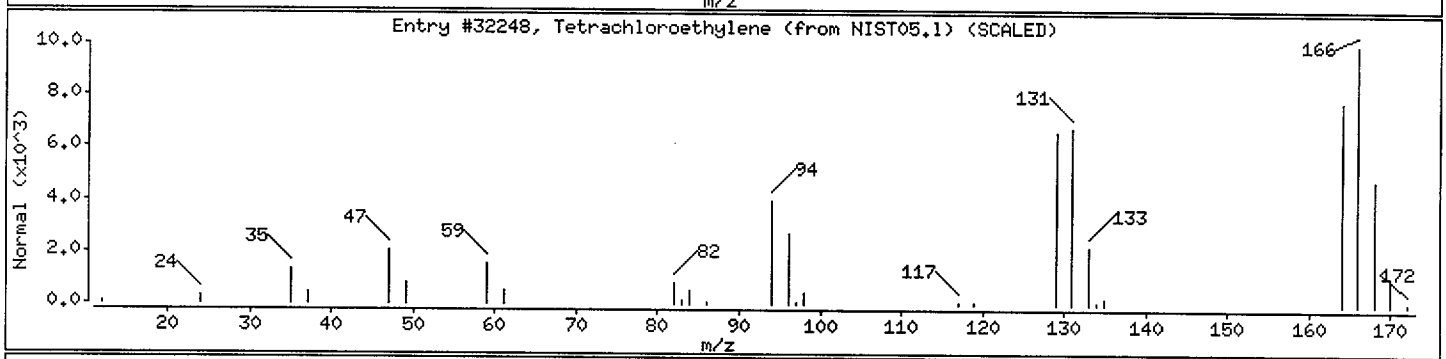
Sample Info: H2H3L1AA,,0,,,,

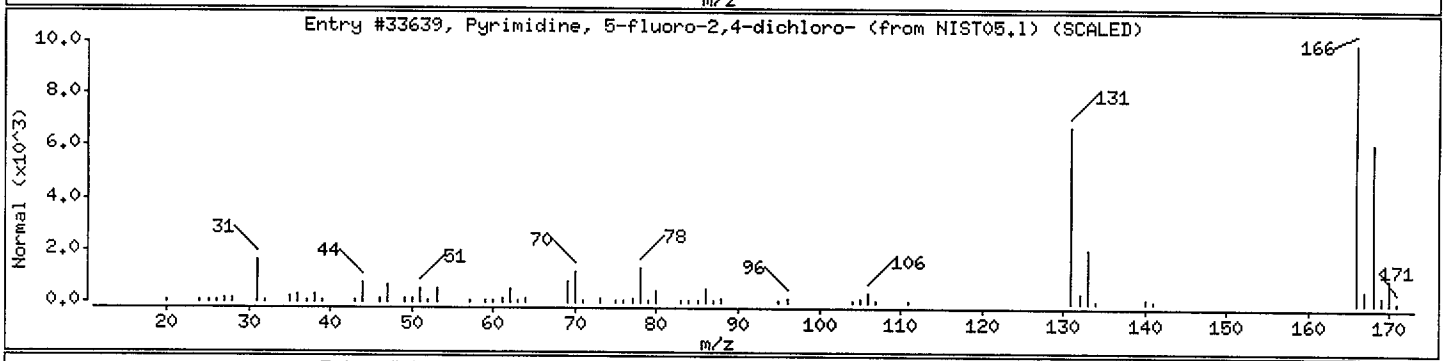
Volume Injected (uL): 1.0 Operator: 60841

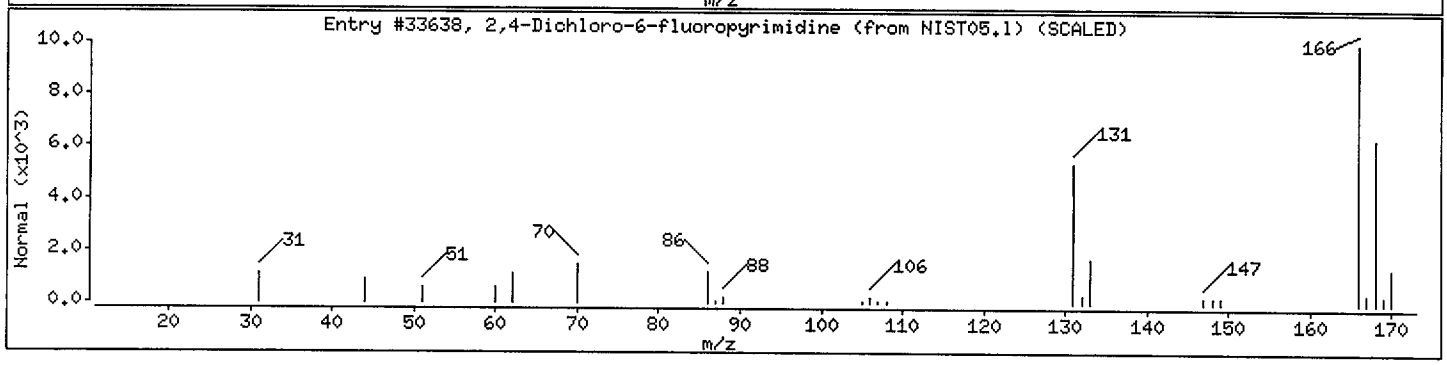
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloroethylene	127-18-4	NIST05.1	32248	99	C2Cl4	164
Pyrimidine, 5-fluoro-2,4-dichloro-	2927-71-1	NIST05.1	33639	38	C4HCl2FN2	166
2,4-Dichloro-6-fluoropyrimidine	3833-57-6	NIST05.1	33638	38	C4HCl2FN2	166









Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-HM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

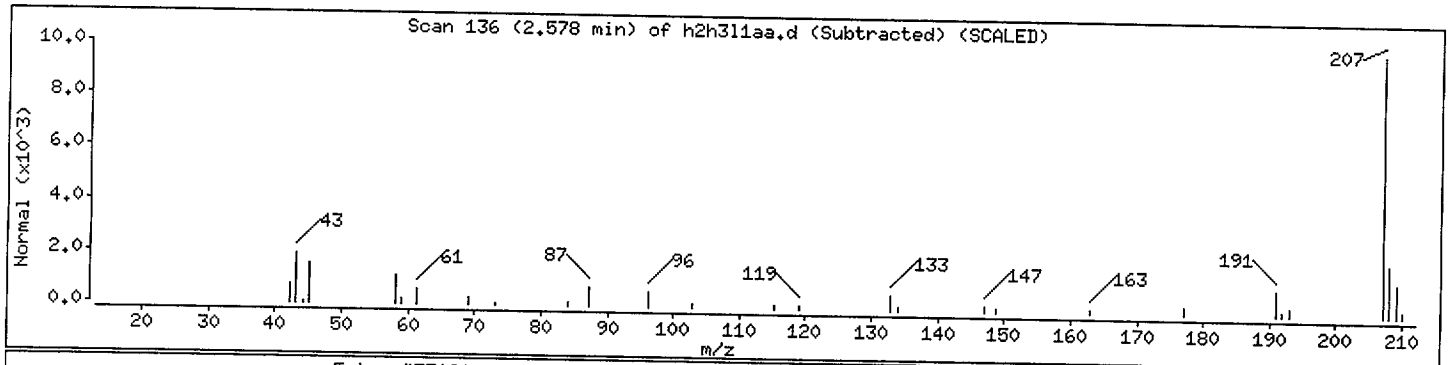
Volume Injected (uL): 1.0

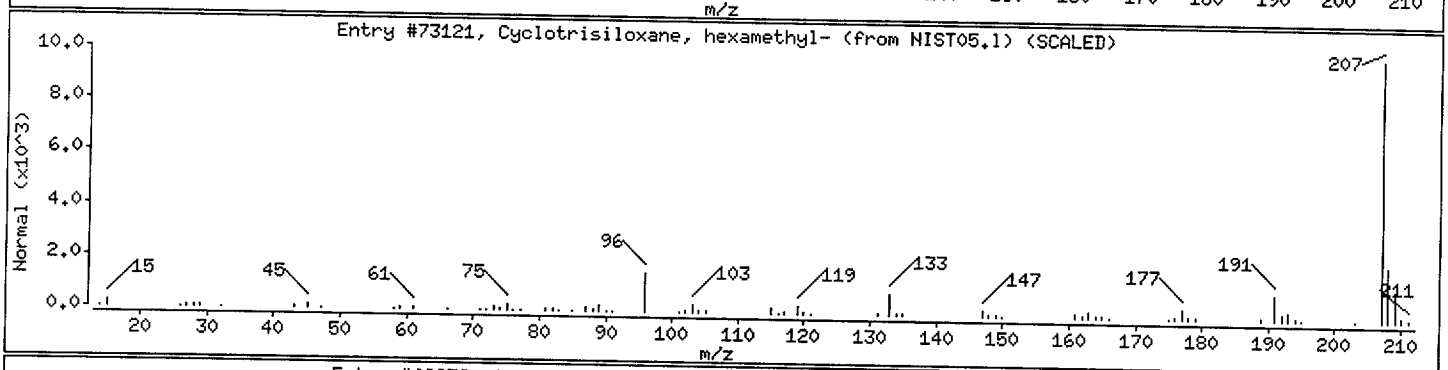
Operator: 60841

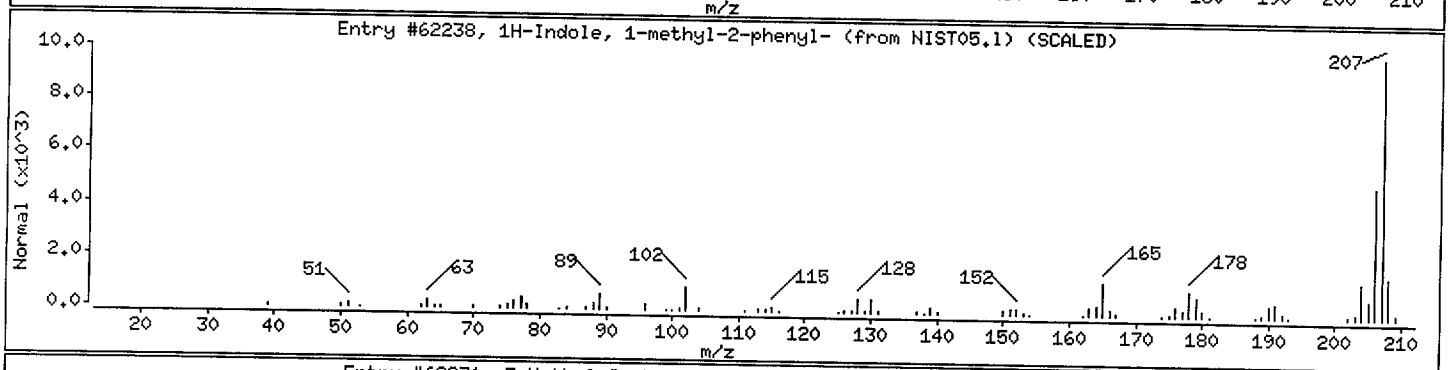
Column phase: ZB-5

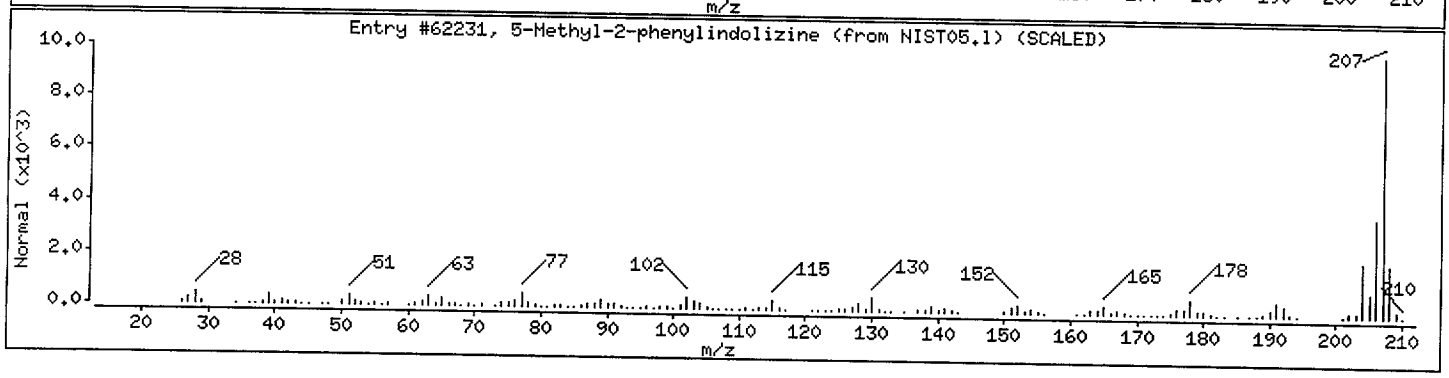
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.l	73121	78	C6H18O3Si3	222
1H-Indole, 1-methyl-2-phenyl-	3558-24-5	NIST05.l	62238	50	C15H13N	207
5-Methyl-2-phenylindolizine	36944-99-7	NIST05.l	62231	38	C15H13N	207









Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d

Date : 28-APR-2006 11:50

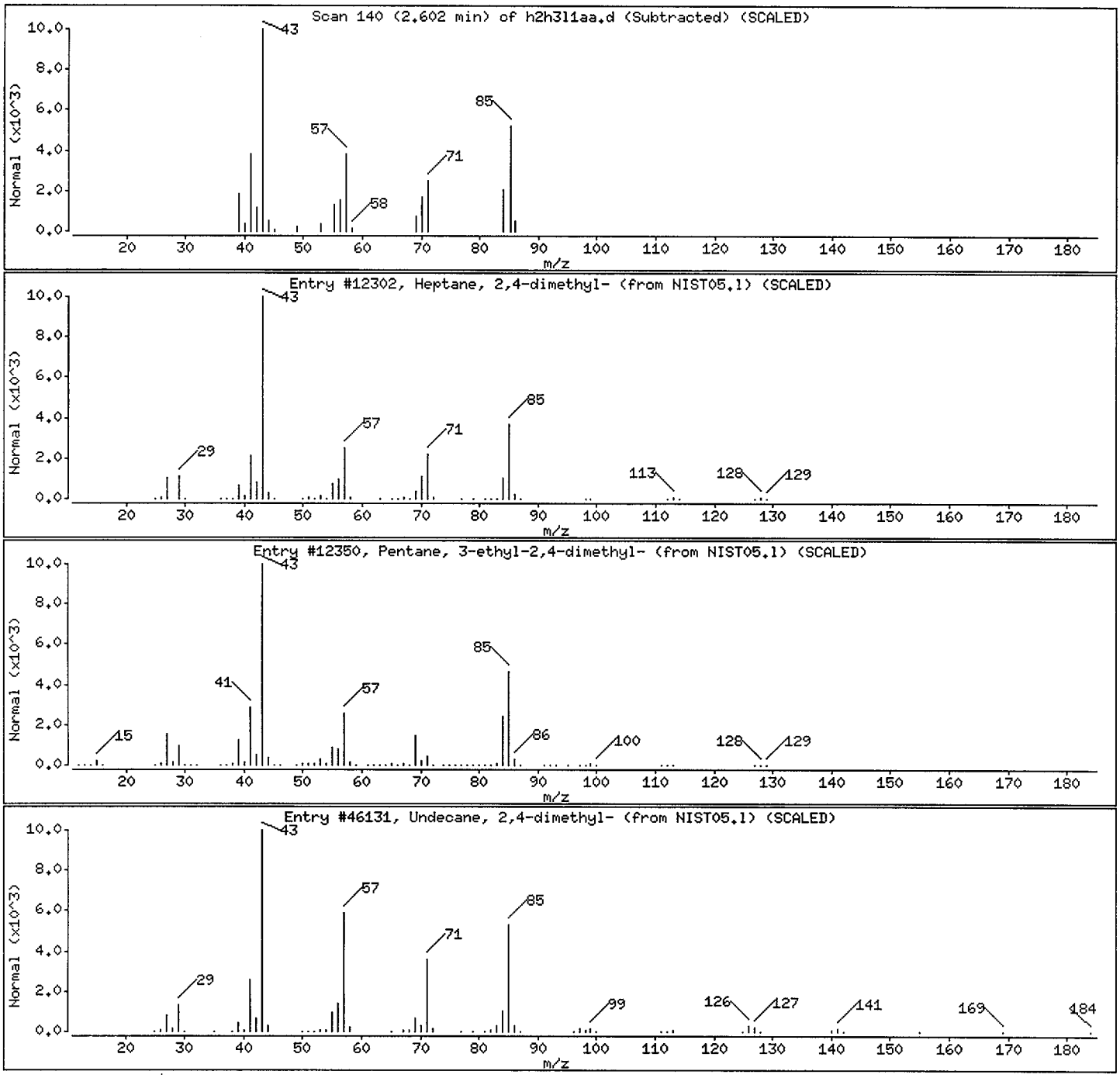
Client ID: G-2921/2922-R1-MM5 Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,4-dimethyl-	2213-23-2	NIST05.l	12302	78	C9H20	128
Pentane, 3-ethyl-2,4-dimethyl-	1068-87-7	NIST05.l	12350	64	C9H20	128
Undecane, 2,4-dimethyl-	17312-80-0	NIST05.l	46131	64	C13H28	184



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

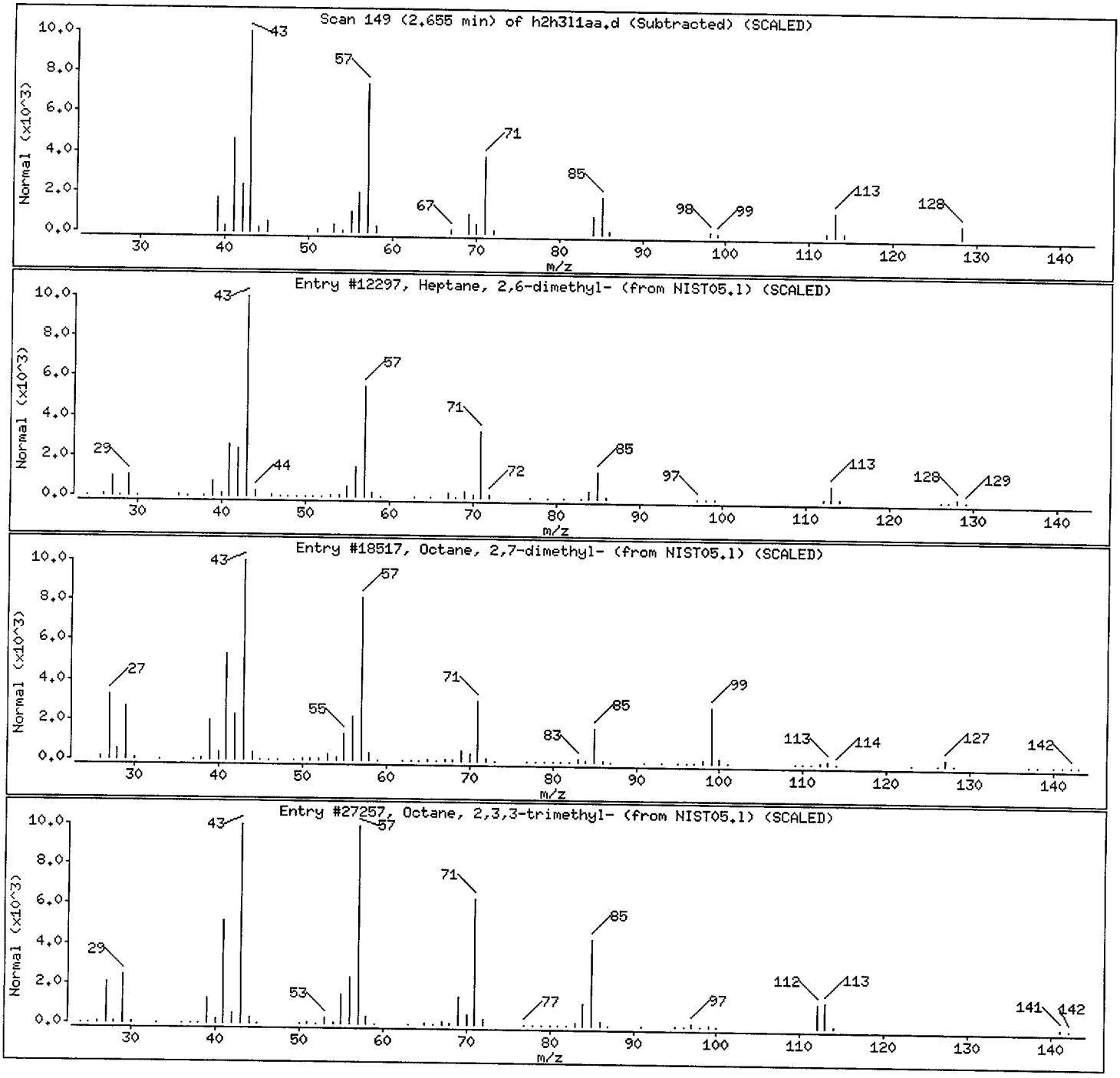
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,6-dimethyl-	1072-05-5	NIST05.1	12297	78	C9H20	128
Octane, 2,7-dimethyl-	1072-16-8	NIST05.1	18517	64	C10H22	142
Octane, 2,3,3-trimethyl-	62016-30-2	NIST05.1	27257	59	C11H24	156



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Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

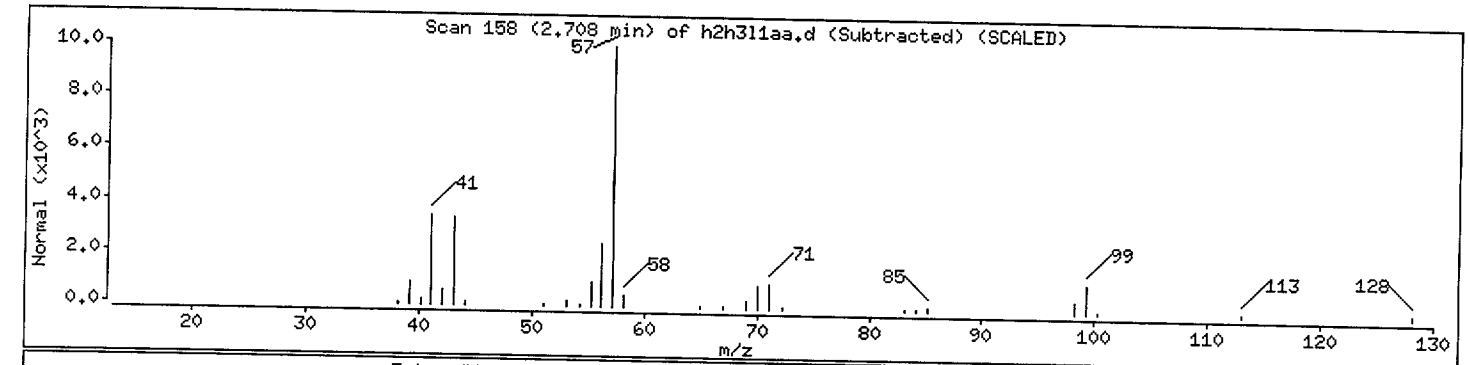
Volume Injected (uL): 1.0

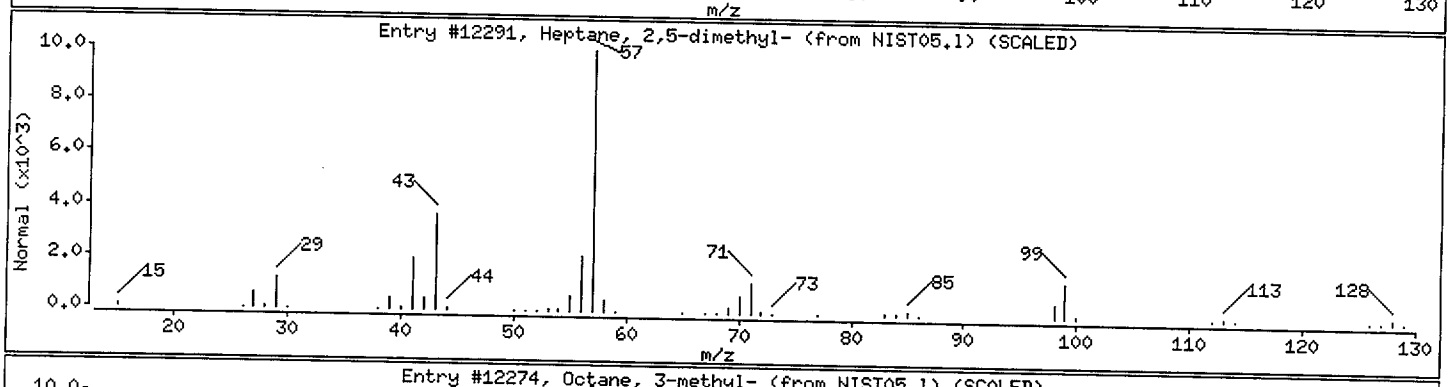
Operator: 60841

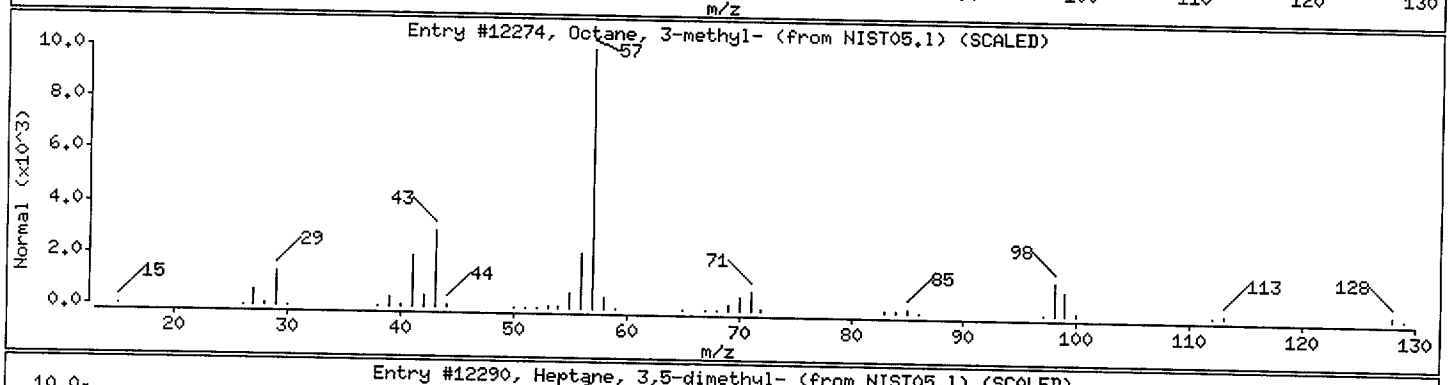
Column phase: ZB-5

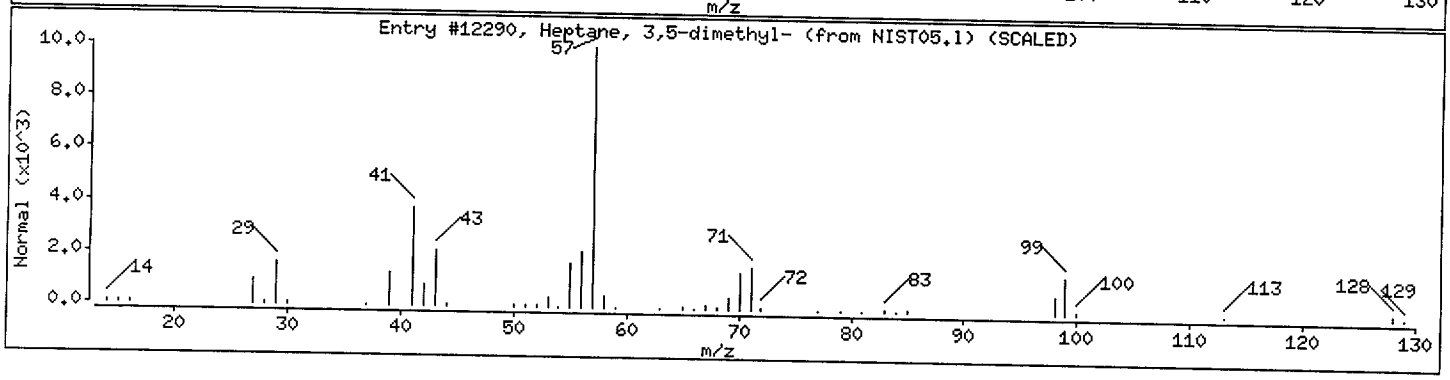
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.l	12291	94	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.l	12274	90	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.l	12290	62	C9H20	128









Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

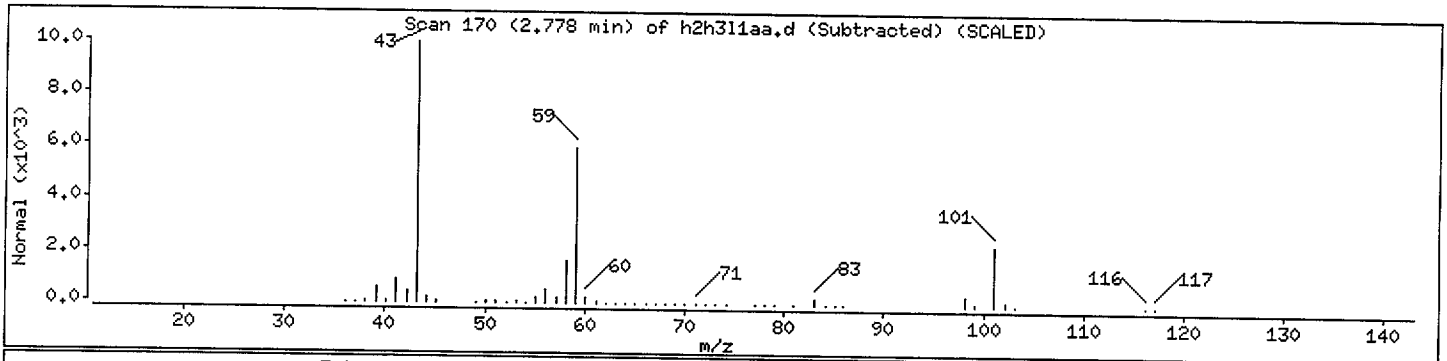
Volume Injected (uL): 1.0

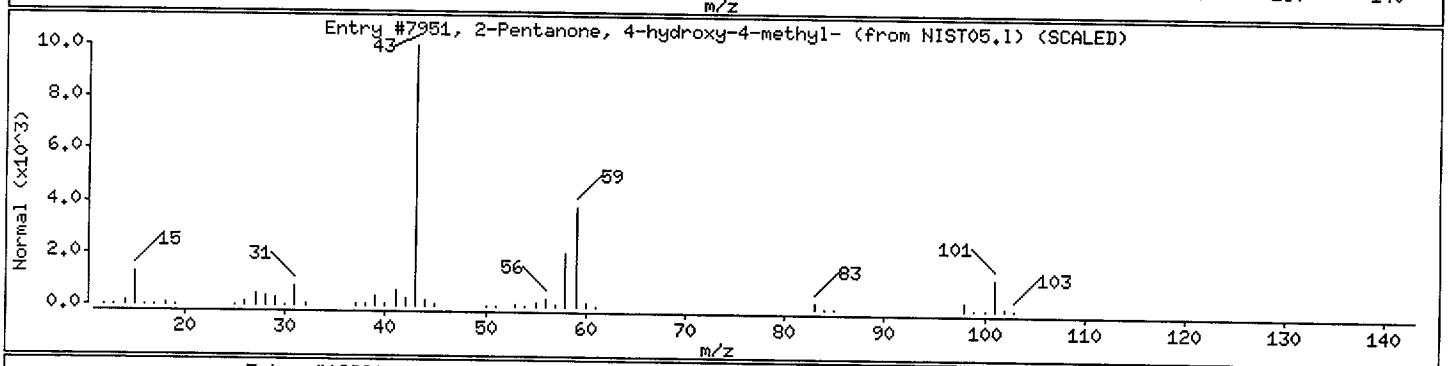
Operator: 60841

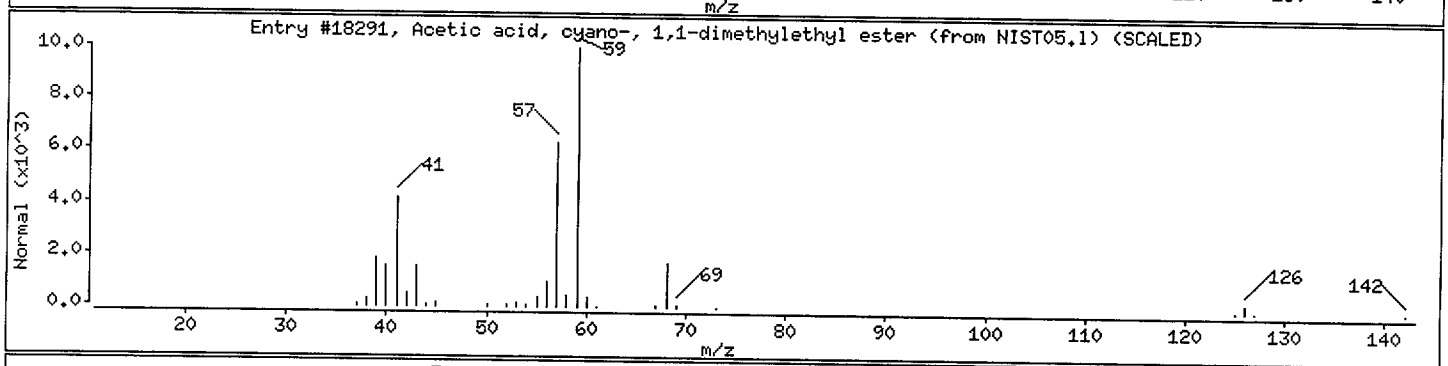
Column phase: ZB-5

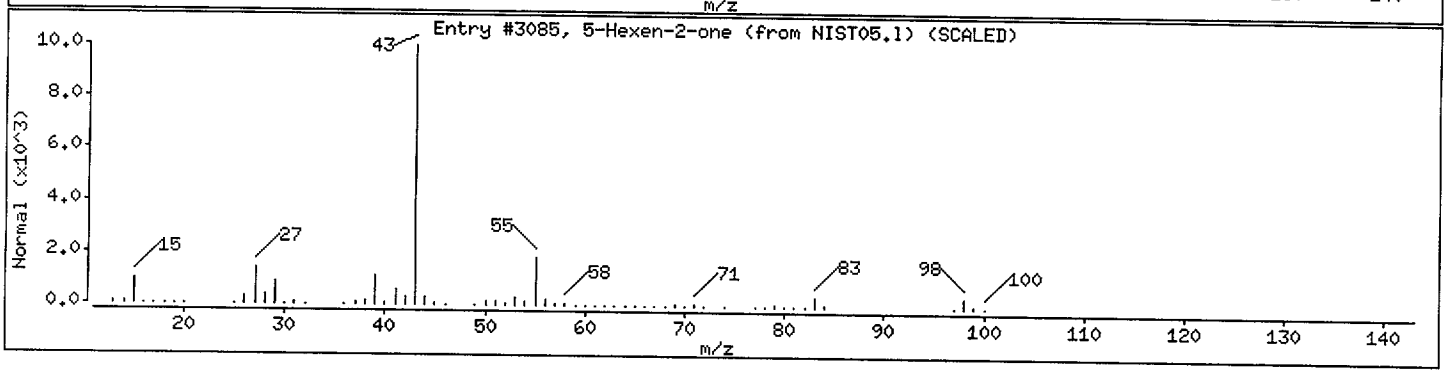
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7951	50	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.1	18291	17	C7H11NO2	141
5-Hexen-2-one	109-49-9	NIST05.1	3085	9	C6H10O	98









Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

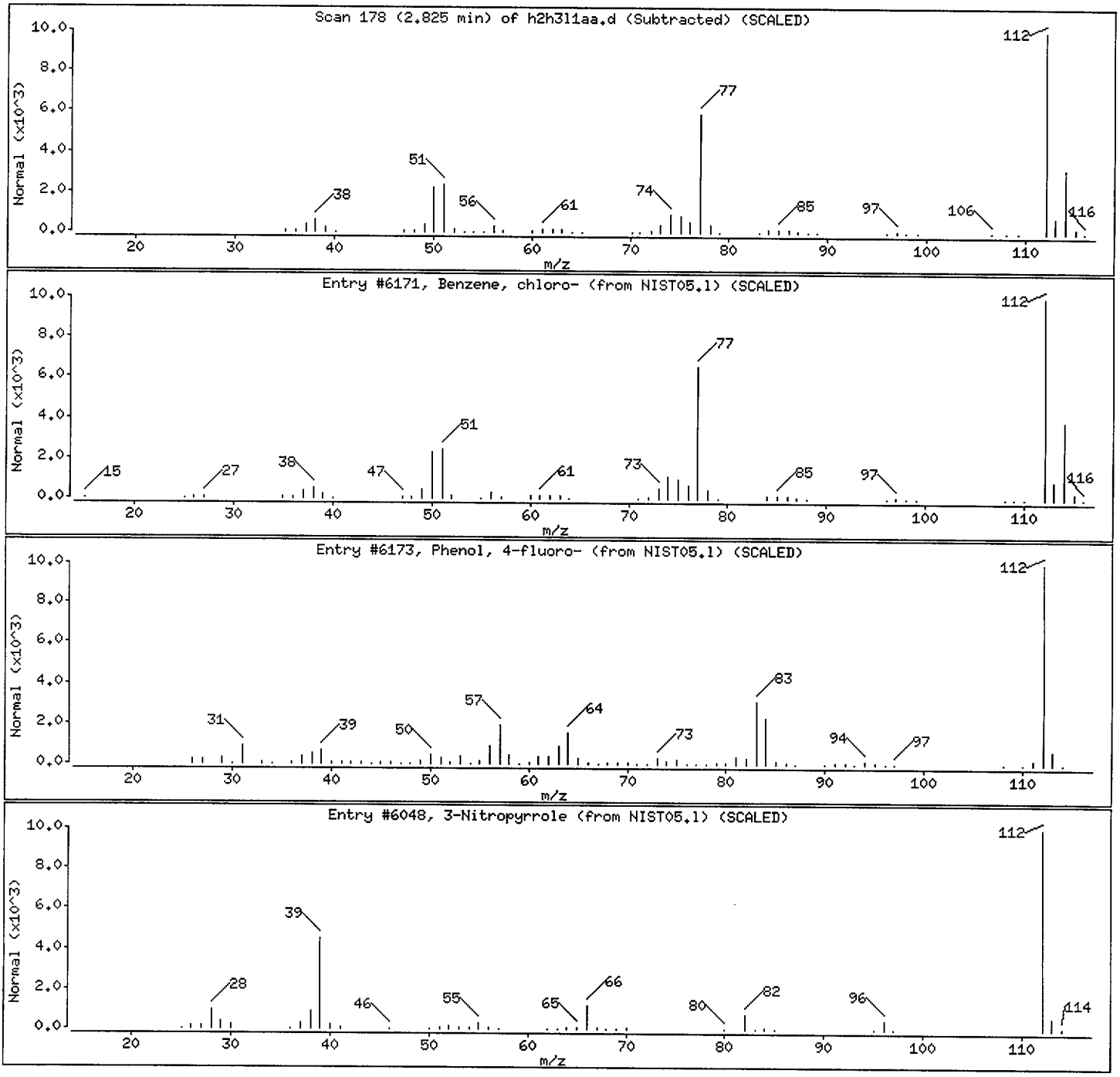
Client ID: G-2921/2922-R1-MM5 Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, chloro-	108-90-7	NIST05.1	6171	97	C6H5Cl	112
Phenol, 4-fluoro-	371-41-5	NIST05.1	6173	16	C6H5FO	112
3-Nitropyrrole	5930-94-9	NIST05.1	6048	16	C4H4N2O2	112



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

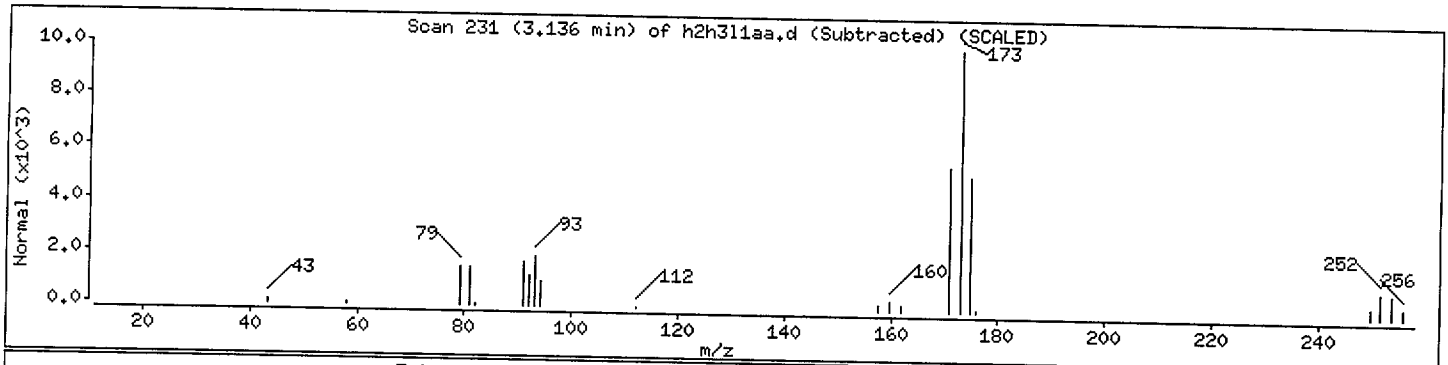
Volume Injected (uL): 1.0

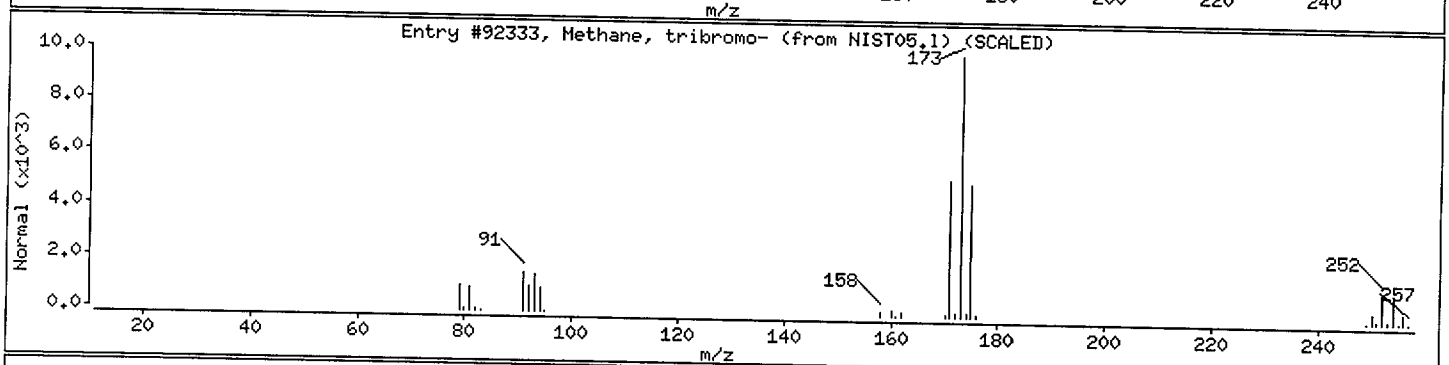
Operator: 60841

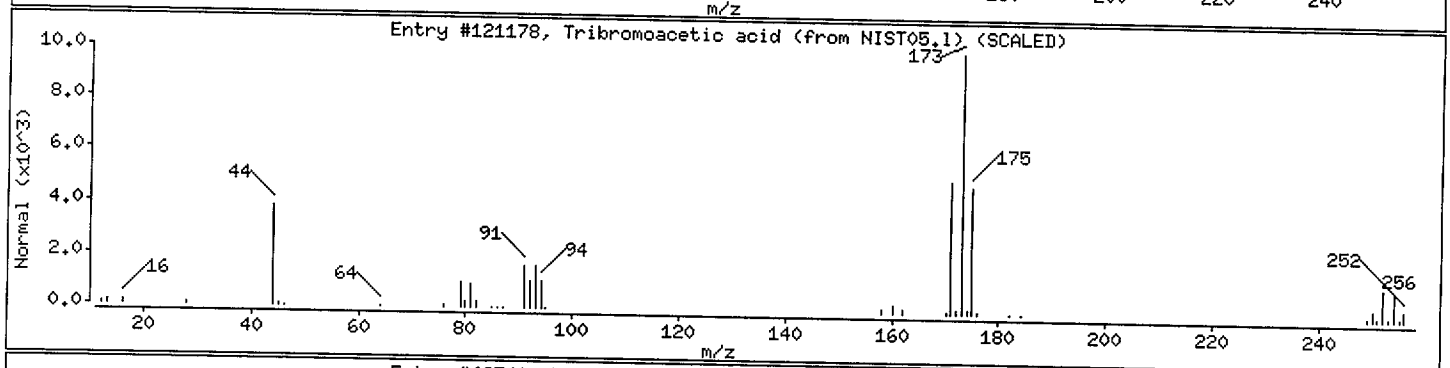
Column phase: ZB-5

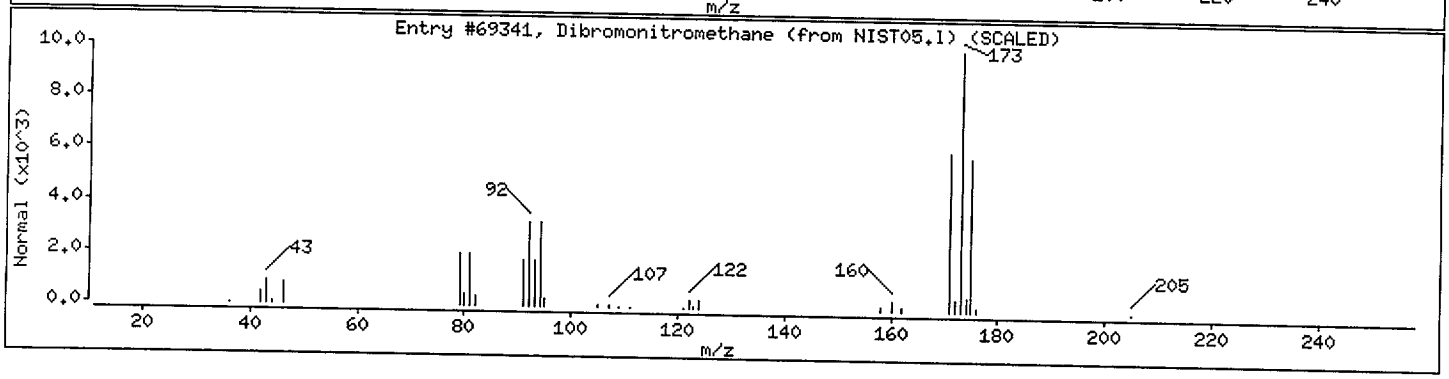
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, tribromo-	75-25-2	NIST05.1	92333	97	CHBr3	250
Tribromoacetic acid	75-96-7	NIST05.1	121178	91	C2HBr3O2	294
Dibromonitromethane	598-91-4	NIST05.1	69341	59	CHBr2NO2	217









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Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

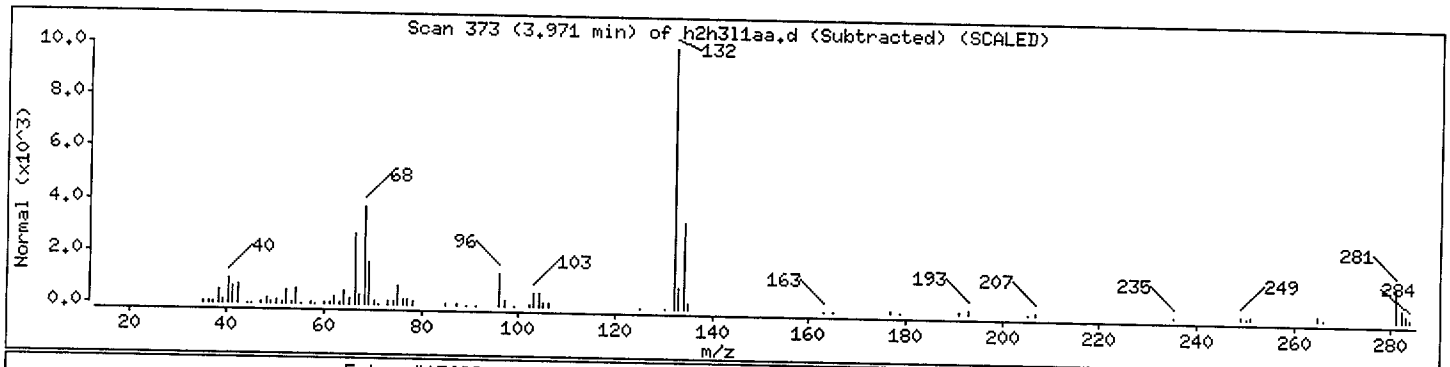
Volume Injected (uL): 1.0

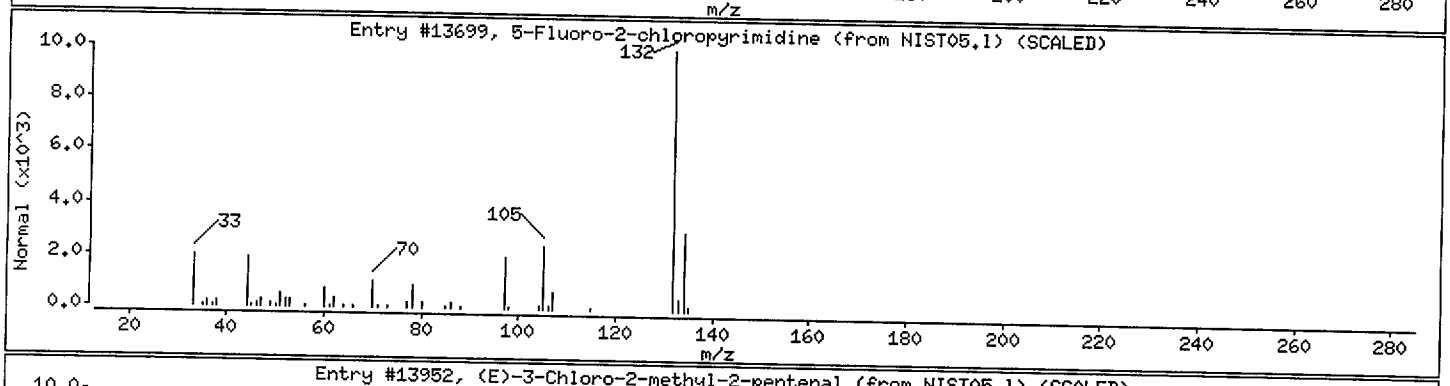
Operator: 60841

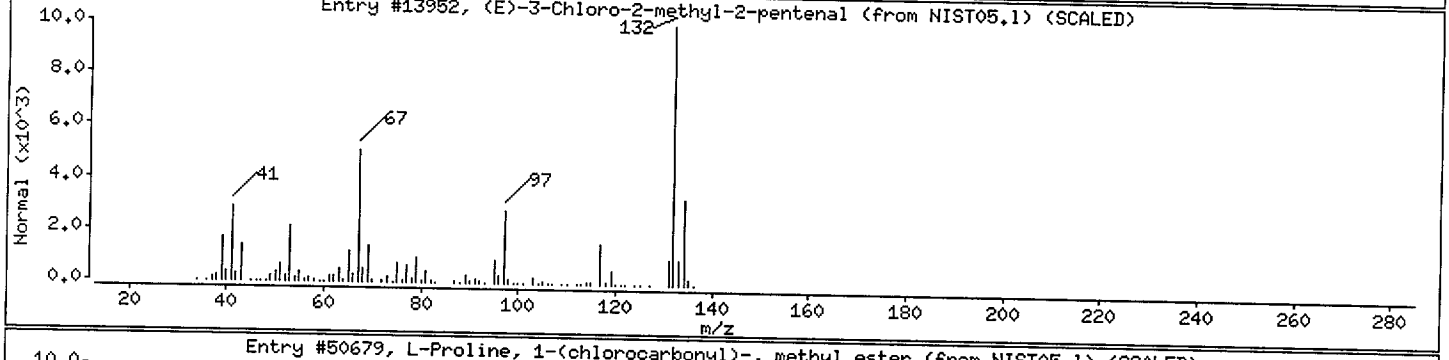
Column phase: ZB-5

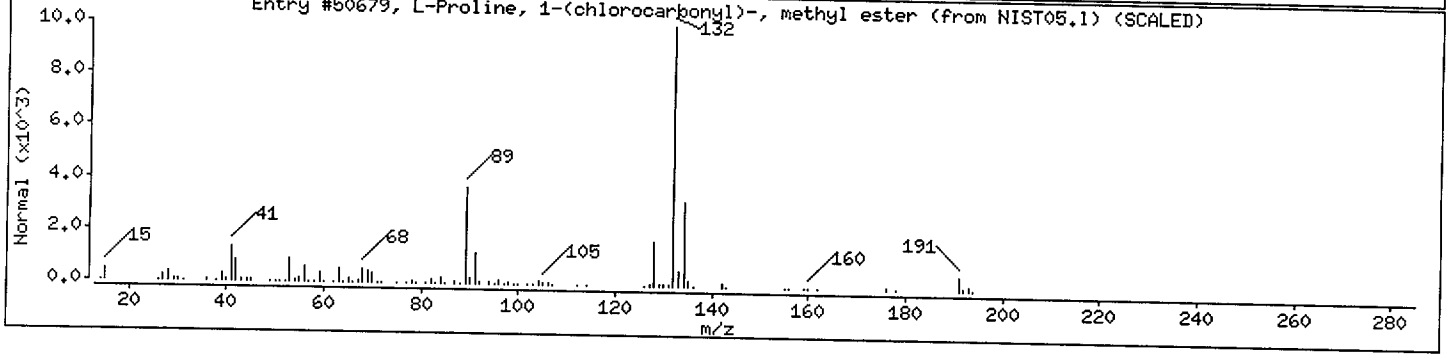
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.l	13699	25	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.l	13952	17	C6H9ClO	132
L-Proline, 1-(chlorocarbonyl)-, methyl e	85665-59-4	NIST05.l	50679	17	C7H10ClNO3	191









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Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

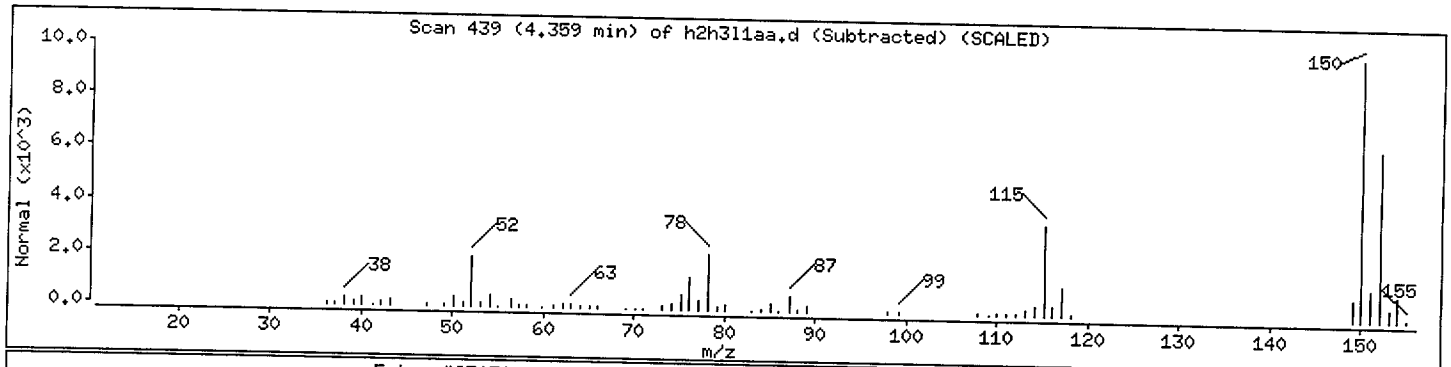
Volume Injected (uL): 1.0

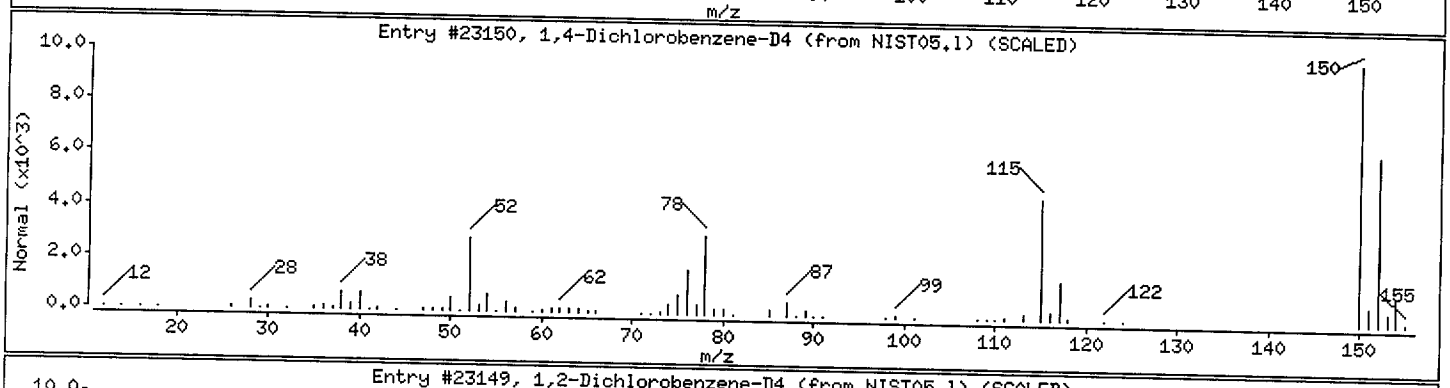
Operator: 60841

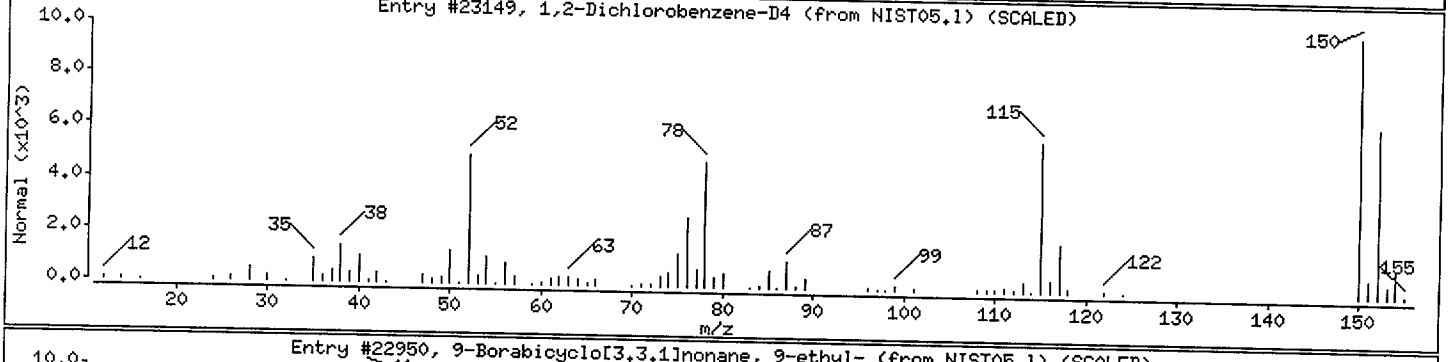
Column phase: ZB-5

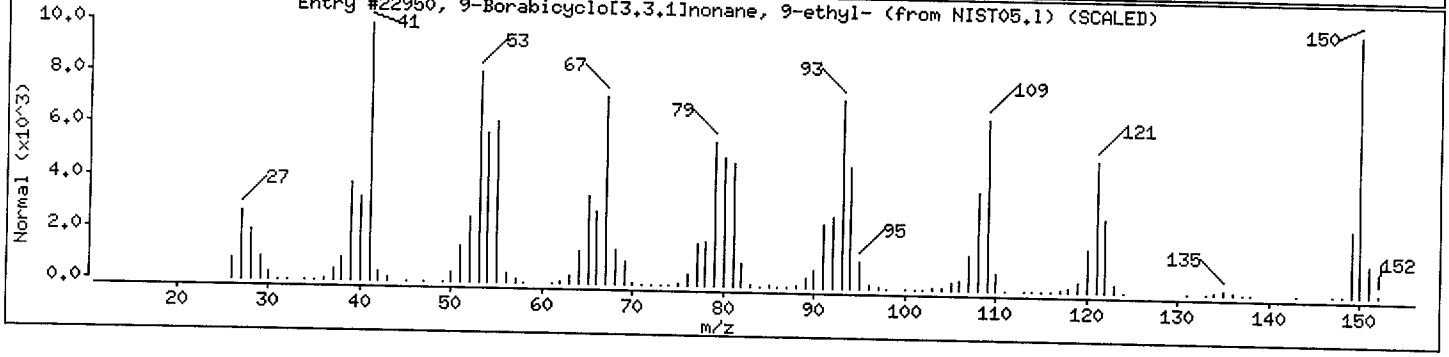
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	97	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	95	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	43	C10H19B	150









Data File: /var/chem/gcms/md.i/D042806.b/h2h3l1aa.d

Date : 28-APR-2006 11:50

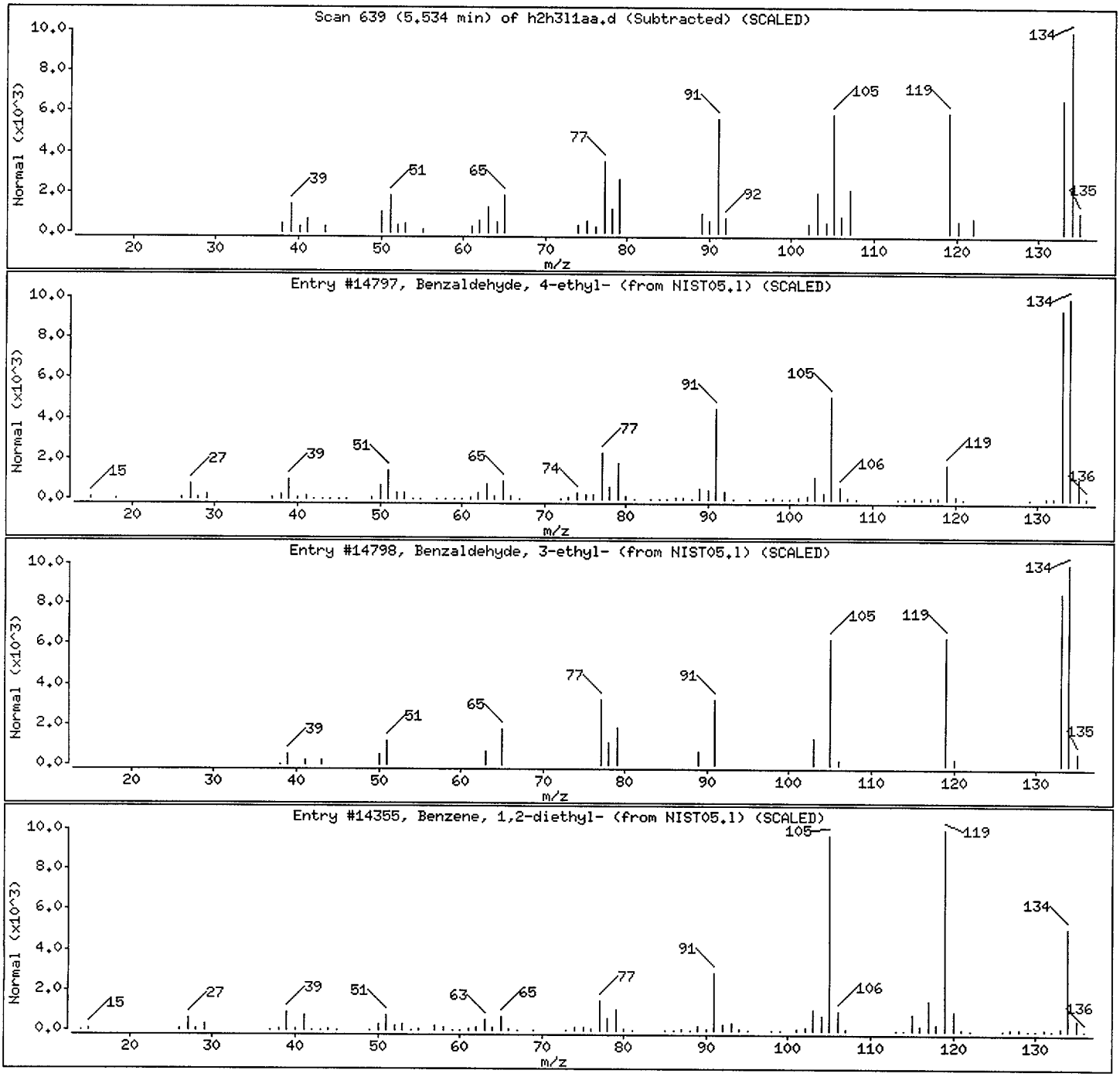
Client ID: G-2921/2922-R1-MM5 Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzaldehyde, 4-ethyl-	4748-78-1	NIST05.1	14797	89	C9H10O	134
Benzaldehyde, 3-ethyl-	34246-54-3	NIST05.1	14798	81	C9H10O	134
Benzene, 1,2-diethyl-	135-01-3	NIST05.1	14355	64	C10H14	134



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Date : 28-APR-2006 11:50

Client ID: G-2921/2922-R1-MM5

Instrument: md.i

Sample Info: H2H3L1AA,,0,,,,

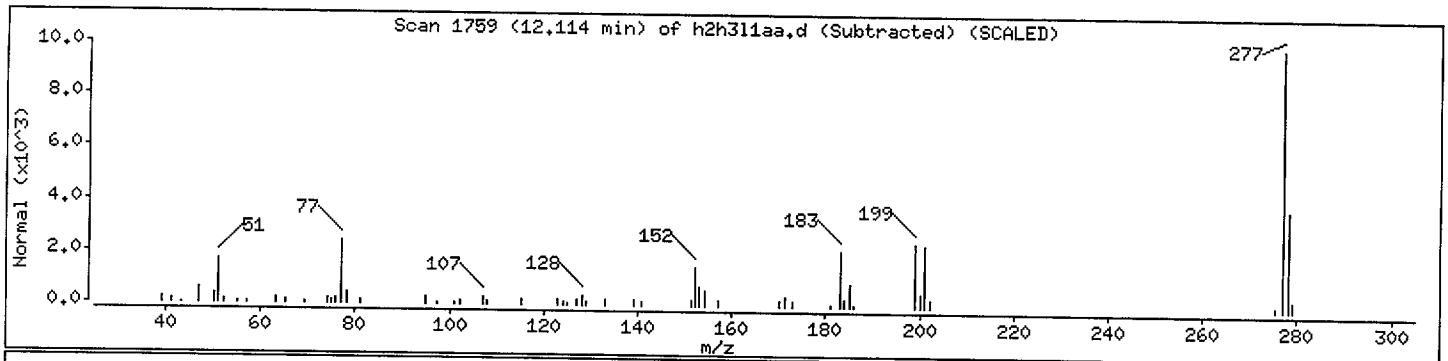
Volume Injected (uL): 1.0

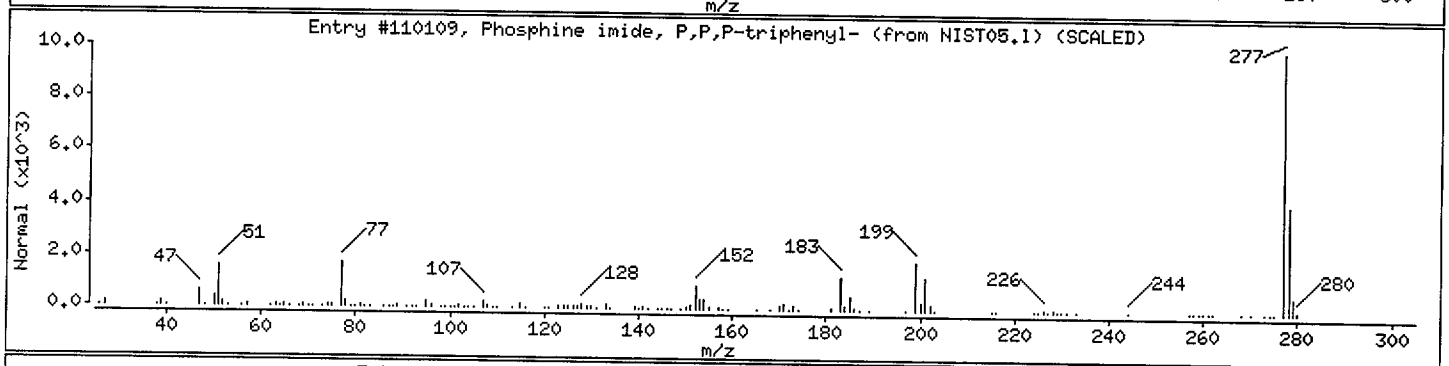
Operator: 60841

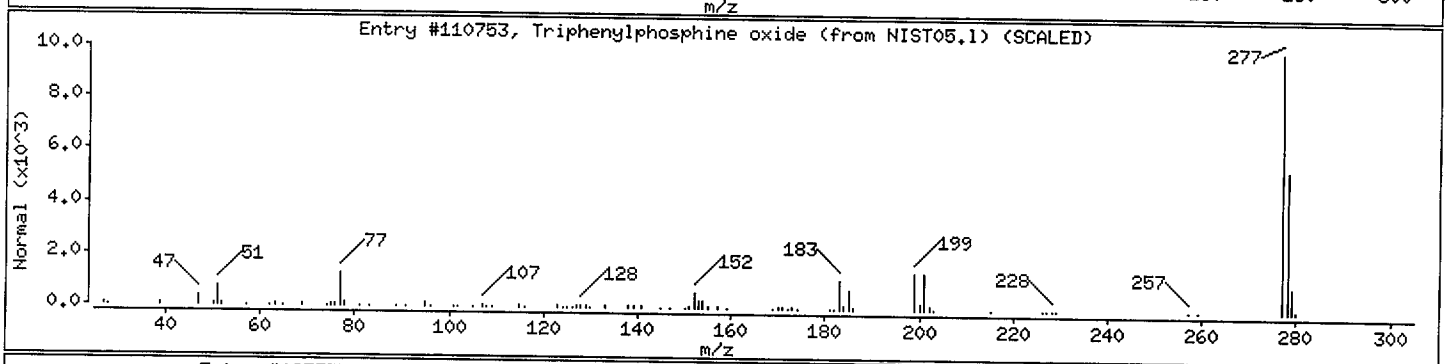
Column phase: ZB-5

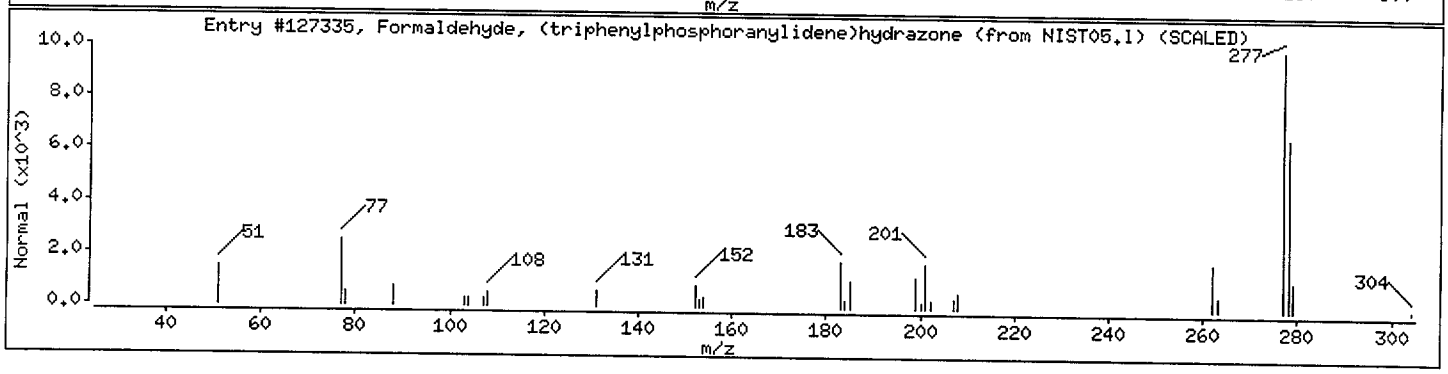
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Phosphine imide, P,P,P-triphenyl-	2240-47-3	NIST05.l	110109	93	C18H16NP	277
Triphenylphosphine oxide	791-28-6	NIST05.l	110753	91	C18H15OP	278
Formaldehyde, (triphenylphosphoranyliden	15990-54-2	NIST05.l	127335	40	C19H17N2P	304









STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	33	(19 - 100)
Phenol-d5	32	(15 - 124)
Nitrobenzene-d5	41	(35 - 122)
2-Fluorobiphenyl	49	(34 - 115)
2,4,6-Tribromophenol	51	(33 - 130)
Terphenyl-d14	64	(28 - 132)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Report Date: 03-May-2006 10:11

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Lab Smp Id: H2H3M1AA Client Smp ID: G-2923/2924-R1-MM5
Inj Date : 28-APR-2006 18:28
Operator : 60841 Inst ID: md.i
Smp Info : H2H3M1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 09:58 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.41500	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	72262	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	253704	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	178951	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	315929	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	326747	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	299972	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	123968	24.5314	59.1
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	147828	24.2512	58.4
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	116486	20.3687	49.1
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	289915	24.5746	59.2(R)
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	76716	38.2951	92.3
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	504971	31.7740	76.6(R)
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	4160	1.18344	~~2.85~~

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Report Date: 03-May-2006 10:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	90656	7.61693	18.4
184 Benzaldehyde	105	3.748	3.742	(0.901)	465	0.14105	~~0.340~~
185 Benzonitrile	103	3.971	3.935	(0.955)	7025	0.95063	~~2.29~~

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Report Date: 03-May-2006 10:11

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3m1aa.d
Lab Smp Id: H2H3M1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-2923/2924-R1-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	72262	17.47
2 Naphthalene-d8	201763	100882	403526	253704	25.74
3 Acenaphthene-d10	143273	71636	286546	178951	24.90
4 Phenanthrene-d10	247023	123512	494046	315929	27.89
5 Chrysene-d12	265356	132678	530712	326747	23.14
6 Perylene-d12	233795	116898	467590	299972	28.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Report Date: 03-May-2006 16:24

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H3M1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

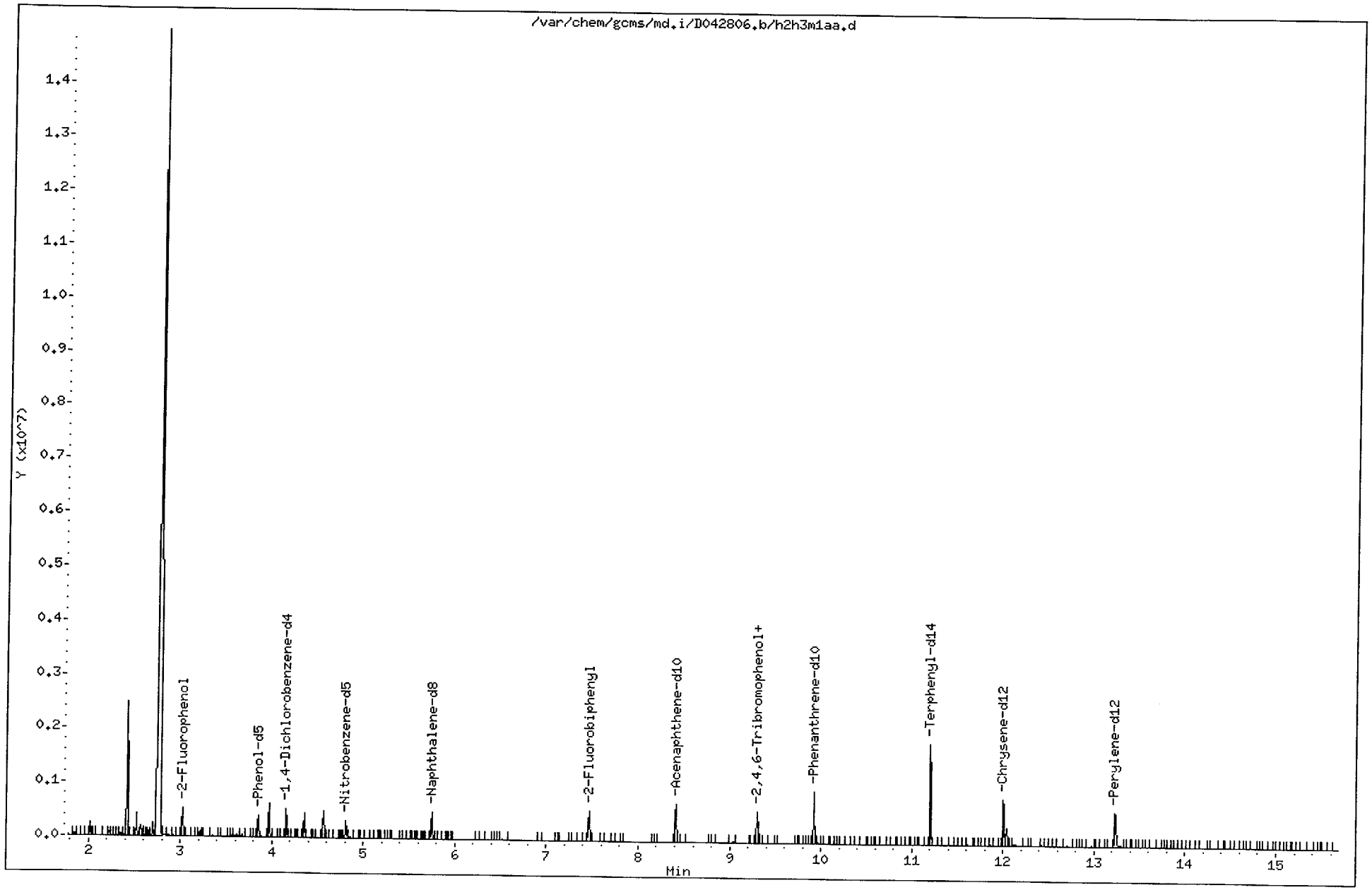
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-2923/2924-R1-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ng/uL	AMOUNT RECOVERED ng/uL	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	24.5	32.71	19-100
$ 8 Phenol-d5	75.0	24.2	32.33	15-124
$ 9 Nitrobenzene-d5	50.0	20.4	40.74*	42-104
$ 10 2-Fluorobiphenyl	50.0	24.6	49.15*	51-103
$ 11 2,4,6-Tribromophen	75.0	38.3	51.06	33-130
$ 12 Terphenyl-d14	50.0	31.8	63.55	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Date : 28-APR-2006 18:28
Client ID: G-2923/2924-R1-MM5
Sample Info: H2H3M1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



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Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

Volume Injected (uL): 1.0

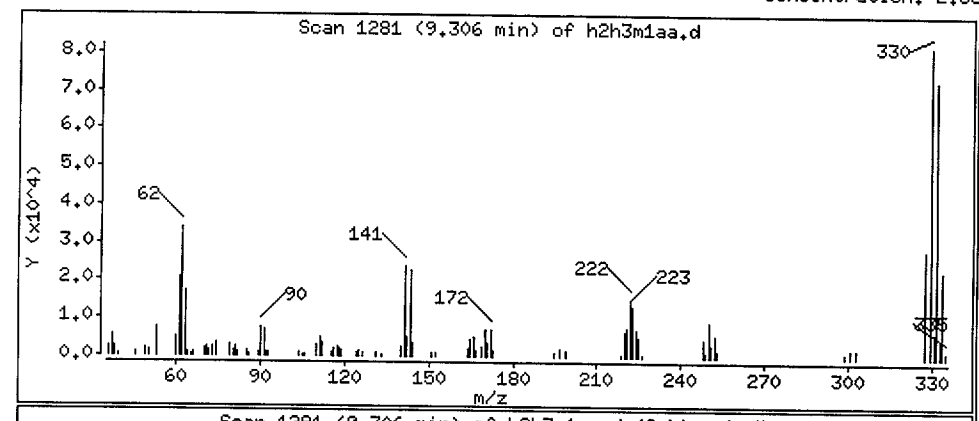
Operator: 60841

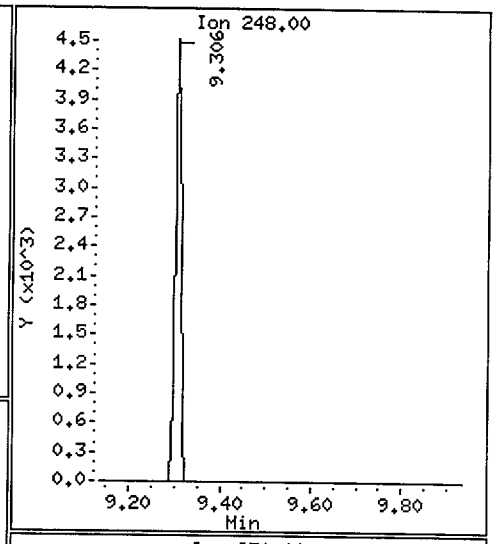
Column phase: ZB-5

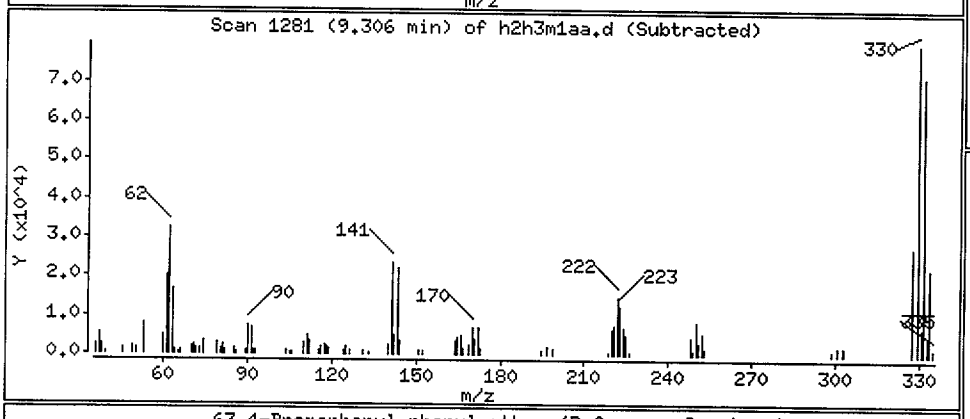
Column diameter: 0.25

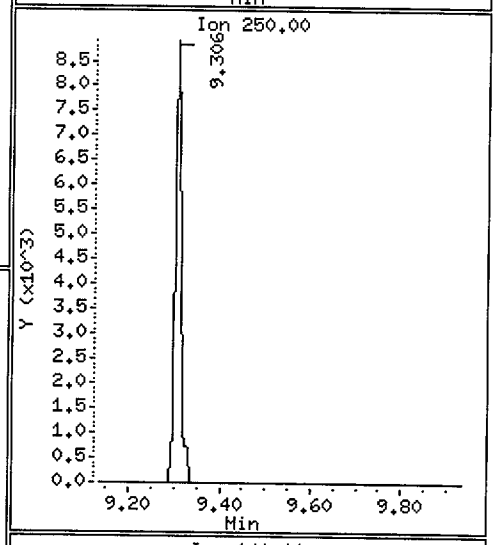
63 4-Bromophenyl phenyl ether

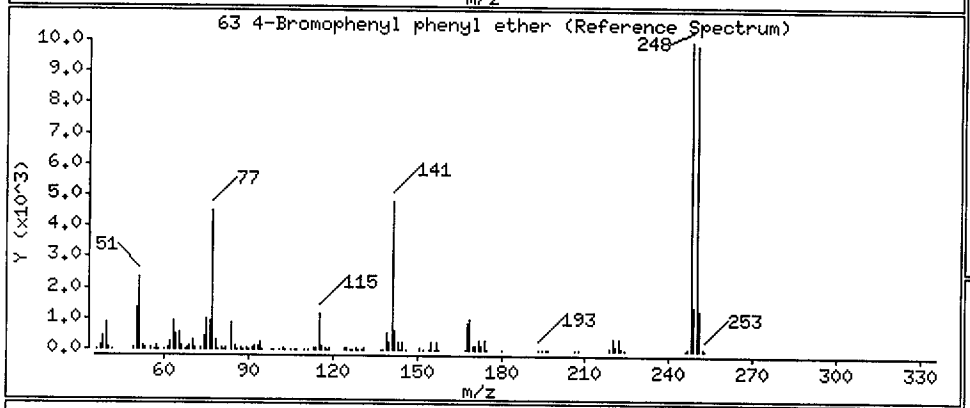
Concentration: 2.85 ug

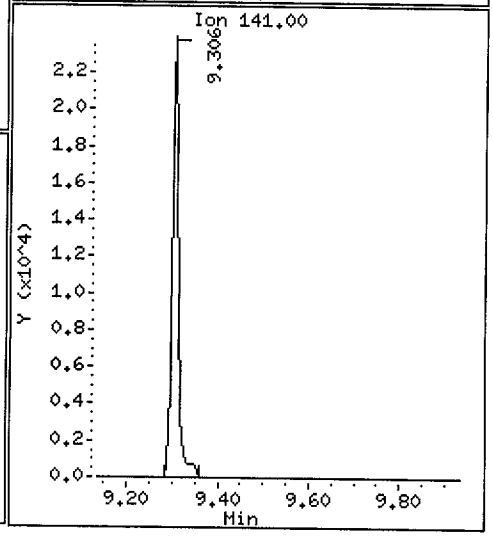


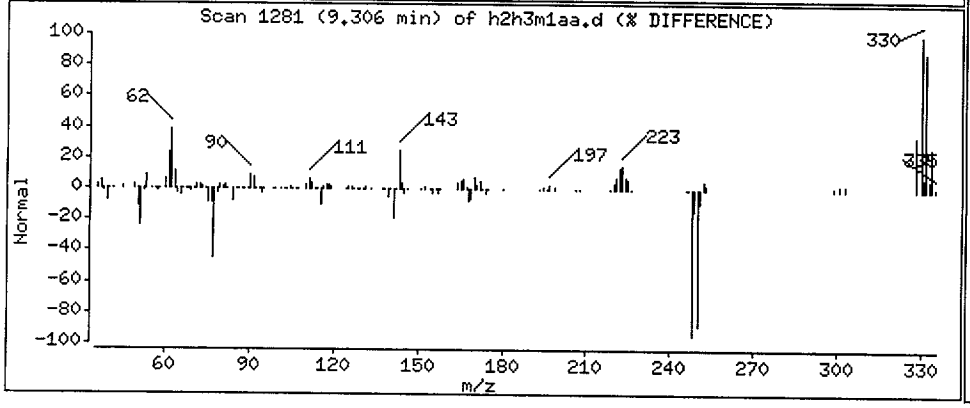












Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

Volume Injected (uL): 1.0

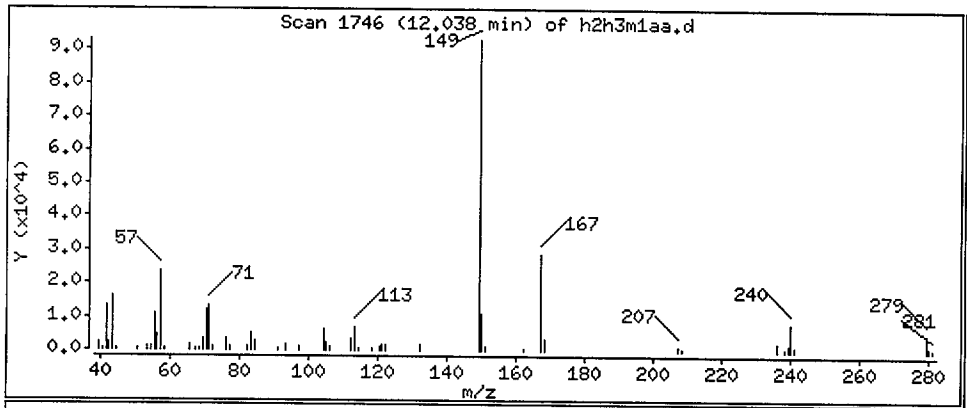
Operator: 60841

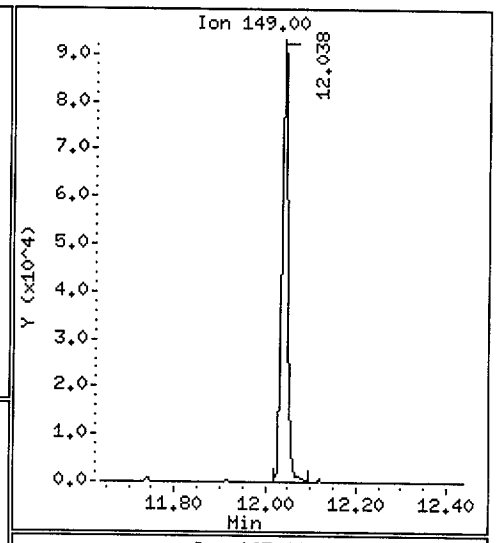
Column phase: ZB-5

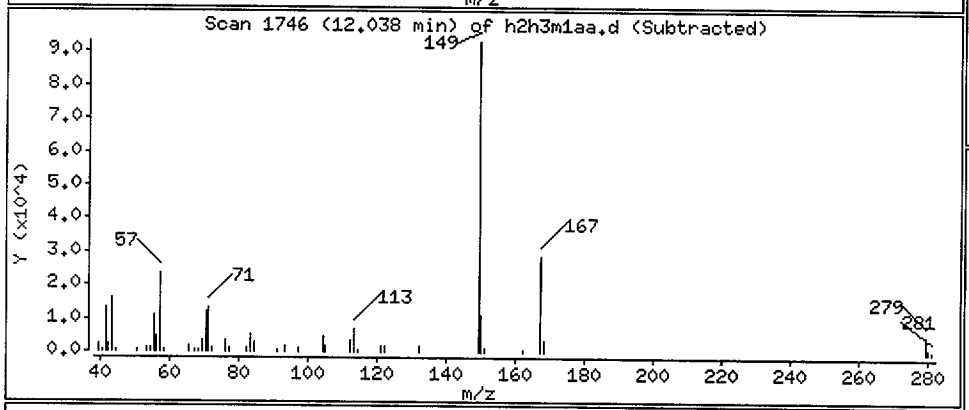
Column diameter: 0.25

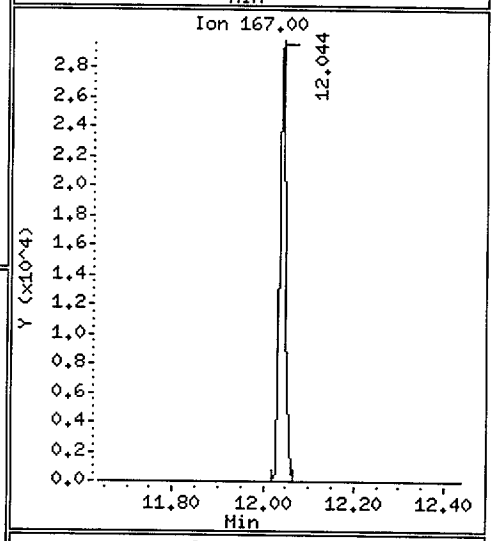
76 Bis(2-ethylhexyl) phthalate

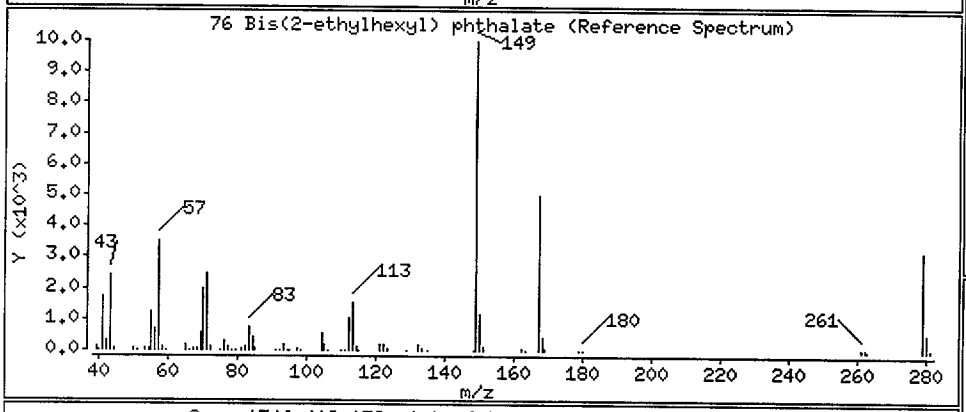
Concentration: 18.4 ug

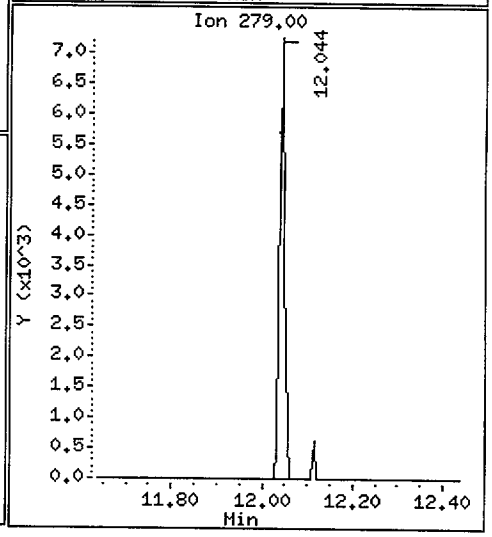


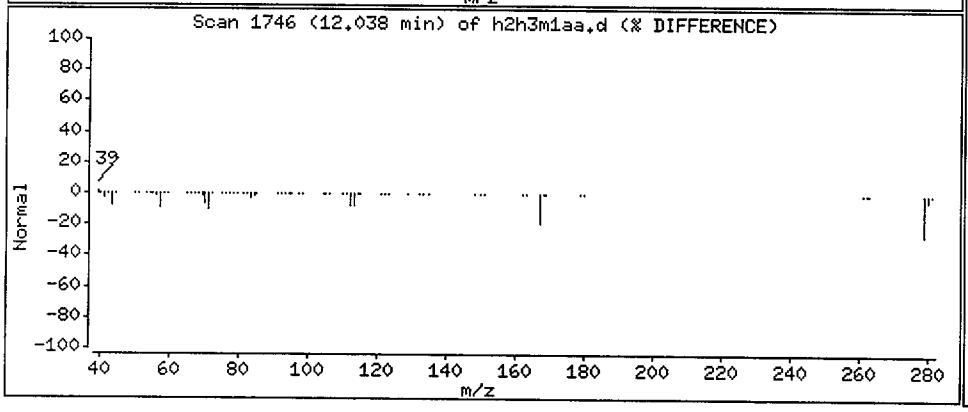












Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

Volume Injected (uL): 1.0

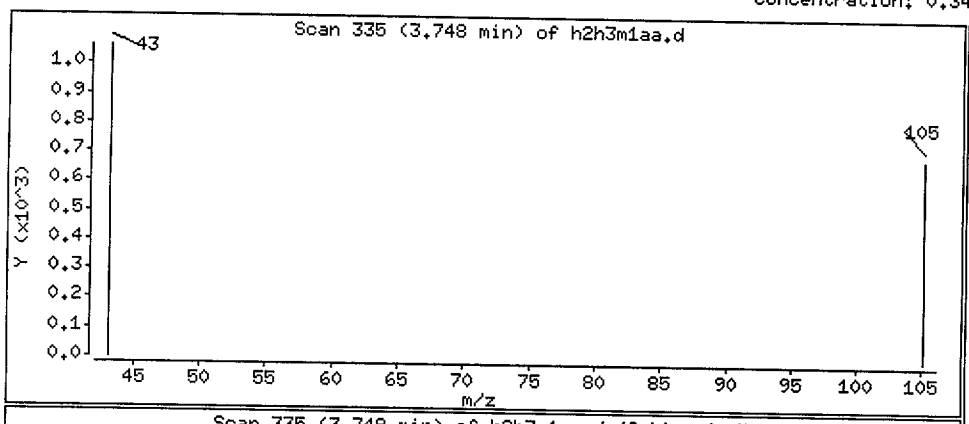
Operator: 60841

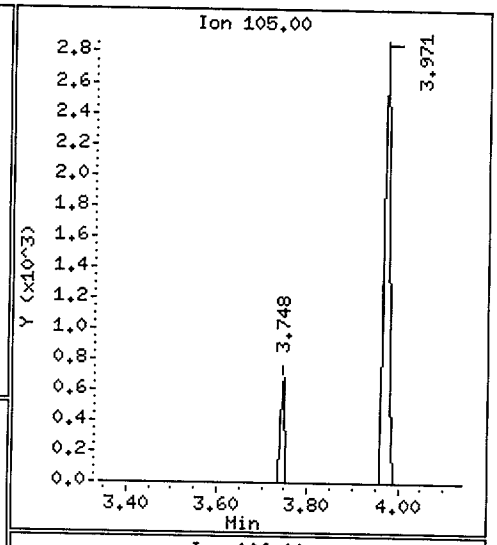
Column phase: ZB-5

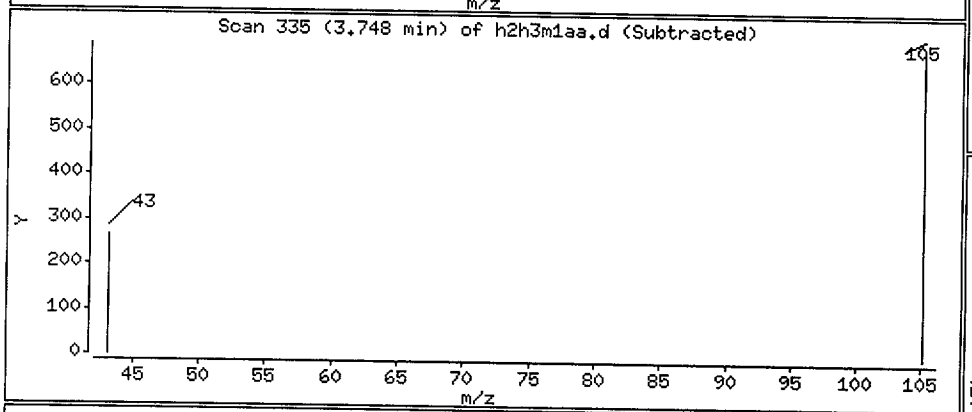
Column diameter: 0.25

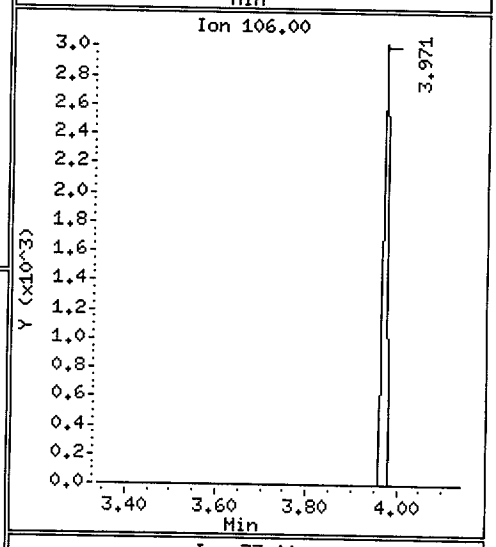
184 Benzaldehyde

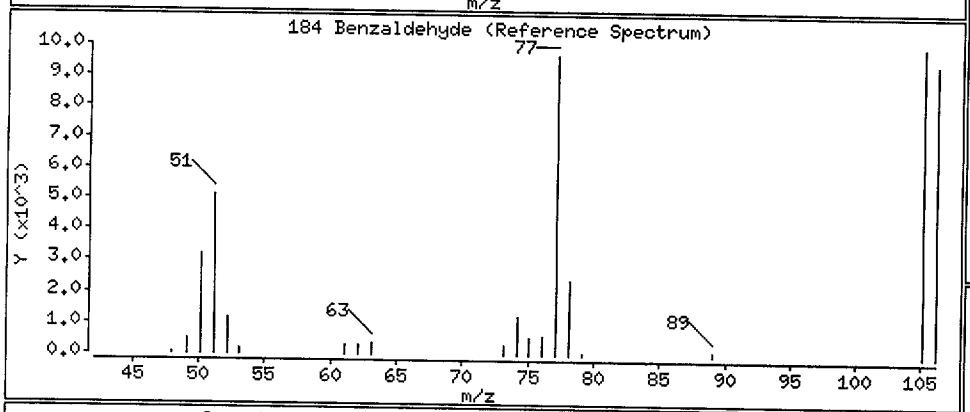
Concentration: 0.340 ug

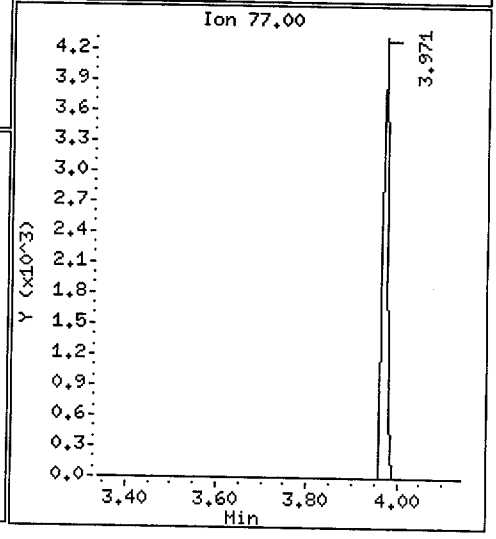


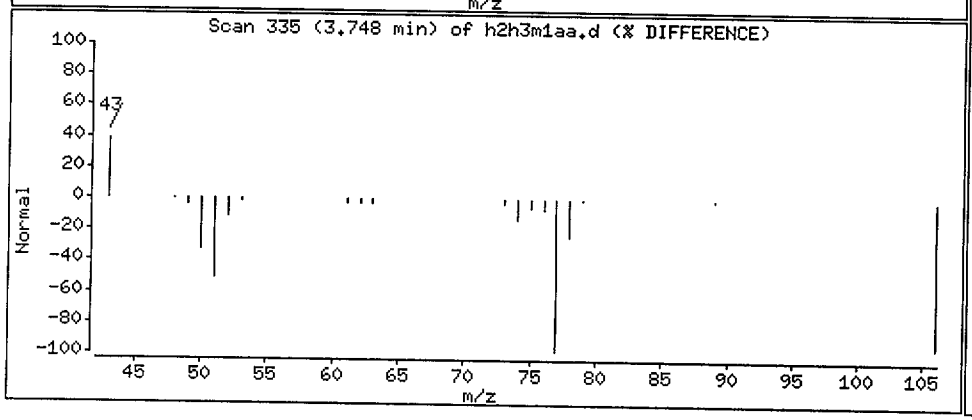












Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

Volume Injected (uL): 1.0

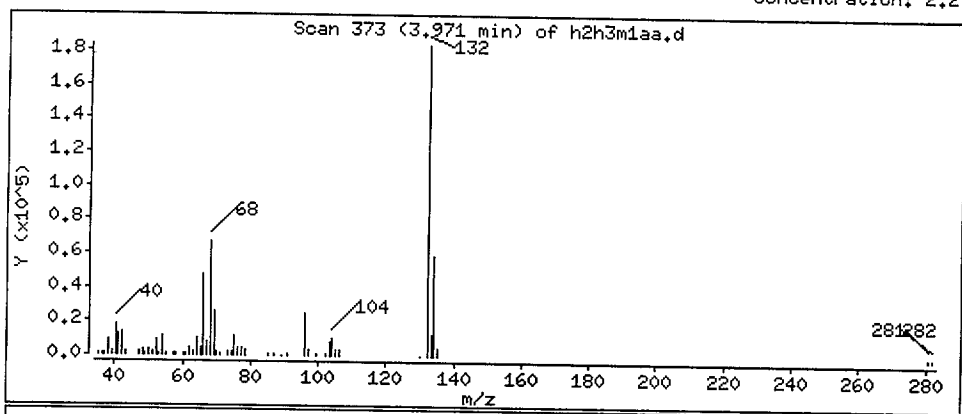
Operator: 60841

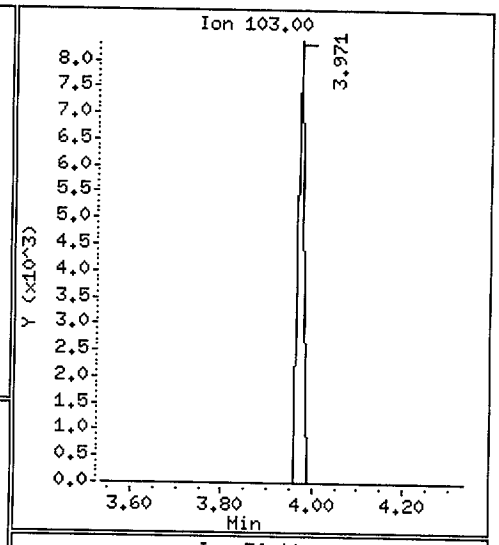
Column phase: ZB-5

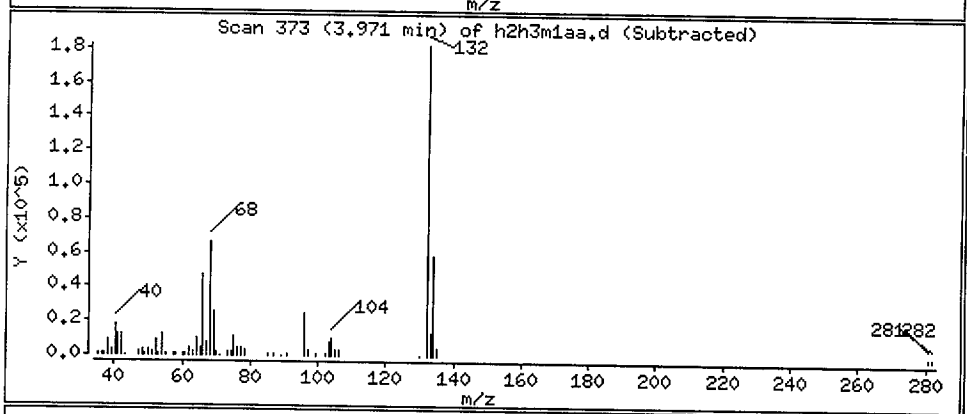
Column diameter: 0.25

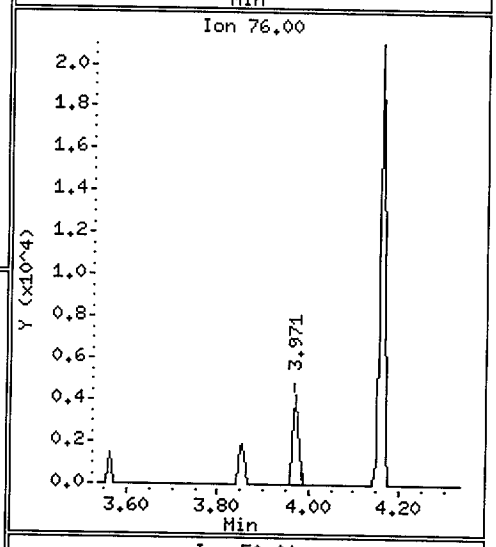
185 Benzonitrile

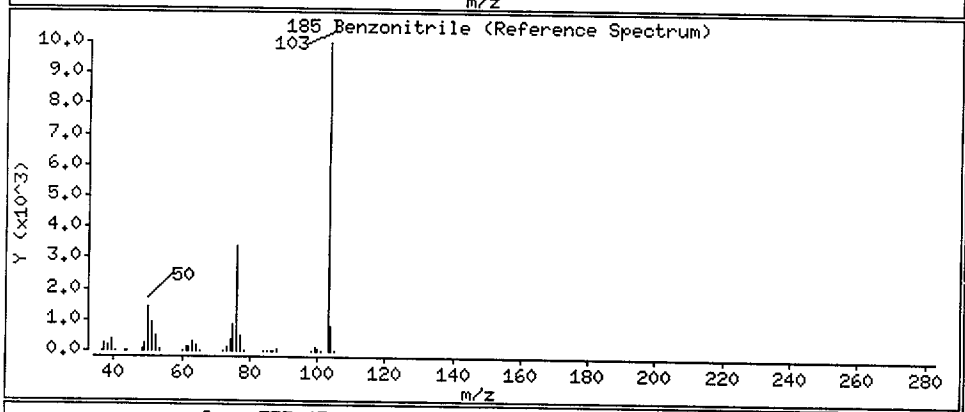
Concentration: 2.29 ug

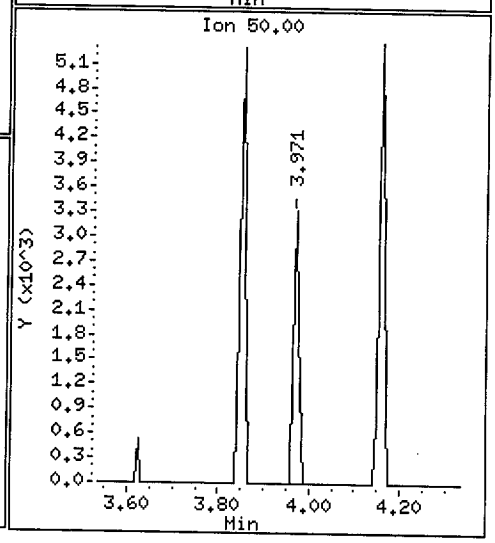


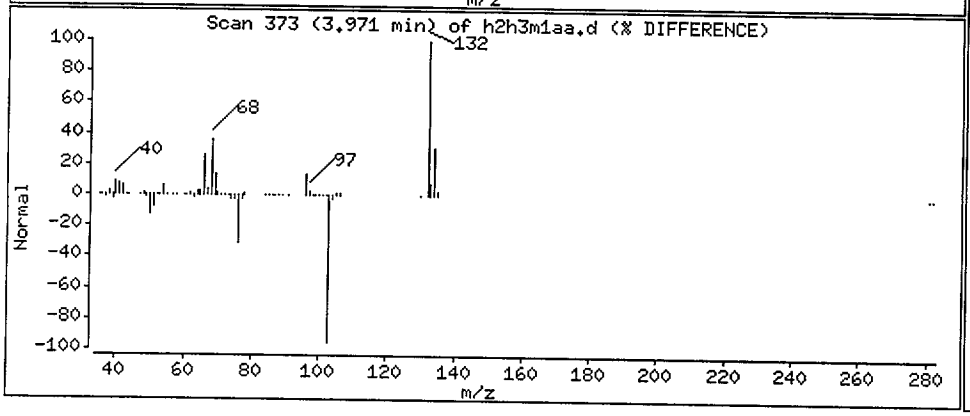












Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Report Date: 03-May-2006 10:23

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Lab Smp Id: H2H3M1AA Client Smp ID: G-2923/2924-R1-MM5
Inj Date : 28-APR-2006 18:28
Operator : 60841 Inst ID: md.i
Smp Info : H2H3M1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 10:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.41500	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	523824	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Penten-2-one, (E)-				CAS #: 3102-33-8			
2.026	236882	9.04433550	21.8	91	NIST05.1	1391	1
3-Penten-2-one, 4-methyl-				CAS #: 141-79-7			
2.426	2478494	94.6307920	228	95	NIST05.1	3178	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d
Report Date: 03-May-2006 10:23

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Malonic acid diisopropyl ester				CAS #: 13195-64-7			
2.525	431601	16.4788555	39.7	38	NIST05.1	49041	1
2-Pentanone, 4-hydroxy-				CAS #: 4161-60-8			
2.572	197038	7.52306118	18.1	64	NIST05.1	4168	1
Octane, 2-methyl-				CAS #: 3221-61-2			
2.649	140175	5.35198845	12.9	87	NIST05.1	12276	1
Heptane, 2,5-dimethyl-				CAS #: 2216-30-0			
2.702	256695	9.80081096	23.6	91	NIST05.1	12291	1
2-Pentanone, 4-hydroxy-4-methyl-				CAS #: 123-42-2			
2.778	14960829	571.215866	1380	56	NIST05.1	7952	1
5-Fluoro-2-chloropyrimidine				CAS #: 62802-42-0			
3.971	615811	23.5121338	56.6	25	NIST05.1	13699	1
1,4-Dichlorobenzene-D4				CAS #: 3855-82-1			
4.353	450101	17.1851996	41.4	96	NIST05.1	23150	1
1-Piperazinecarboxaldehyde				CAS #: 7755-92-2			
4.564	506990	19.3572650	46.6	5	NIST05.1	6923	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

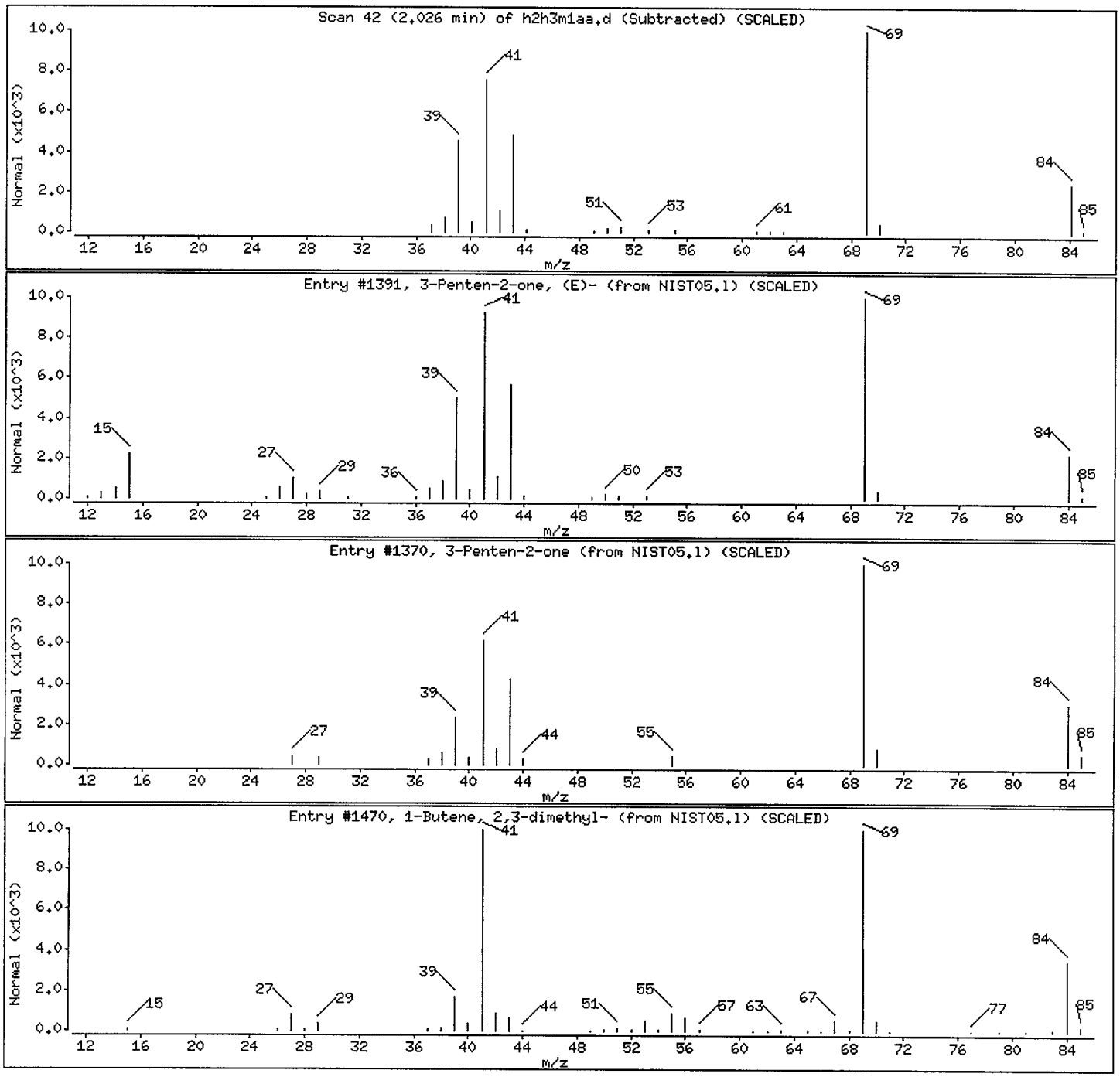
Client ID: G-2923/2924-R1-MM5 Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, (E)-	3102-33-8	NIST05.1	1391	91	C5H8O	84
3-Penten-2-one	625-33-2	NIST05.1	1370	59	C5H8O	84
1-Butene, 2,3-dimethyl-	563-78-0	NIST05.1	1470	53	C6H12	84



Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

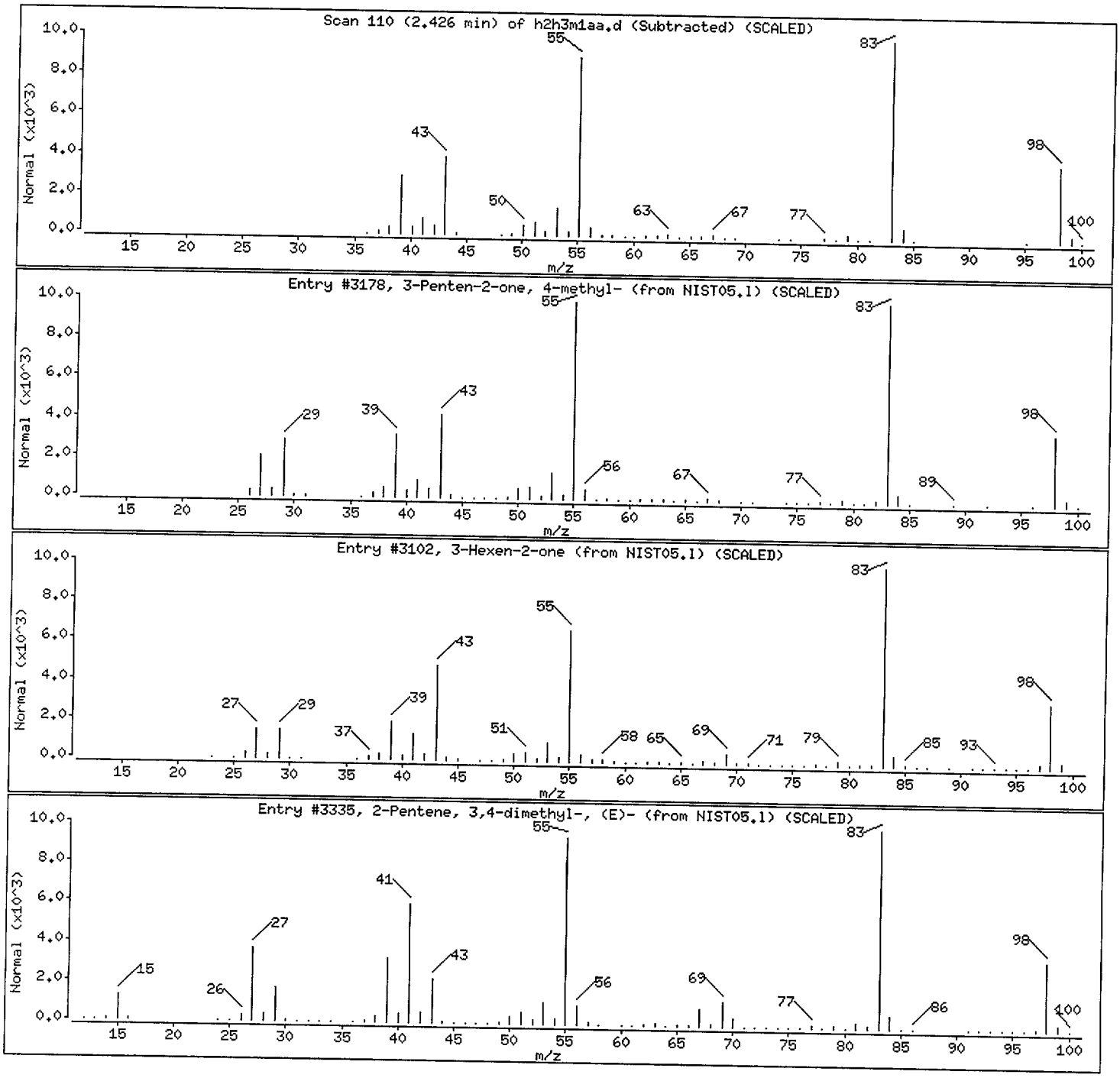
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3178	95	C6H10O	98
3-Hexen-2-one	763-93-9	NIST05.1	3102	91	C6H10O	98
2-Pentene, 3,4-dimethyl-, (E)-	4914-92-5	NIST05.1	3335	91	C7H14	98



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Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

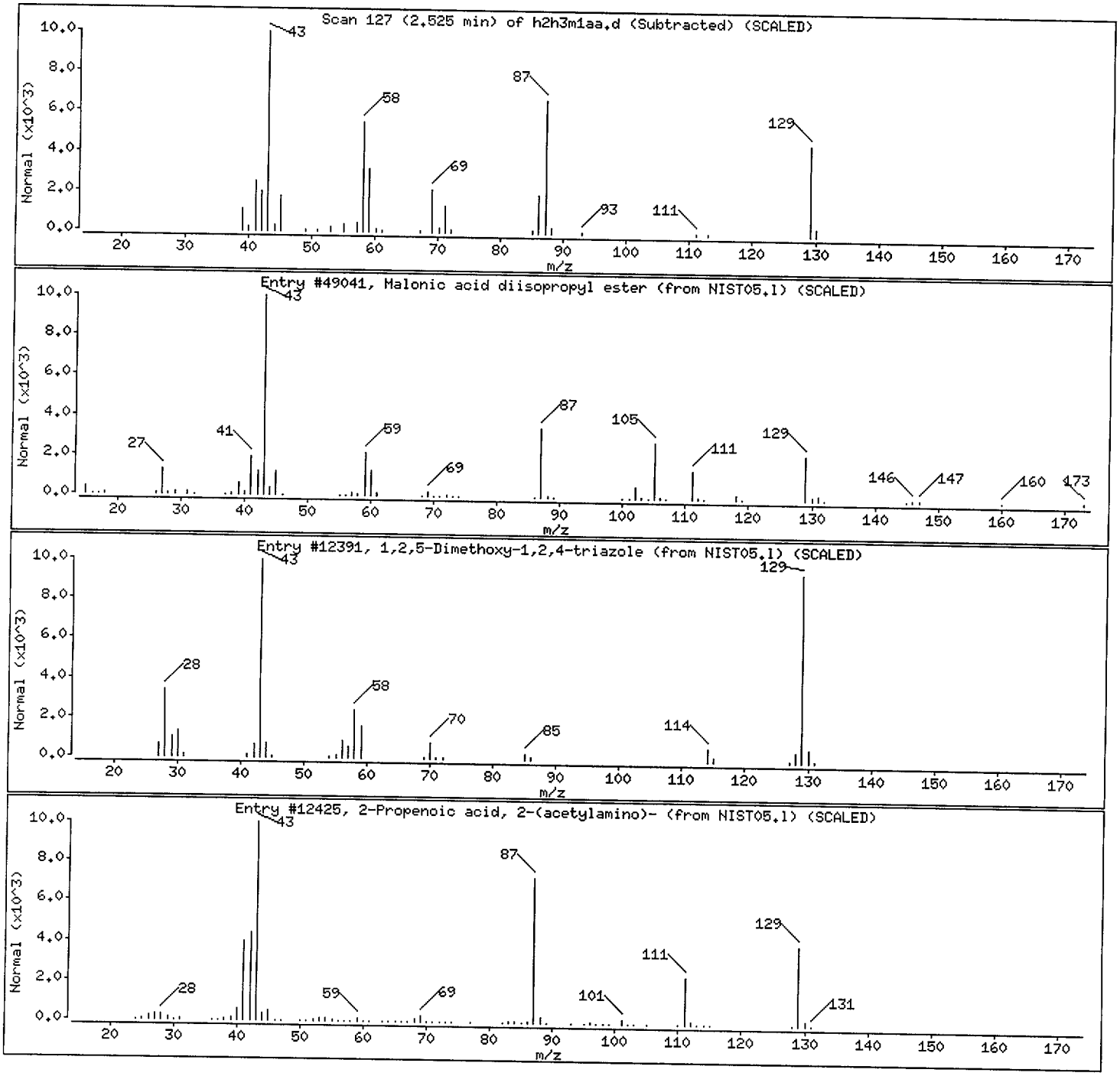
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Malonic acid diisopropyl ester	13195-64-7	NIST05.1	49041	38	C9H16O4	188
1,2,5-Dimethoxy-1,2,4-triazole	1000288-71-4	NIST05.1	12391	37	C4H7N3O2	129
2-Propenoic acid, 2-(acetylamino)-	5429-56-1	NIST05.1	12425	32	C5H7NO3	129



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Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

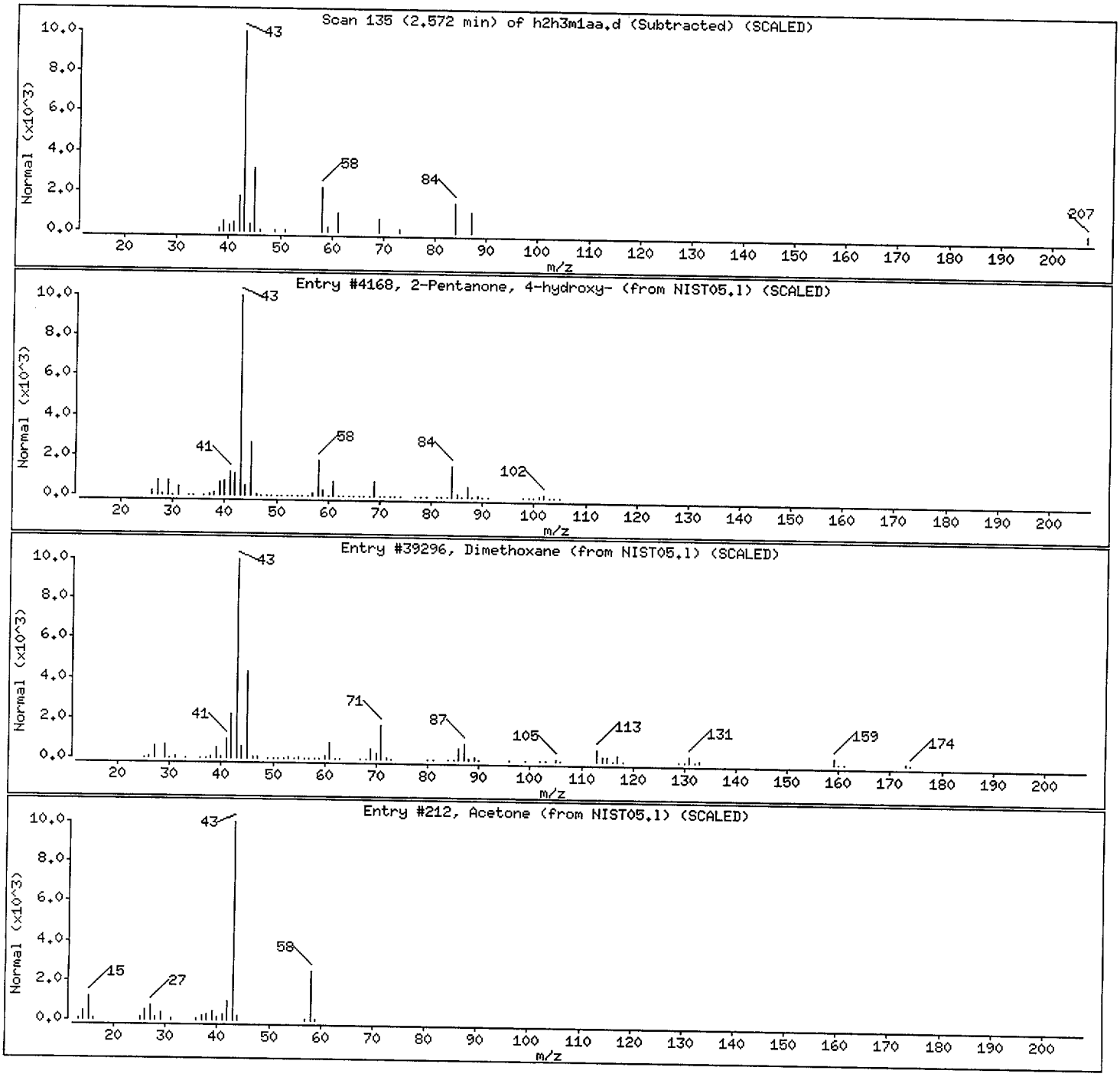
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-	4161-60-8	NIST05.1	4168	64	C5H1002	102
Dimethoxane	828-00-2	NIST05.1	39296	28	C8H1404	174
Acetone	67-64-1	NIST05.1	212	25	C3H60	58



Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

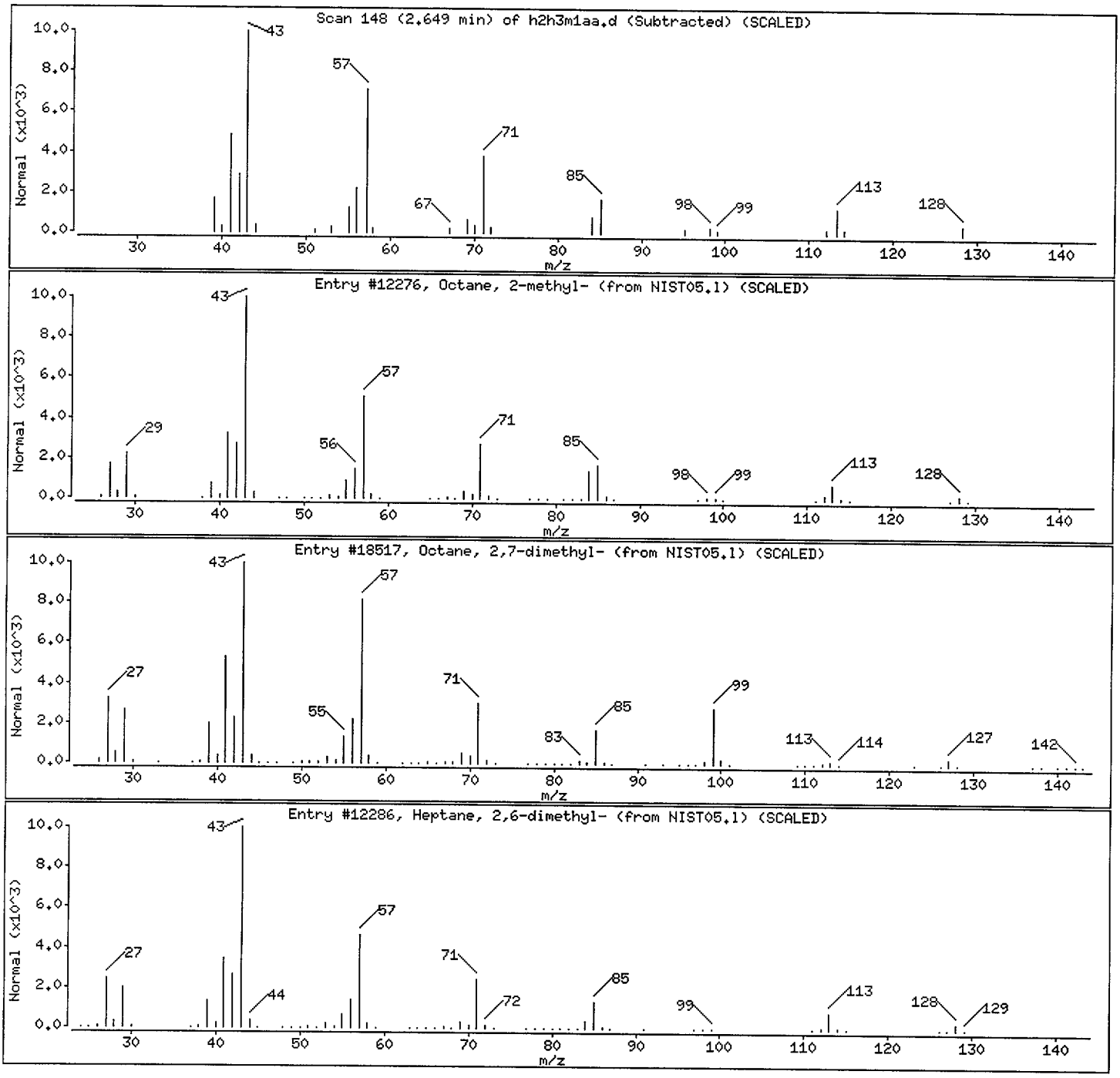
Client ID: G-2923/2924-R1-MM5 Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Octane, 2-methyl-	3221-61-2	NIST05.1	12276	87	C9H20	128
Octane, 2,7-dimethyl-	1072-16-8	NIST05.1	18517	72	C10H22	142
Heptane, 2,6-dimethyl-	1072-05-5	NIST05.1	12286	62	C9H20	128



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Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

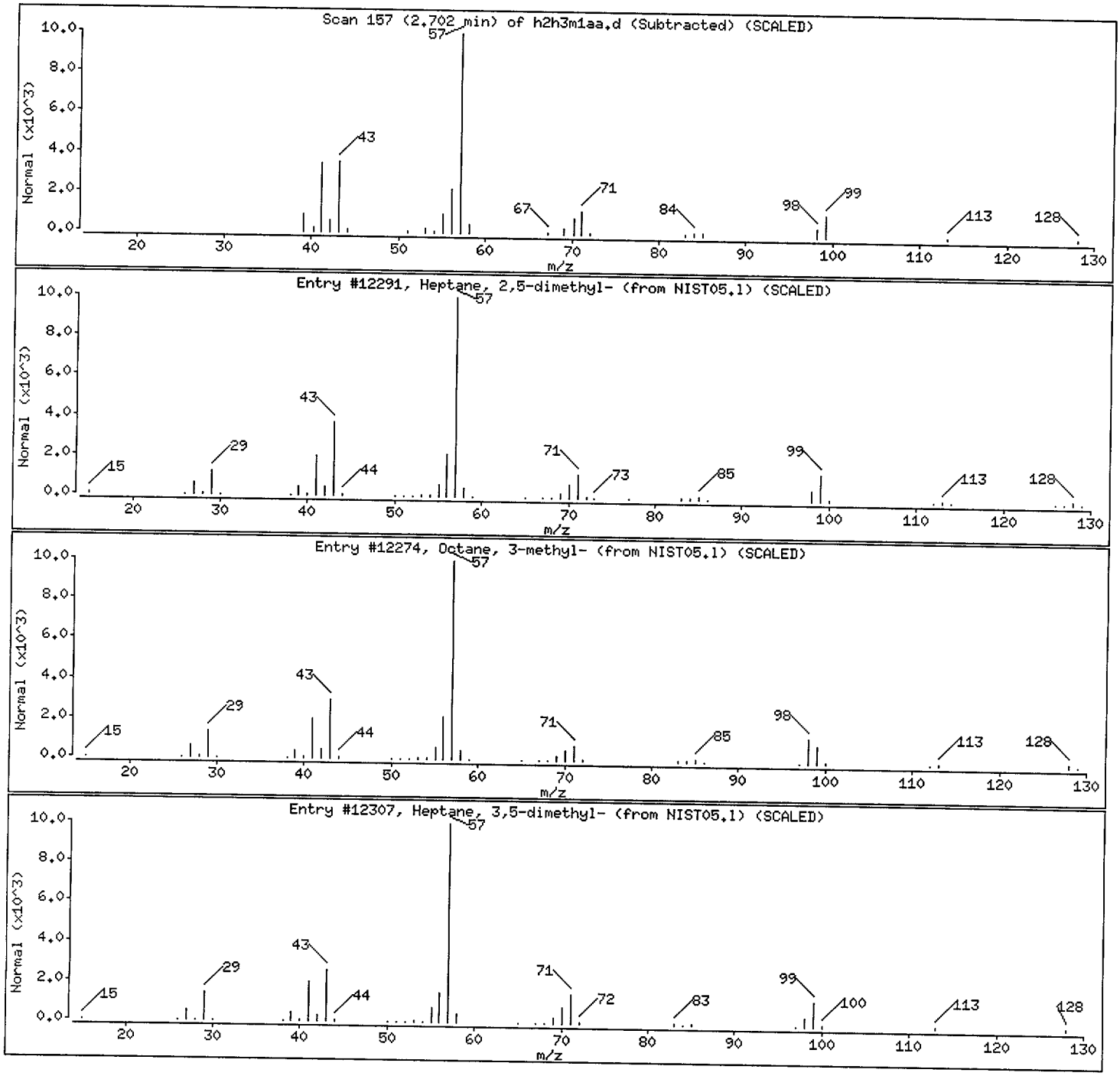
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.1	12291	91	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.1	12274	90	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.1	12307	81	C9H20	128



Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

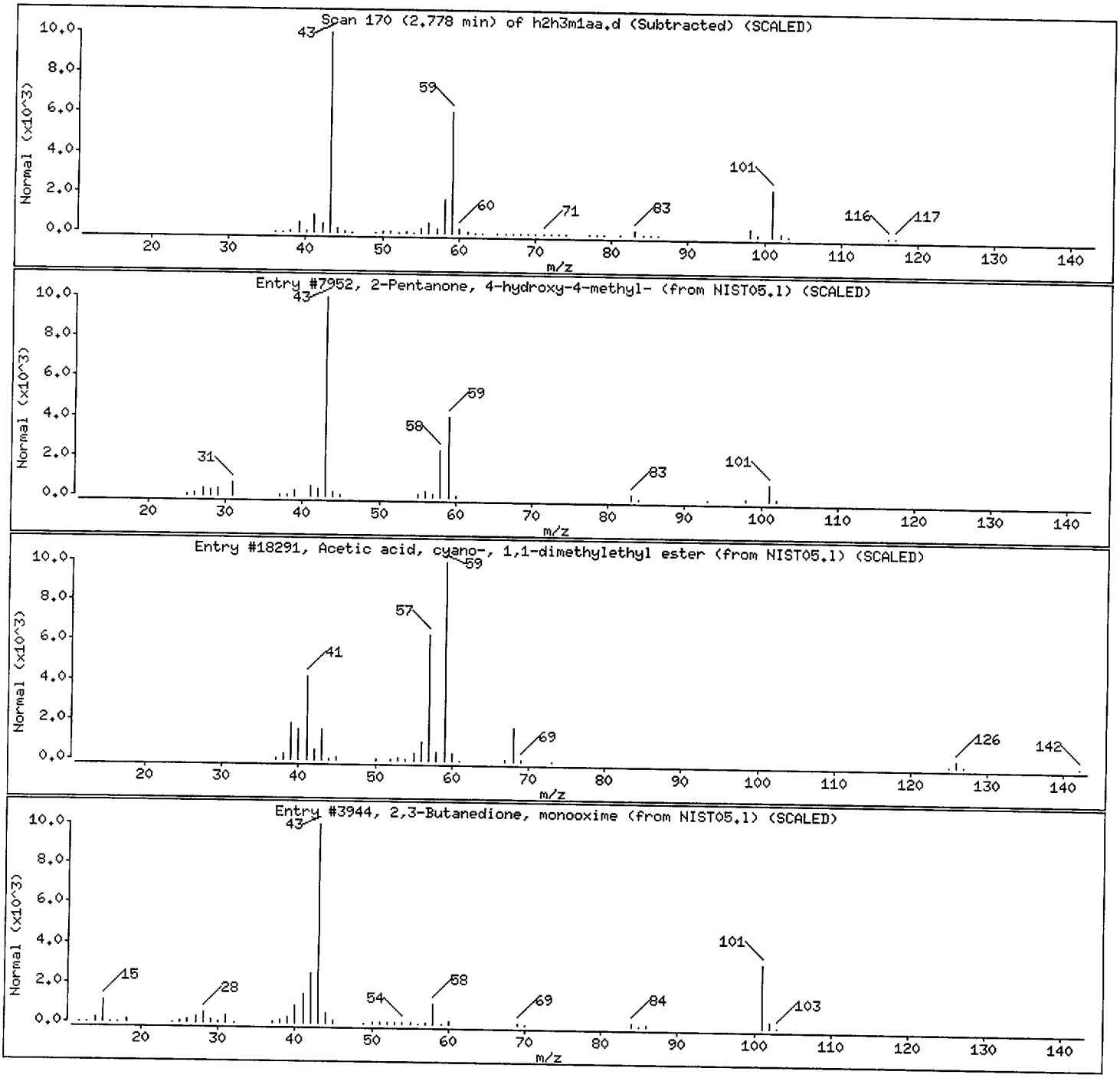
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.l	7952	56	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.l	18291	17	C7H11NO2	141
2,3-Butanedione, monooxime	57-71-6	NIST05.l	3944	9	C4H7NO2	101



Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

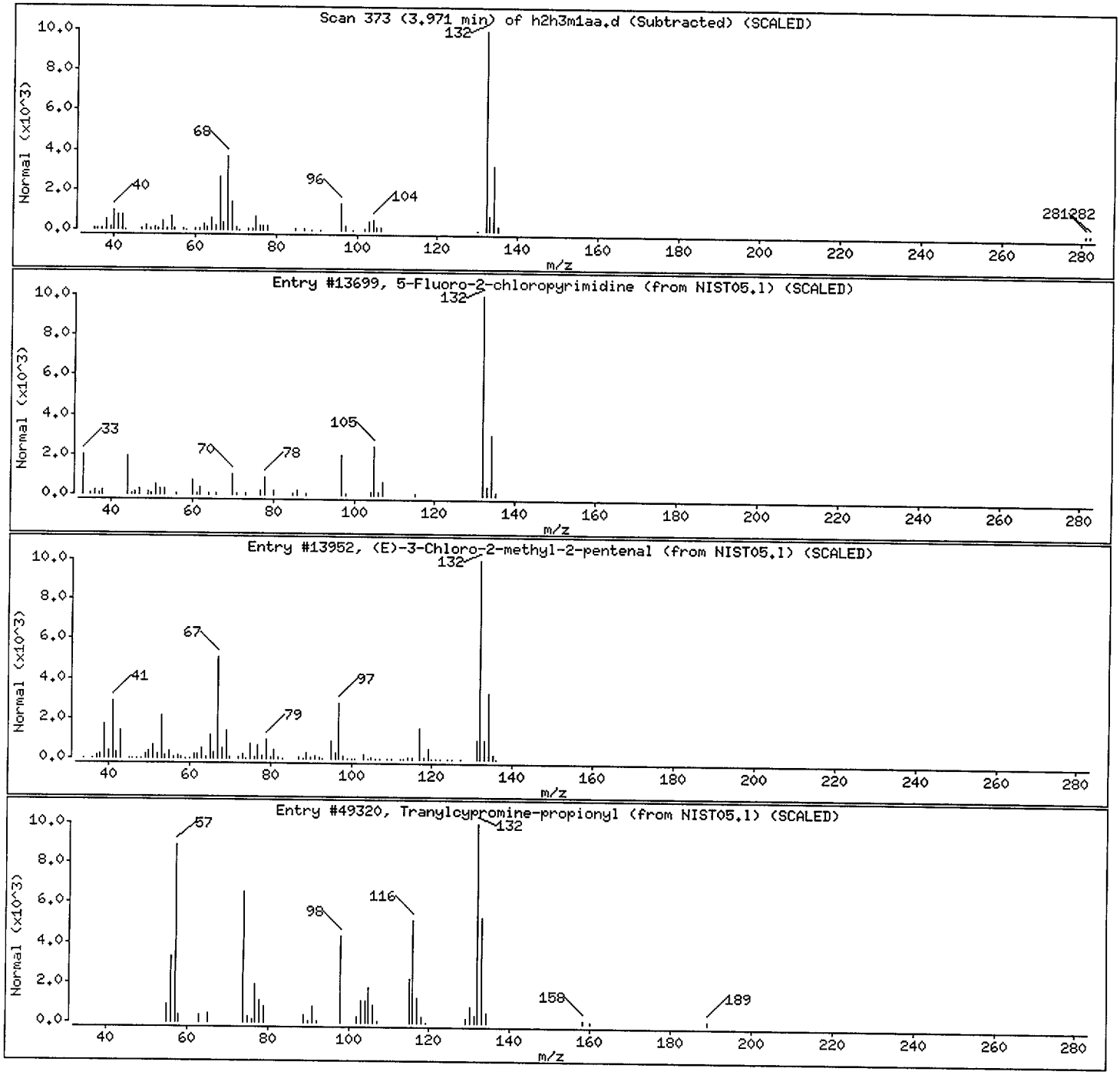
Client ID: G-2923/2924-R1-MM5 Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	25	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	17	C6H9ClO	132
Tranylcypromine-propionyl	1000123-86-3	NIST05.1	49320	12	C12H15NO	189



Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

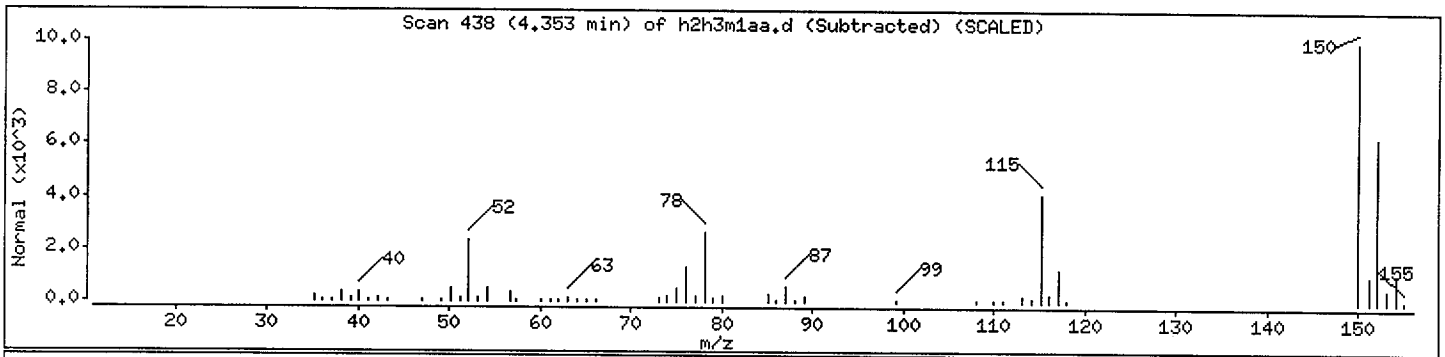
Client ID: G-2923/2924-R1-MM5 Instrument: md.i

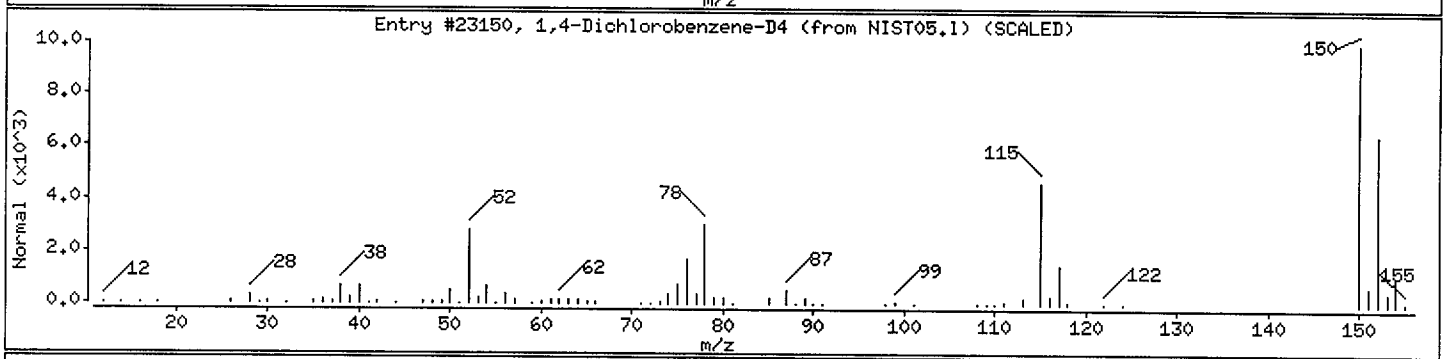
Sample Info: H2H3M1AA,,0,,,,

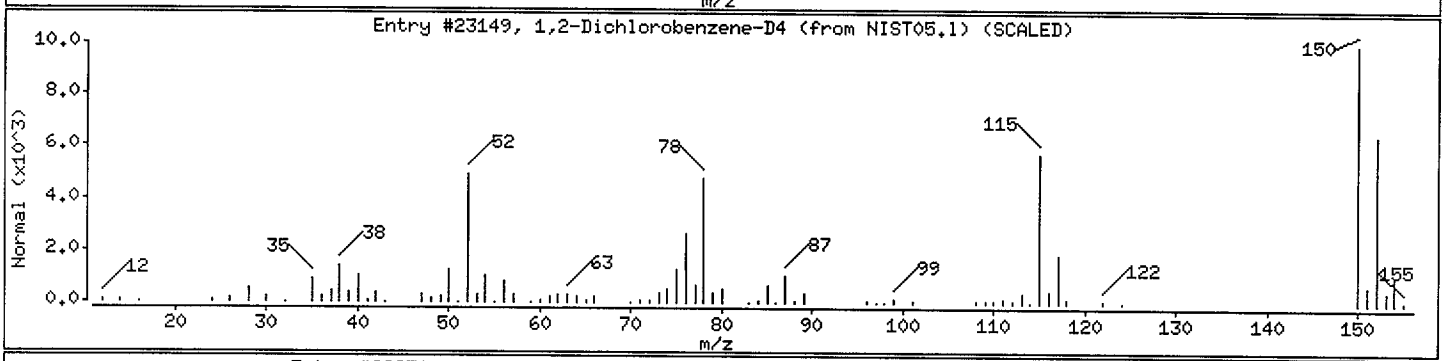
Volume Injected (uL): 1.0 Operator: 60841

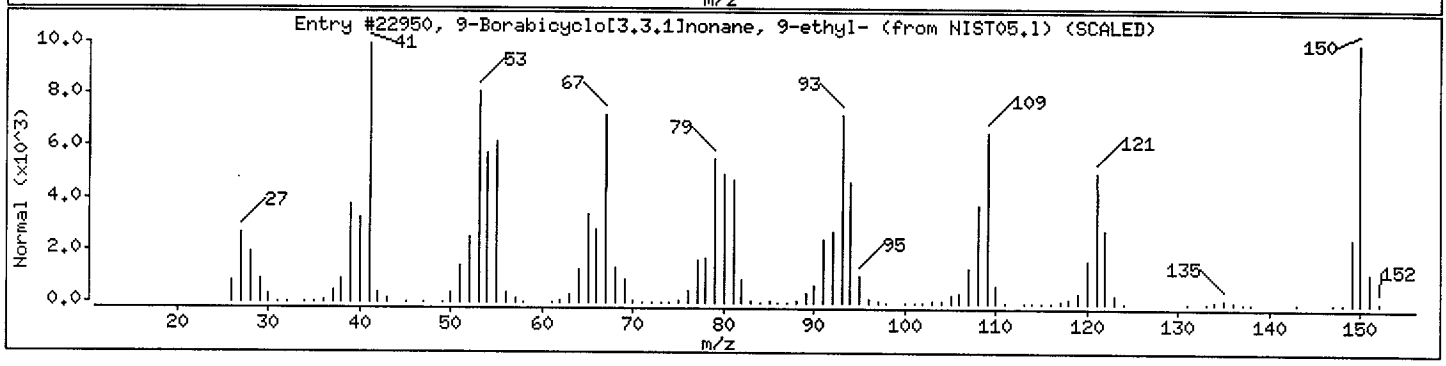
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	96	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	38	C10H19B	150









Data File: /var/chem/gcms/md.i/D042806.b/h2h3m1aa.d

Date : 28-APR-2006 18:28

Client ID: G-2923/2924-R1-MM5

Instrument: md.i

Sample Info: H2H3M1AA,,0,,,,

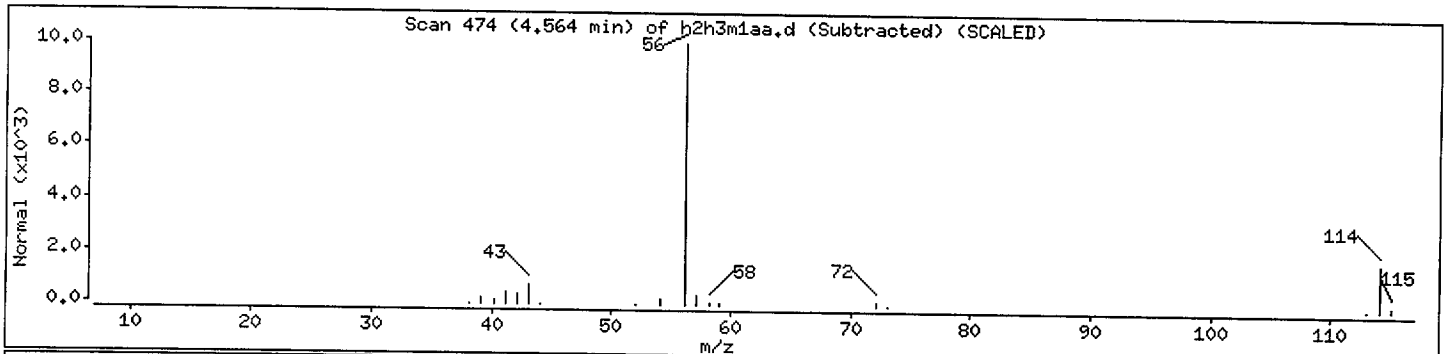
Volume Injected (uL): 1.0

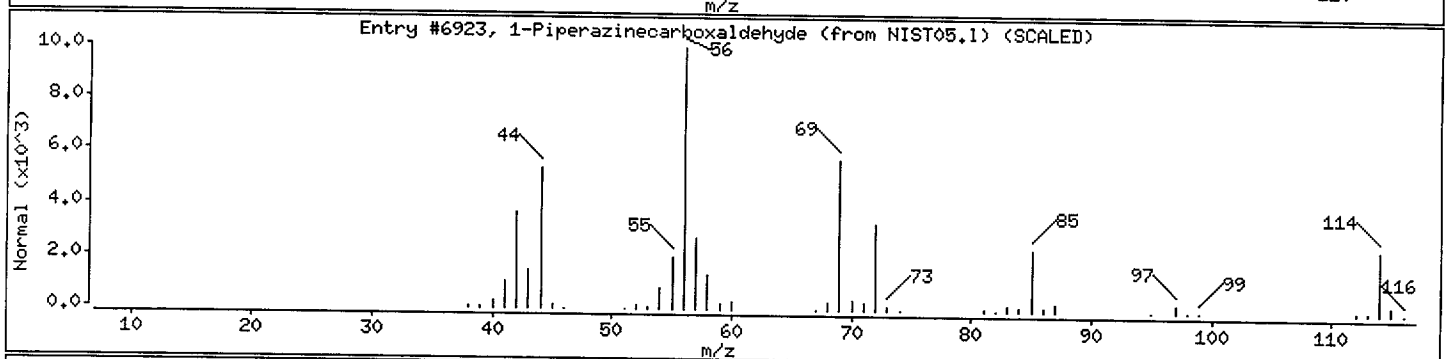
Operator: 60841

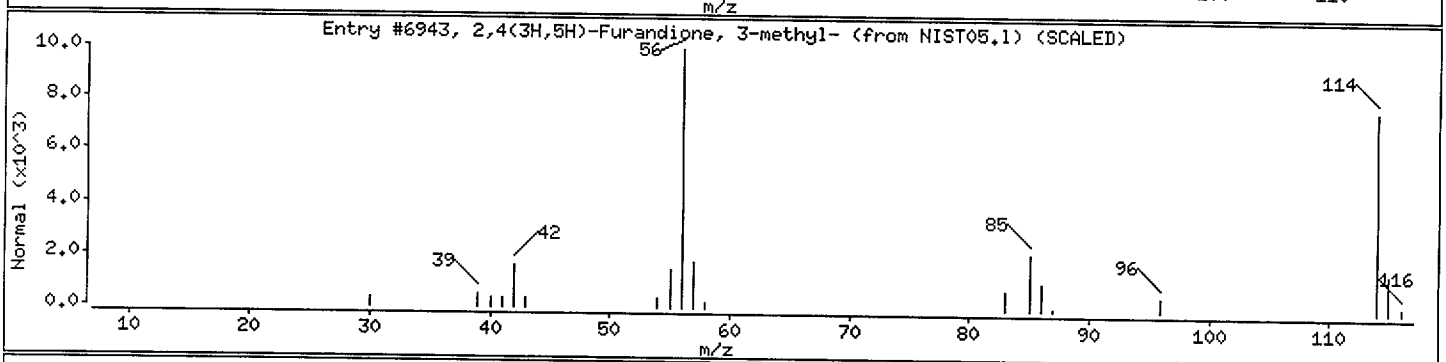
Column phase: ZB-5

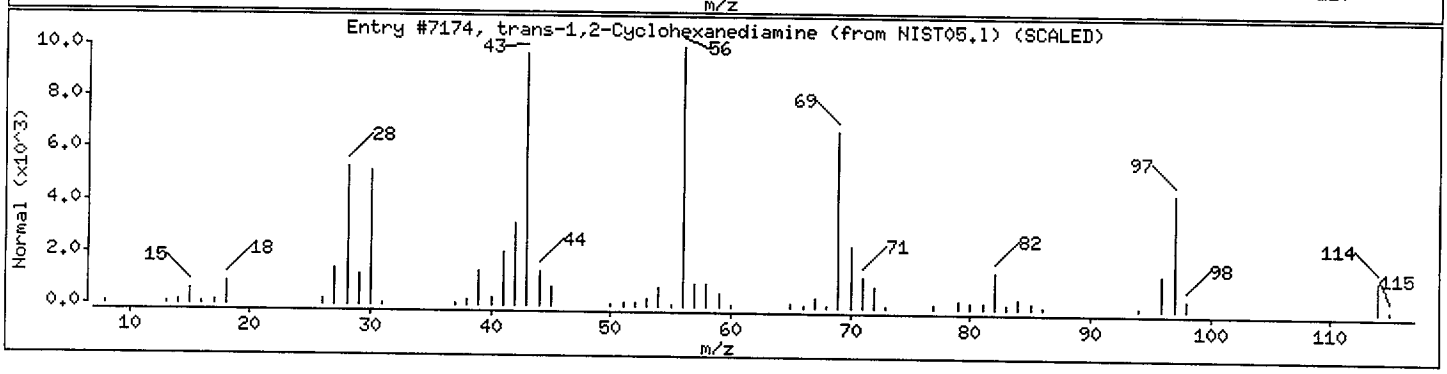
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Piperazinecarboxaldehyde	7755-92-2	NIST05.1	6923	5	C5H10N2O	114
2,4(3H,5H)-Furandione, 3-methyl-	1192-51-4	NIST05.1	6943	5	C5H6O3	114
trans-1,2-Cyclohexanediamine	1121-22-8	NIST05.1	7174	5	C6H14N2	114









STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Lab Smp Id: H2H3N1AA Client Smp ID: G-3017/3018-R2-MM5
Inj Date : 28-APR-2006 15:44
Operator : 60841 Inst ID: md.i
Smp Info : H2H3N1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:40 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05/04/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	74288	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	248431	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	174187	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	311785	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	305178	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	261615	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	153320	29.5124	29.5
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	194181	30.9866	31.0
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	119461	21.3323	21.3
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	281996	24.5572	24.6(R)
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	68670	34.7343	34.7
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	473229	31.8813	31.9
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	3276	0.94425	~~0.944~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Report Date: 01-May-2006 13:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	22893	2.05945	2.06
184 Benzaldehyde	105	3.977	3.742	(0.956)	2585	0.76216	~~0.762~~
185 Benzonitrile	103	3.971	3.935	(0.955)	7634	1.00490	~~1.00~~

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3n1aa.d
Lab Smp Id: H2H3N1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3017/3018-R2-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	74288	20.76
2 Naphthalene-d8	201763	100882	403526	248431	23.13
3 Acenaphthene-d10	143273	71636	286546	174187	21.58
4 Phenanthrene-d10	247023	123512	494046	311785	26.22
5 Chrysene-d12	265356	132678	530712	305178	15.01
6 Perylene-d12	233795	116898	467590	261615	11.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	-0.01
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.11
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H3N1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

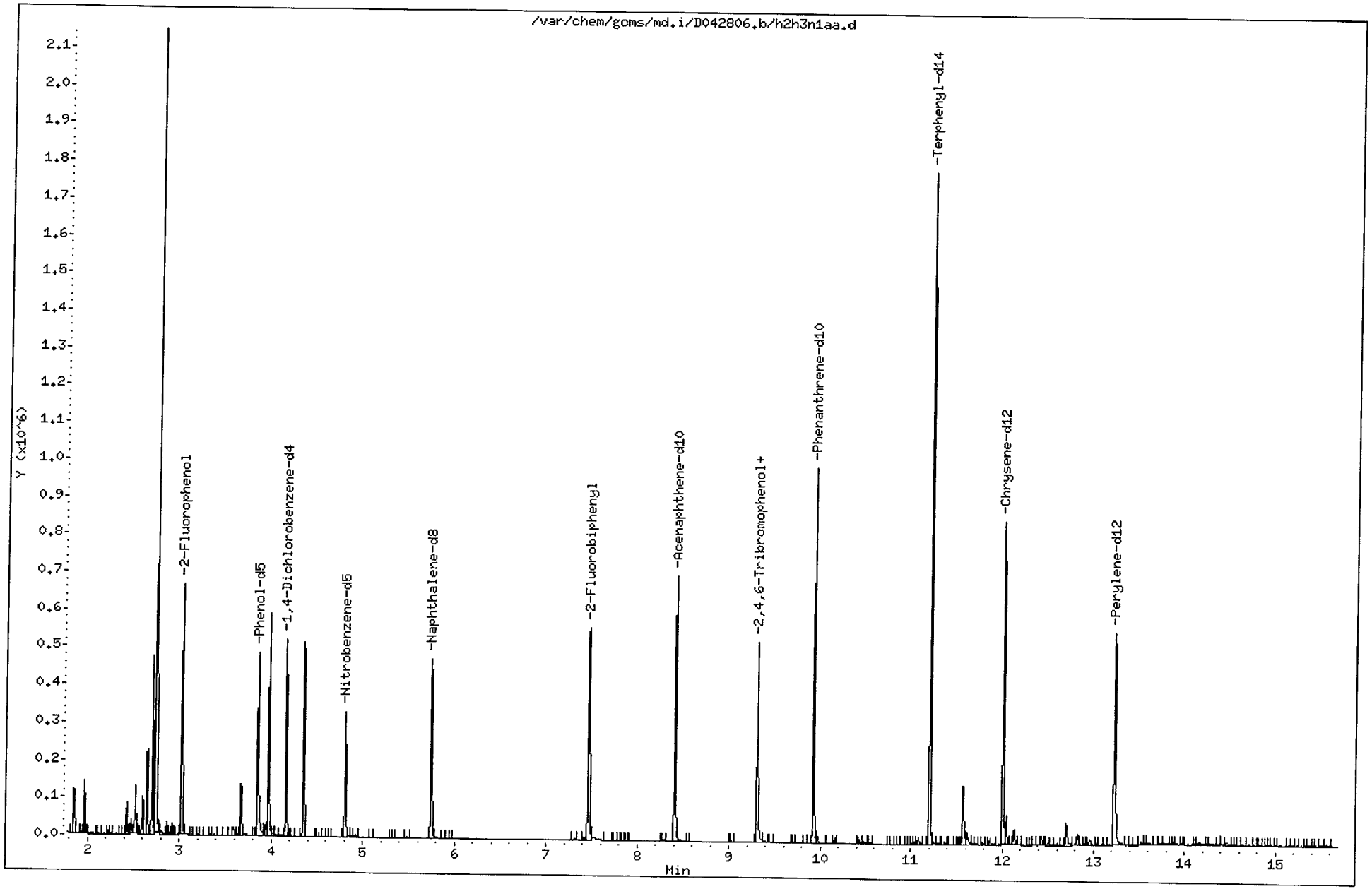
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3017/3018-R2-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	29.5	39.35	19-100
$ 8 Phenol-d5	75.0	31.0	41.32	15-124
$ 9 Nitrobenzene-d5	50.0	21.3	42.66	42-104
$ 10 2-Fluorobiphenyl	50.0	24.6	49.11*	51-103
$ 11 2,4,6-Tribromophen	75.0	34.7	46.31	33-130
$ 12 Terphenyl-d14	50.0	31.9	63.76	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Date : 28-APR-2006 15:44
Client ID: G-3017/3018-R2-MM5
Sample Info: H2H3N1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

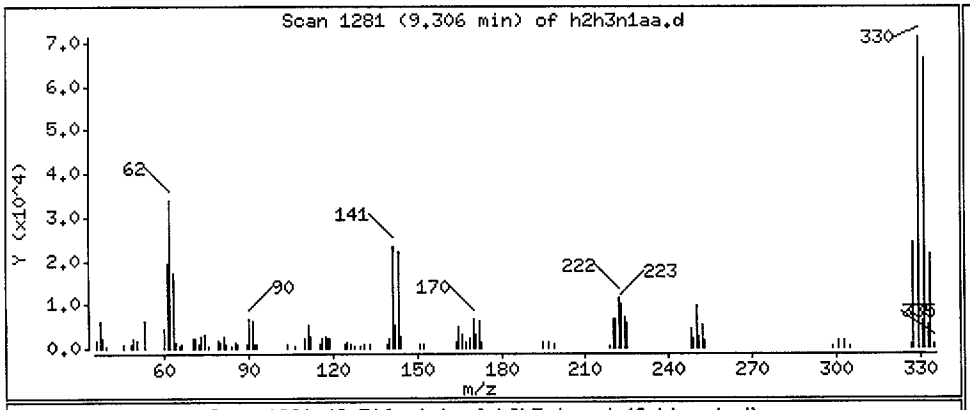
Client ID: G-3017/3018-R2-MM5 Instrument: md.i

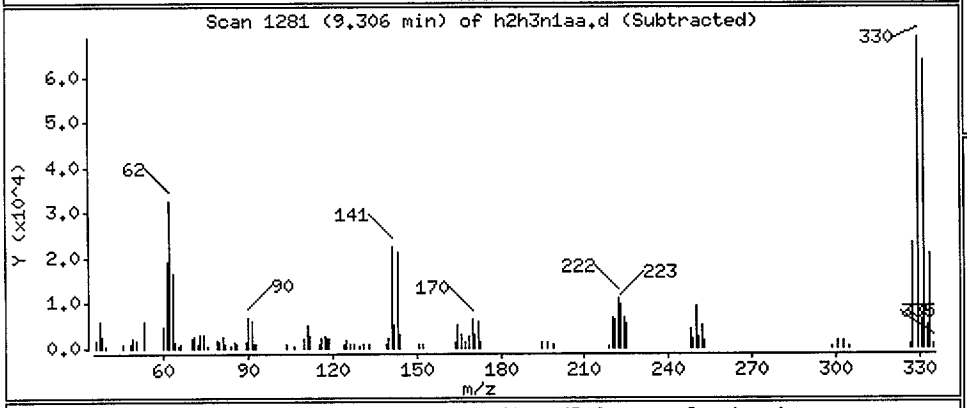
Sample Info: H2H3N1AA,,0,,,,

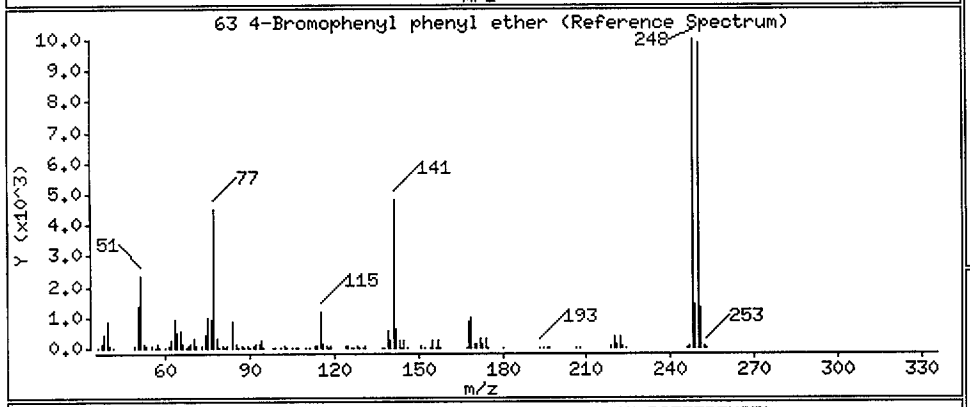
Volume Injected (uL): 1.0 Operator: 60841

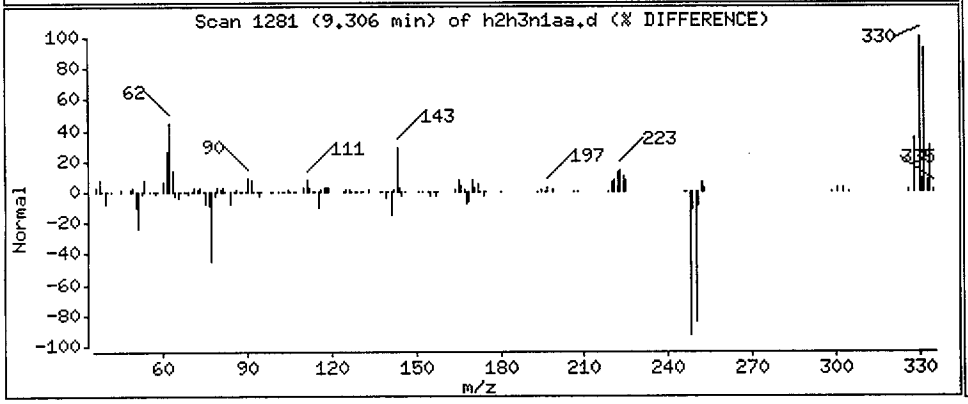
Column phase: ZB-5 Column diameter: 0.25

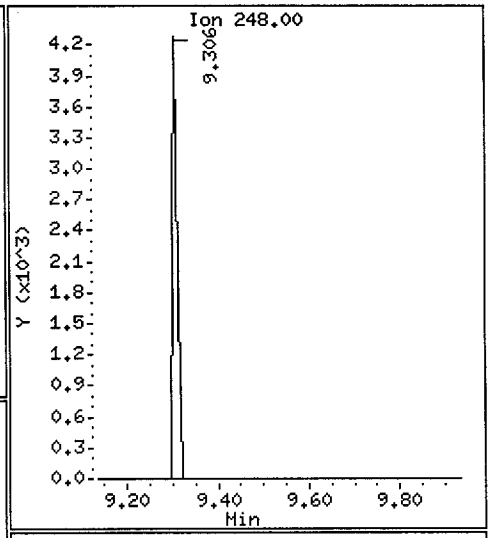
63 4-Bromophenyl phenyl ether Concentration: 0.944 ug

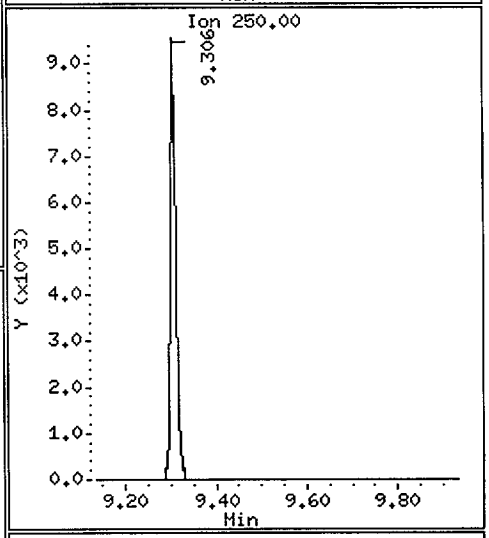


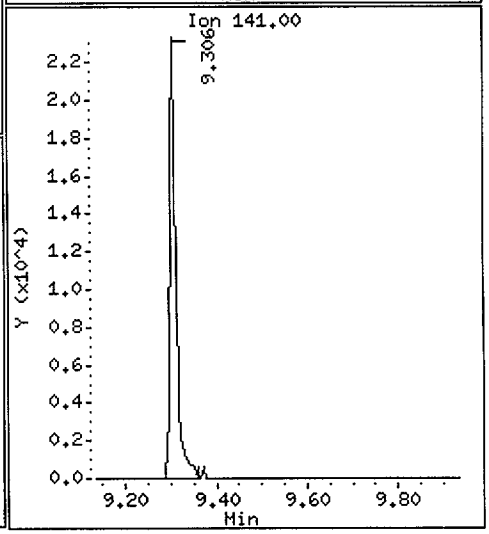












Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

Client ID: G-3017/3018-R2-MM5

Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0

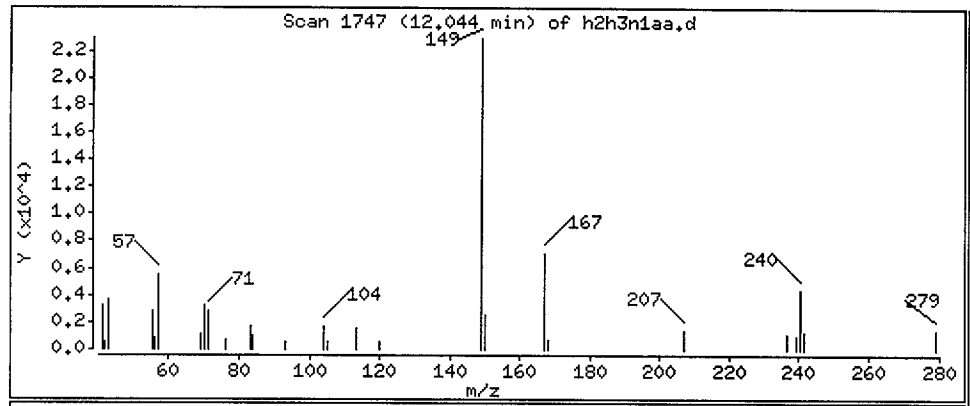
Operator: 60841

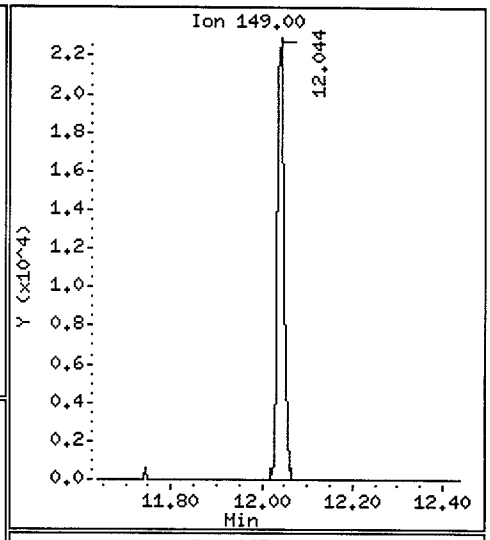
Column phase: ZB-5

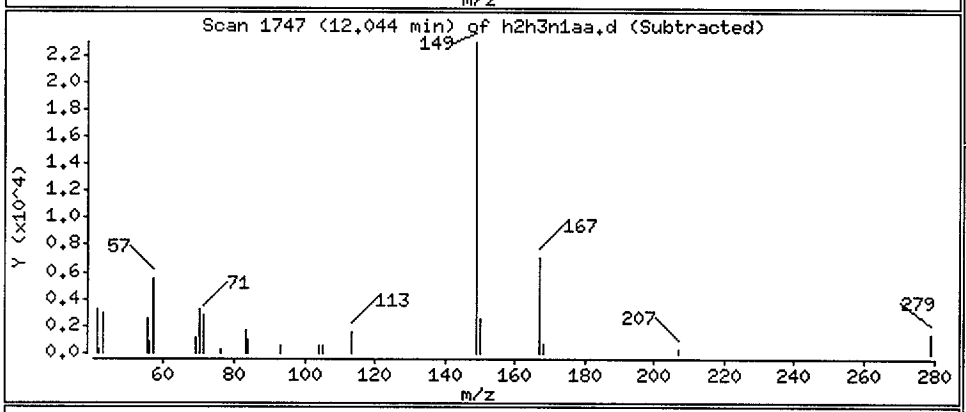
Column diameter: 0.25

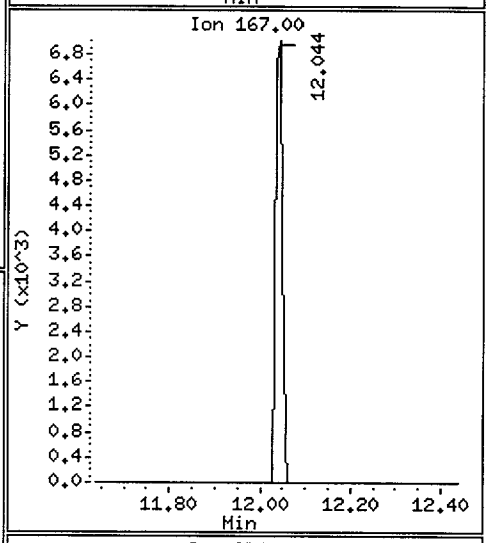
76 Bis(2-ethylhexyl) phthalate

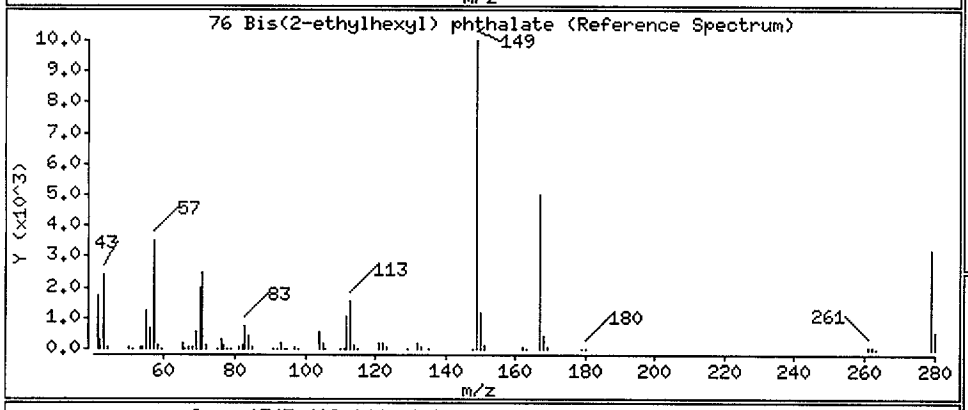
Concentration: 2.06 ug

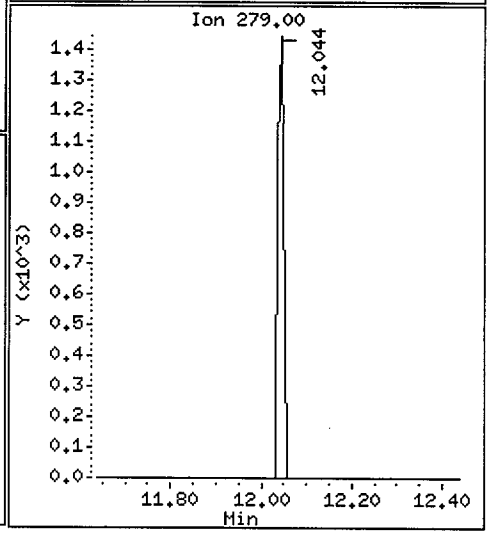


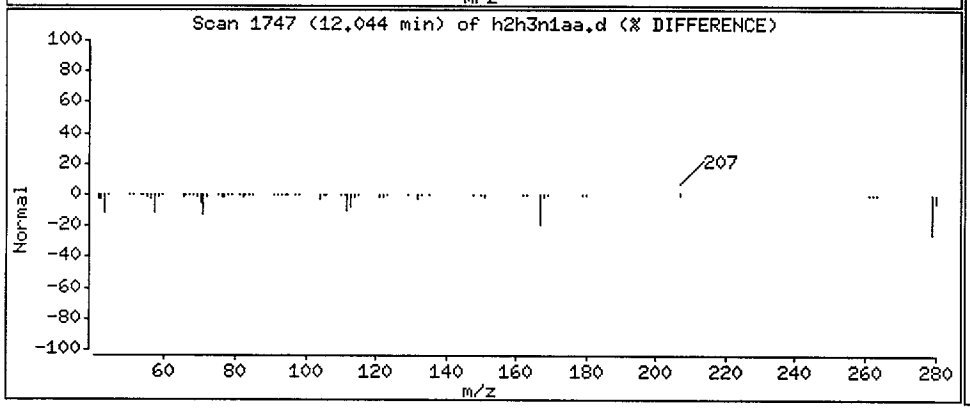












Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

Client ID: G-3017/3018-R2-MM5

Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0

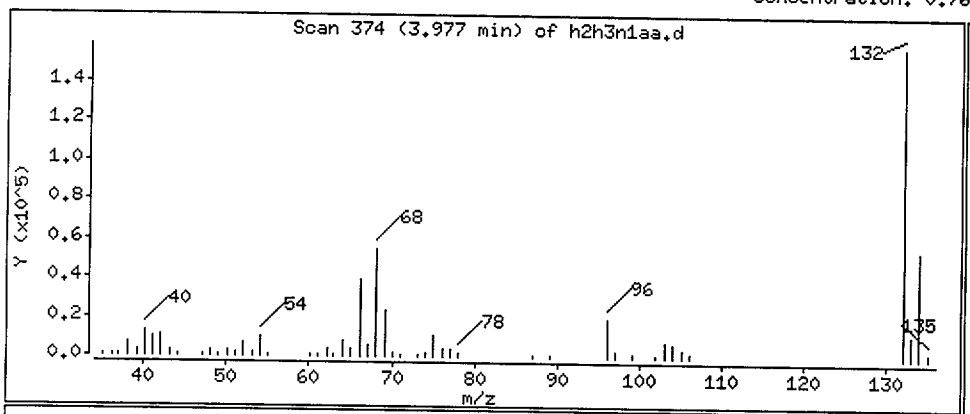
Operator: 60841

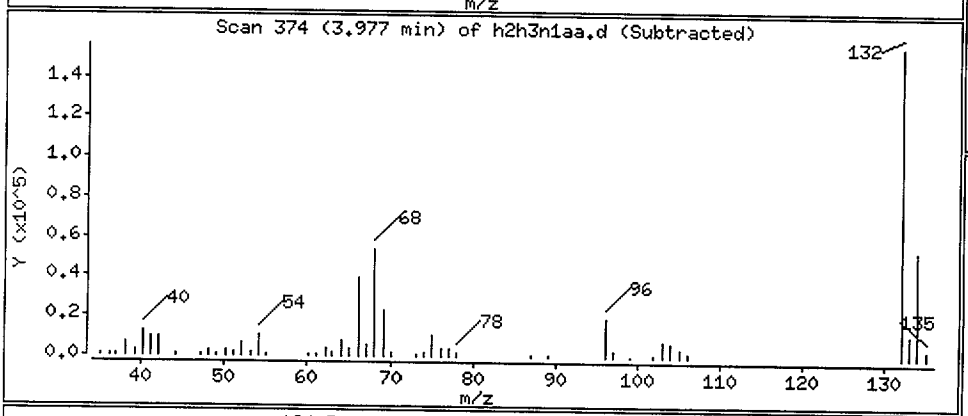
Column phase: ZB-5

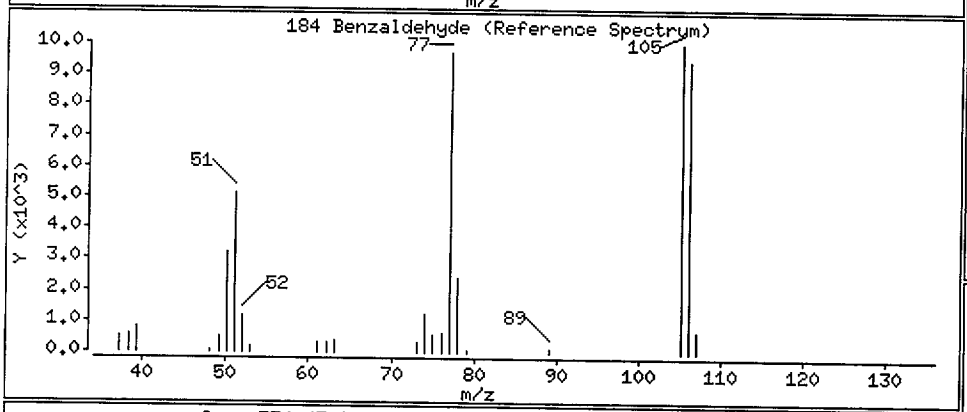
Column diameter: 0.25

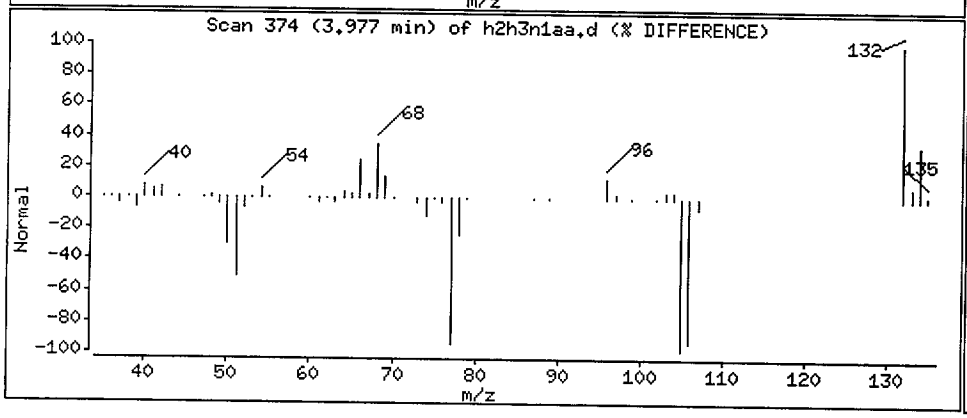
184 Benzaldehyde

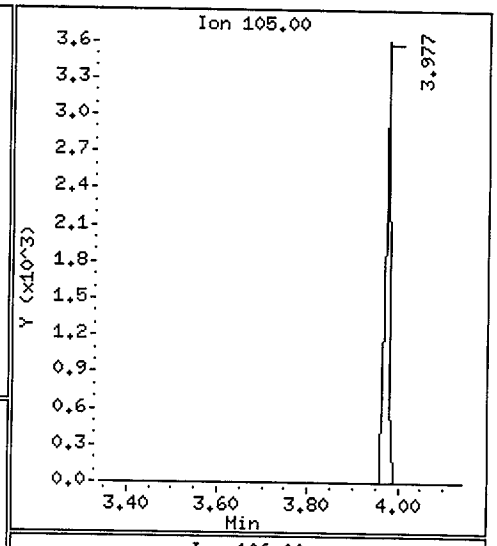
Concentration: 0.762 ug

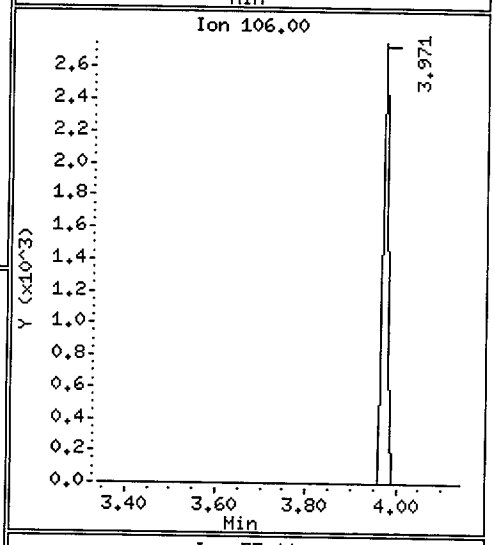


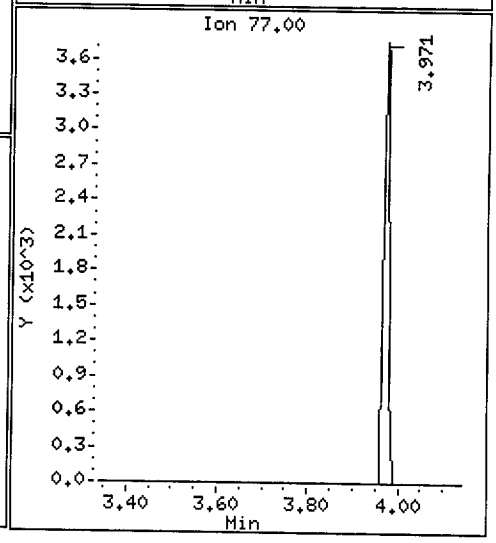












Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

Client ID: G-3017/3018-R2-MM5

Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0

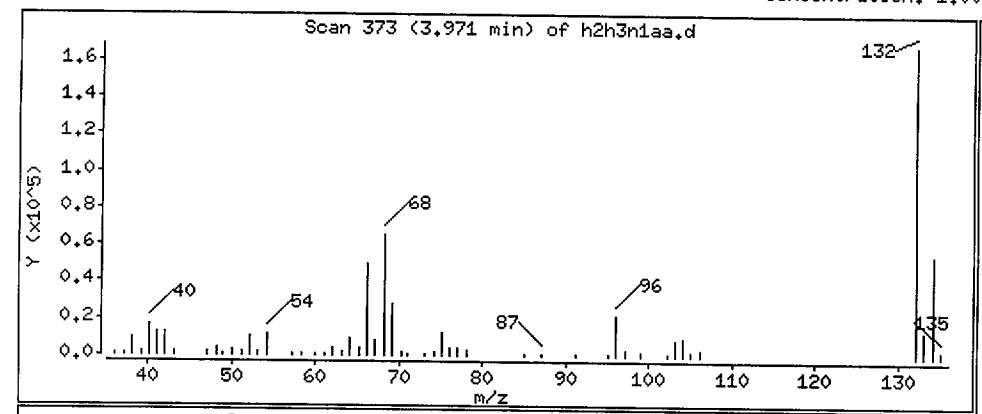
Operator: 60841

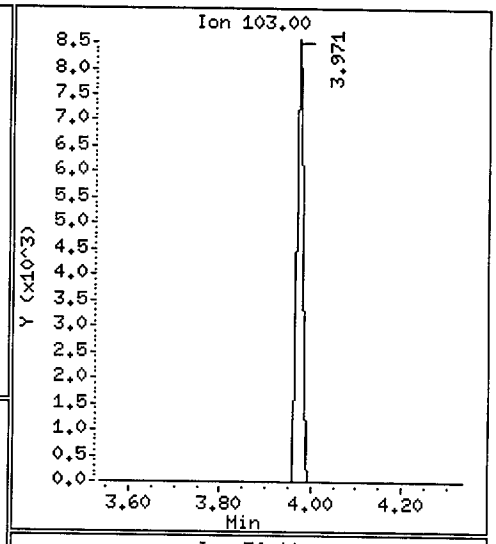
Column phase: ZB-5

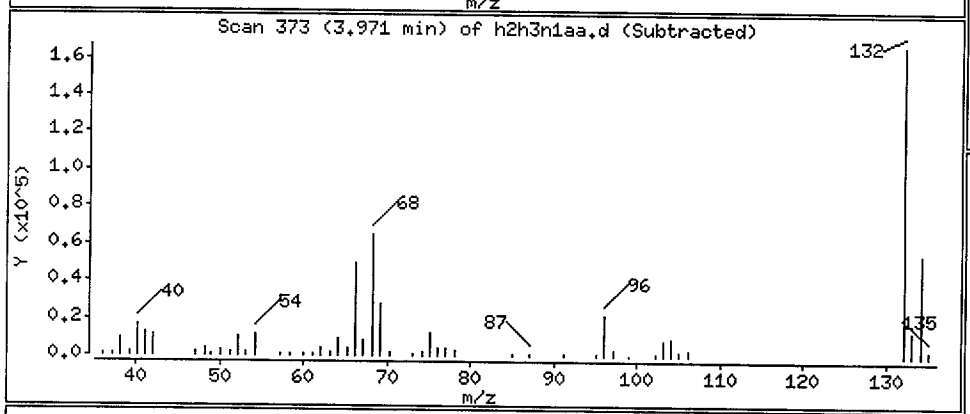
Column diameter: 0.25

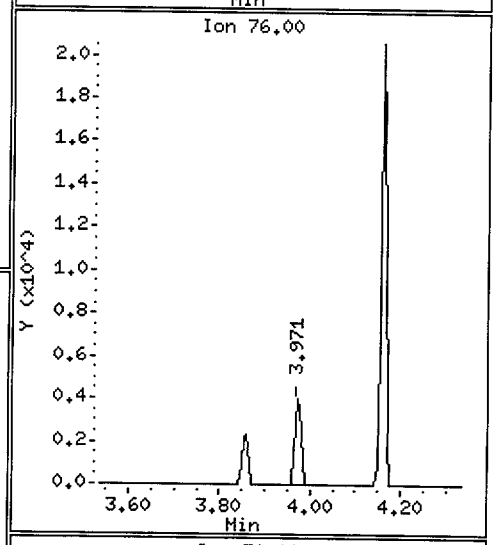
185 Benzonitrile

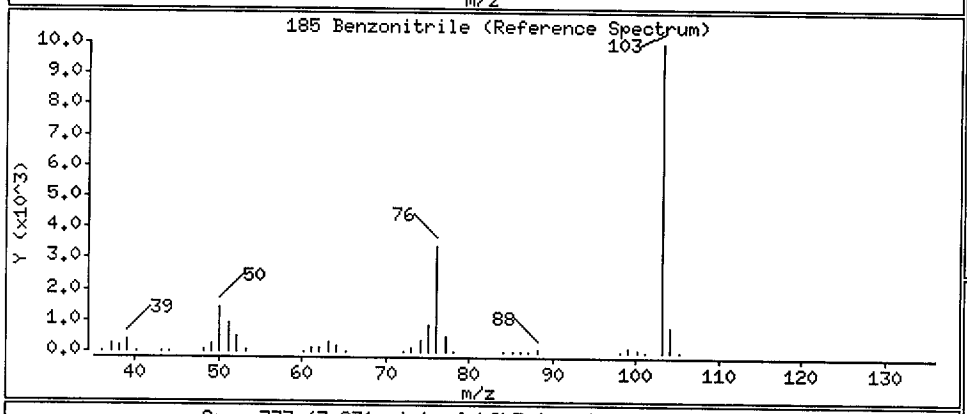
Concentration: 1.00 ug

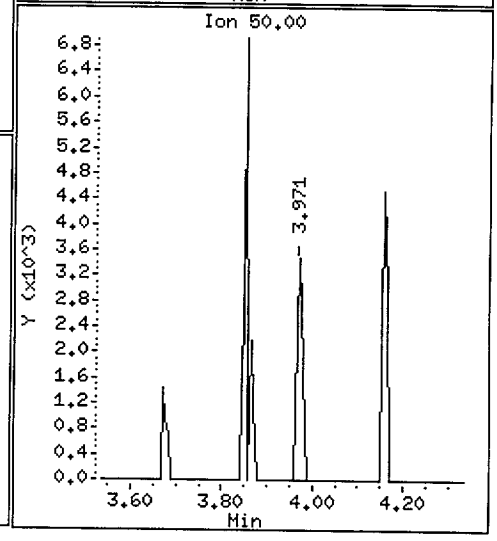


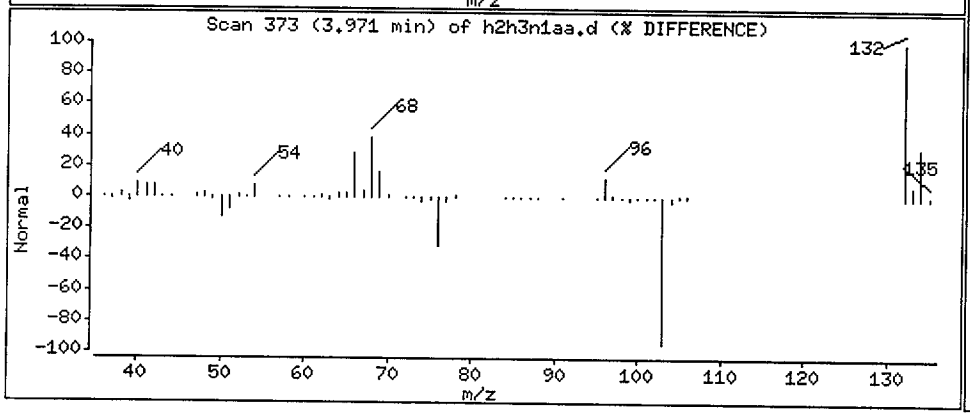












Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Report Date: 01-May-2006 14:10

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Lab Smp Id: H2H3N1AA Client Smp ID: G-3017/3018-R2-MM5
Inj Date : 28-APR-2006 15:44
Operator : 60841 Inst ID: md.i
Smp Info : H2H3N1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:56 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	523423	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
Furan, 2,5-dimethyl-				CAS #: 625-86-5			
1.850	119945	4.58310009	4.58	90	NIST05.1	2739	1
Sulfurous acid, dipropyl ester				CAS #: 623-98-3			
1.967	141721	5.41516135	5.42	9	NIST05.1	33690	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d
Report Date: 01-May-2006 14:10

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
3-Hexanol, 3,4-diethyl-,					CAS #: 19398-78-8		
2.525	126345	4.82764418	4.83	32	NIST05.l	28388	1
Heptane, 2,6-dimethyl-					CAS #: 1072-05-5		
2.655	226335	8.64826345	8.65	83	NIST05.l	12297	1
Heptane, 2,5-dimethyl-					CAS #: 2216-30-0		
2.707	474454	18.1288938	18.1	94	NIST05.l	12291	1
2-Pentanone, 4-hydroxy-4-methyl-					CAS #: 123-42-2		
2.749	2143610	81.9073675	81.9	56	NIST05.l	7952	1
3-Hexene-2,5-dione					CAS #: 4436-75-3		
3.671	135671	5.18399077	5.18	90	NIST05.l	6190	1
(E)-3-Chloro-2-methyl-2-pentenal S					CAS #: 31357-76-3		
3.971	590327	22.5564028	22.6	27	NIST05.l	13952	1
1,4-Dichlorobenzene-D4 S					CAS #: 3855-82-1		
4.353	516234	19.7253082	19.7	96	NIST05.l	23150	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

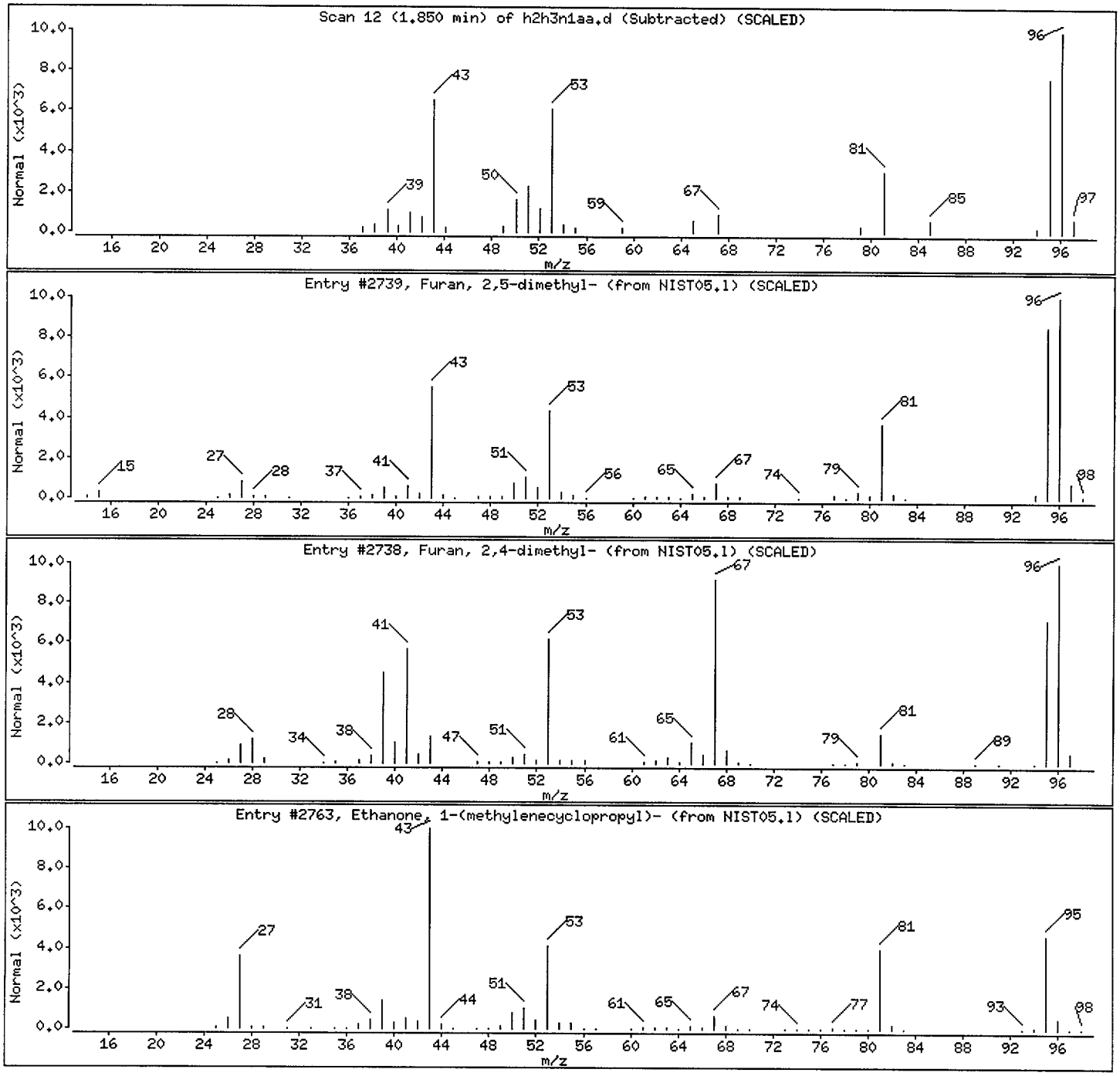
Client ID: G-3017/3018-R2-MM5 Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, 2,5-dimethyl-	625-86-5	NIST05.1	2739	90	C6H8O	96
Furan, 2,4-dimethyl-	3710-43-8	NIST05.1	2738	56	C6H8O	96
Ethanone, 1-(methylenecyclopropyl)-	62266-35-7	NIST05.1	2763	42	C6H8O	96



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Date : 28-APR-2006 15:44

Client ID: G-3017/3018-R2-MM5

Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

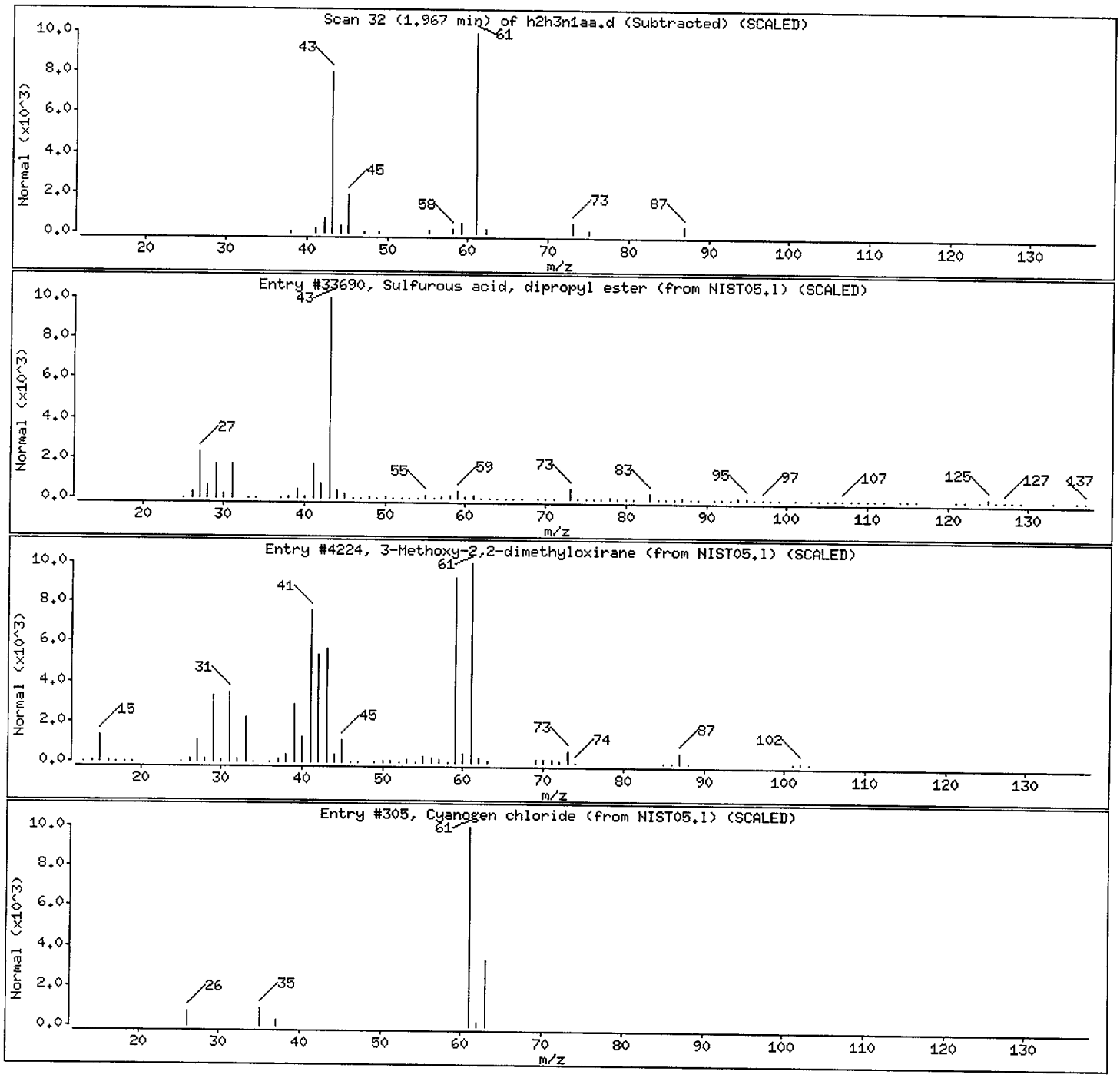
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Sulfurous acid, dipropyl ester	623-98-3	NIST05.1	33690	9	C6H14O3S	166
3-Methoxy-2,2-dimethyloxirane	26196-04-3	NIST05.1	4224	9	C5H10O2	102
Cyanogen chloride	506-77-4	NIST05.1	305	4	CClN	61



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Date : 28-APR-2006 15:44

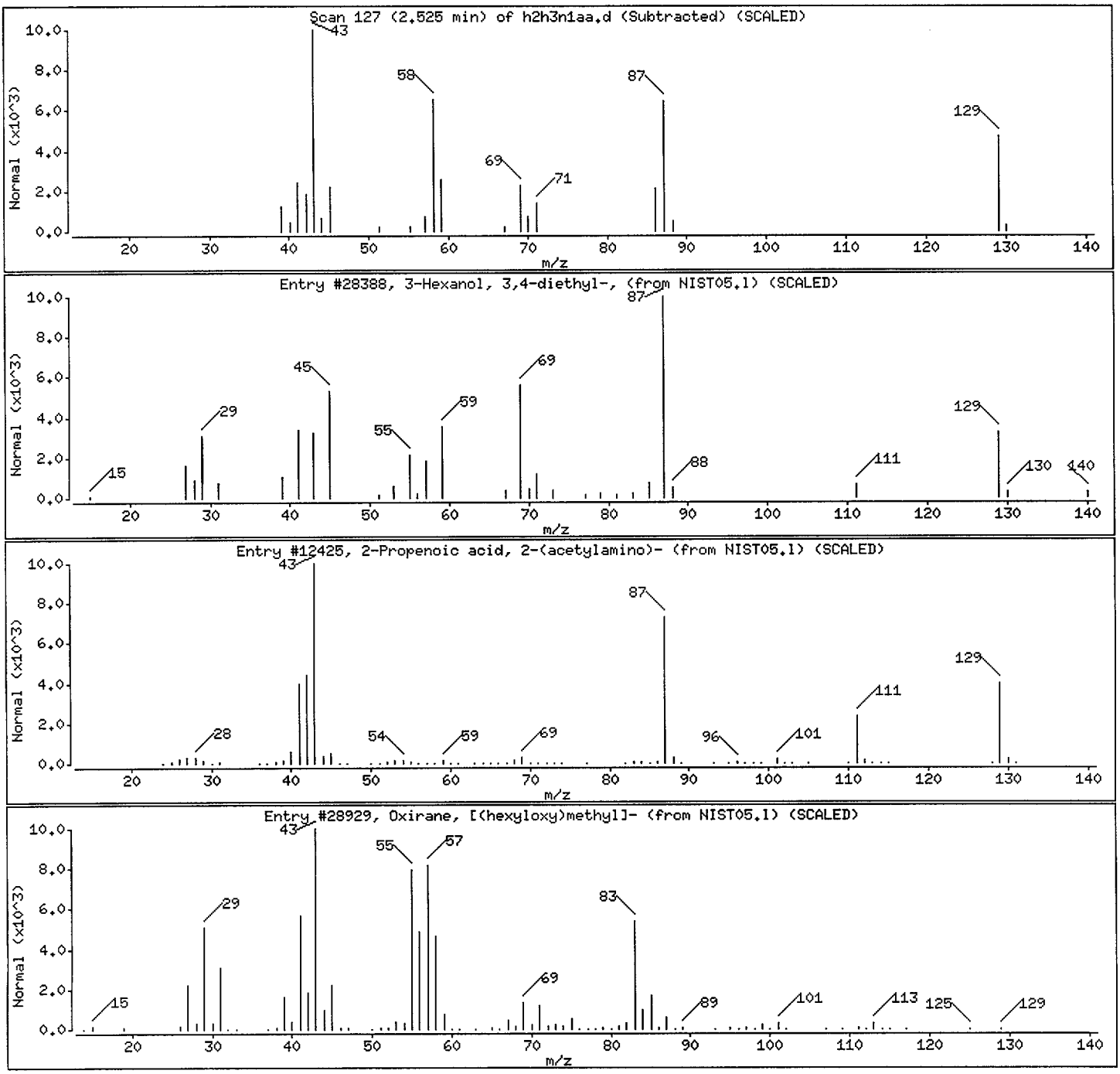
Client ID: G-3017/3018-R2-MM5 Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hexanol, 3,4-diethyl-,	19398-78-8	NIST05.l	28388	32	C10H22O	158
2-Propenoic acid, 2-(acetylamino)-	5429-56-1	NIST05.l	12425	32	C5H7NO3	129
Oxirane, [(hexyloxy)methyl]-	5926-90-9	NIST05.l	28929	27	C9H18O2	158



Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

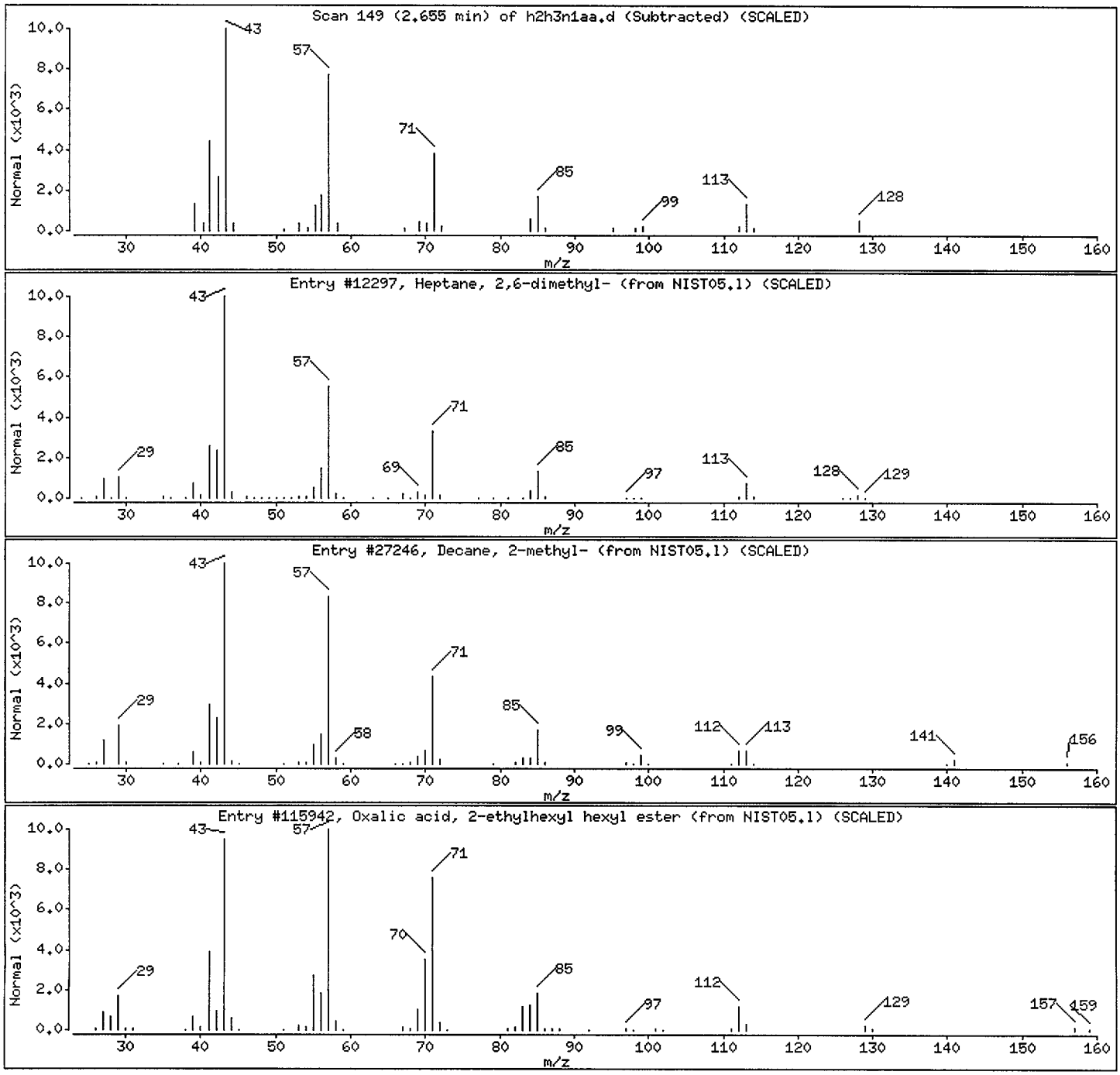
Client ID: G-3017/3018-R2-MM5 Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,6-dimethyl-	1072-05-5	NIST05.1	12297	83	C9H20	128
Decane, 2-methyl-	6975-98-0	NIST05.1	27246	83	C11H24	156
Oxalic acid, 2-ethylhexyl hexyl ester	1000309-38-9	NIST05.1	115942	59	C16H3004	286



Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

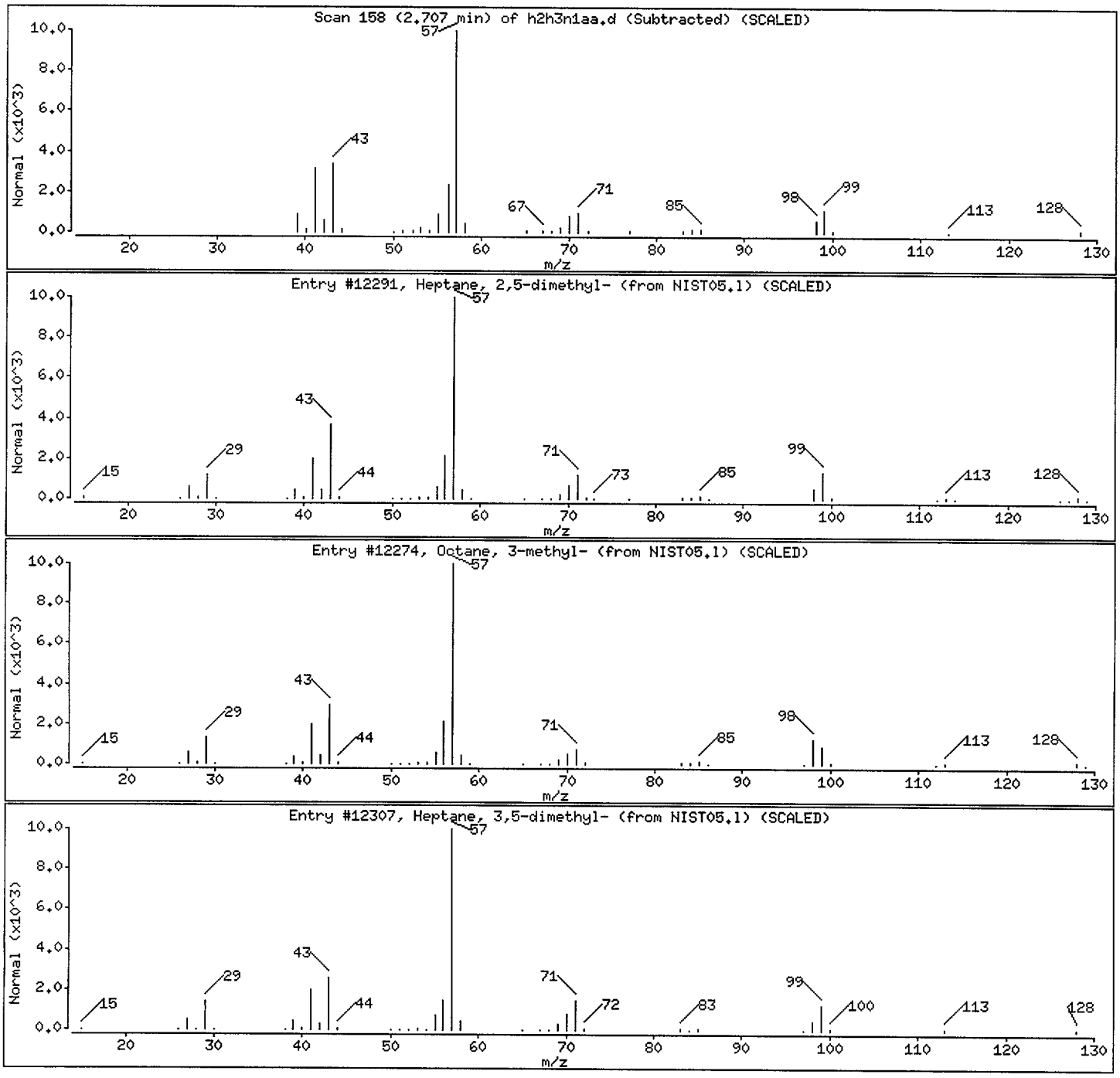
Client ID: G-3017/3018-R2-MM5 Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.1	12291	94	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.1	12274	90	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.1	12307	81	C9H20	128



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Date : 28-APR-2006 15:44

Client ID: G-3017/3018-R2-MM5

Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

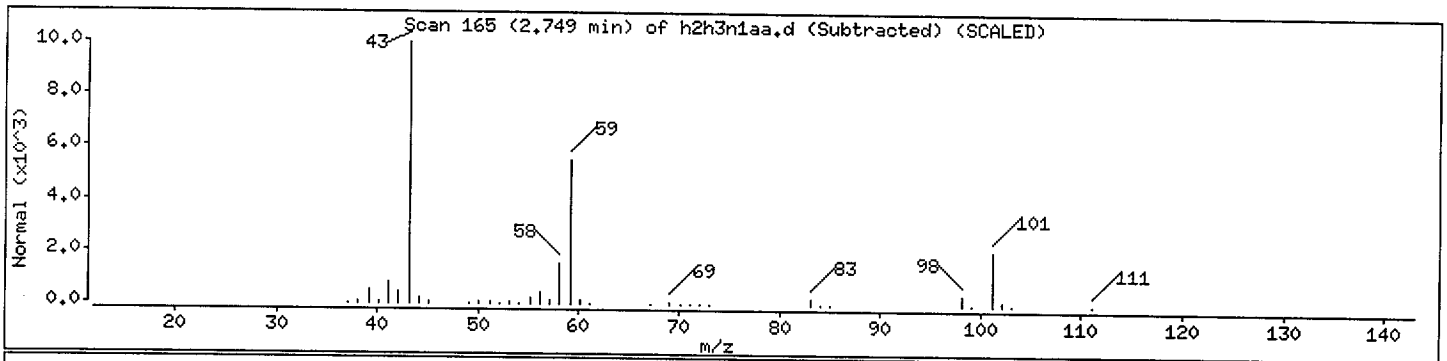
Volume Injected (uL): 1.0

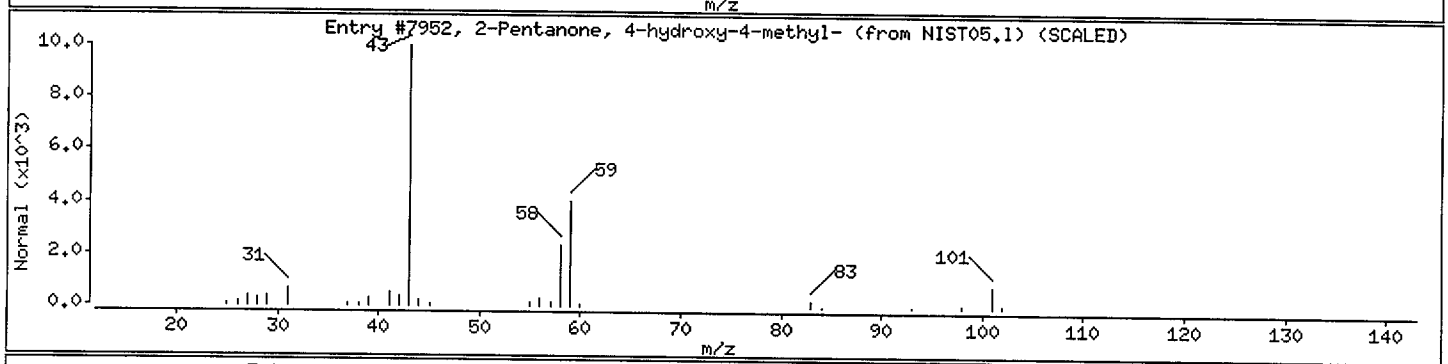
Operator: 60841

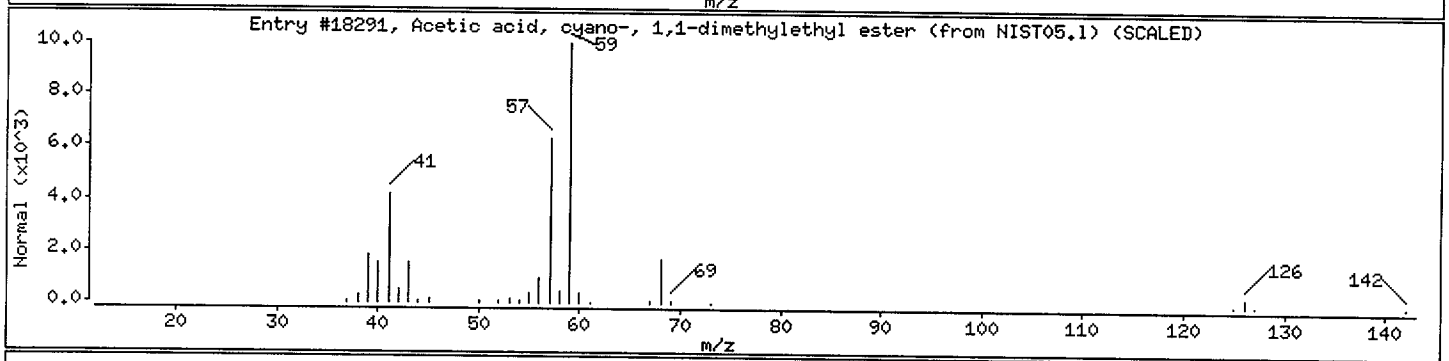
Column phase: ZB-5

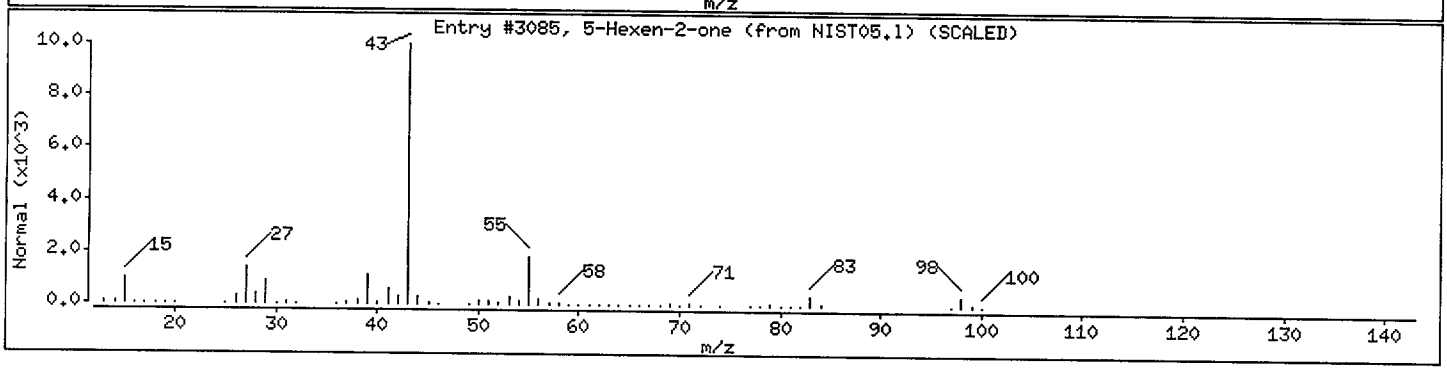
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7952	56	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.1	18291	17	C7H11NO2	141
5-Hexen-2-one	109-49-9	NIST05.1	3085	9	C6H10O	98









Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

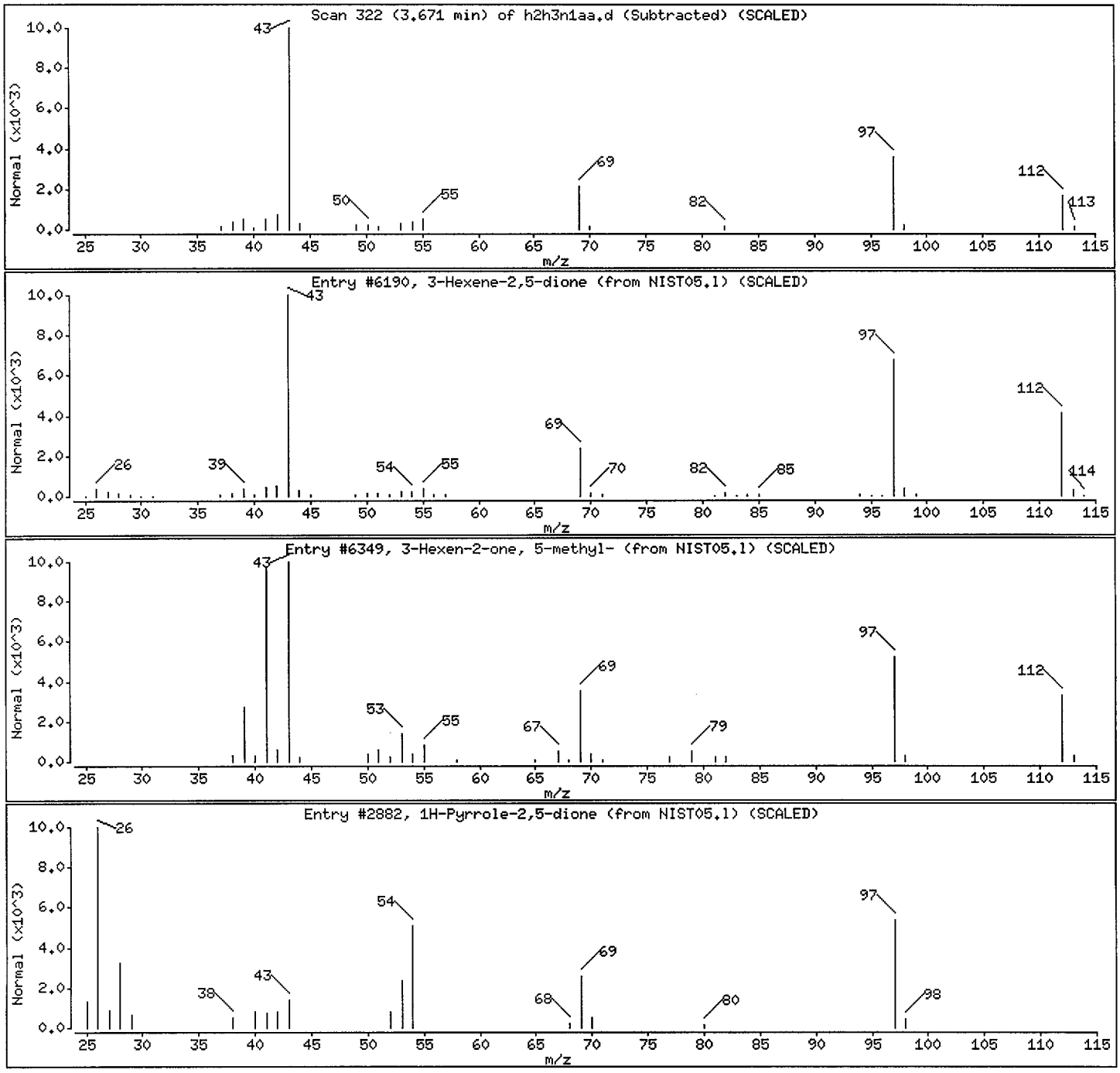
Client ID: G-3017/3018-R2-MM5 Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hexene-2,5-dione	4436-75-3	NIST05.1	6190	90	C6H8O2	112
3-Hexen-2-one, 5-methyl-	5166-53-0	NIST05.1	6349	50	C7H12O	112
1H-Pyrrole-2,5-dione	541-59-3	NIST05.1	2882	25	C4H3NO2	97



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Date : 28-APR-2006 15:44

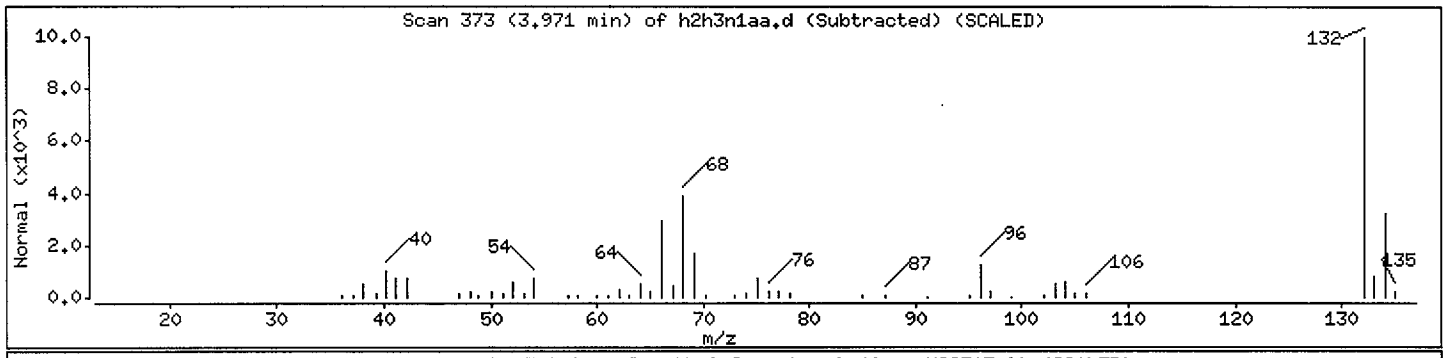
Client ID: G-3017/3018-R2-MM5 Instrument: md.i

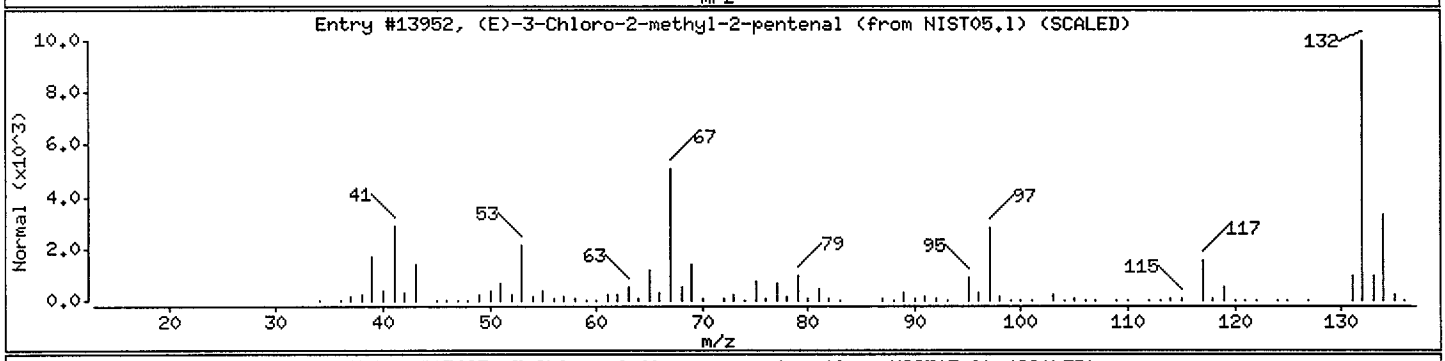
Sample Info: H2H3N1AA,,0,,,,

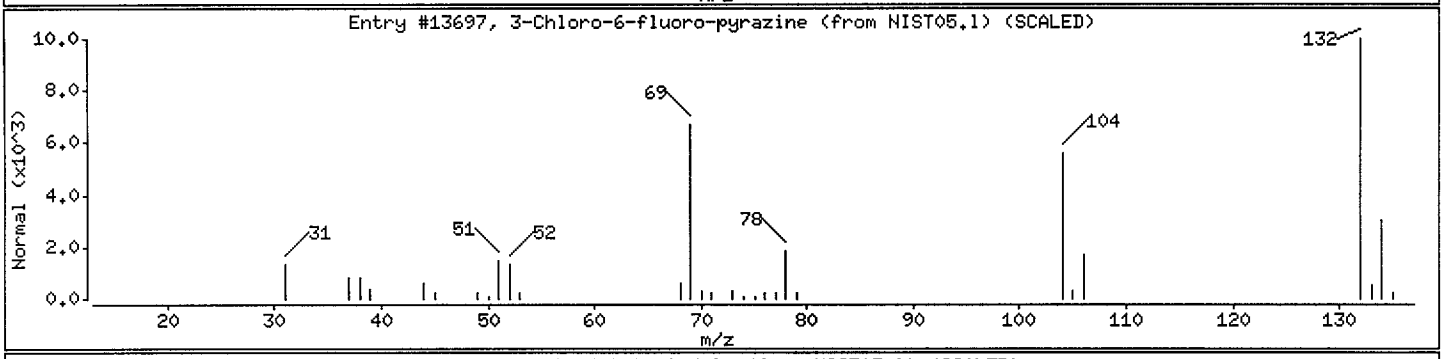
Volume Injected (uL): 1.0 Operator: 60841

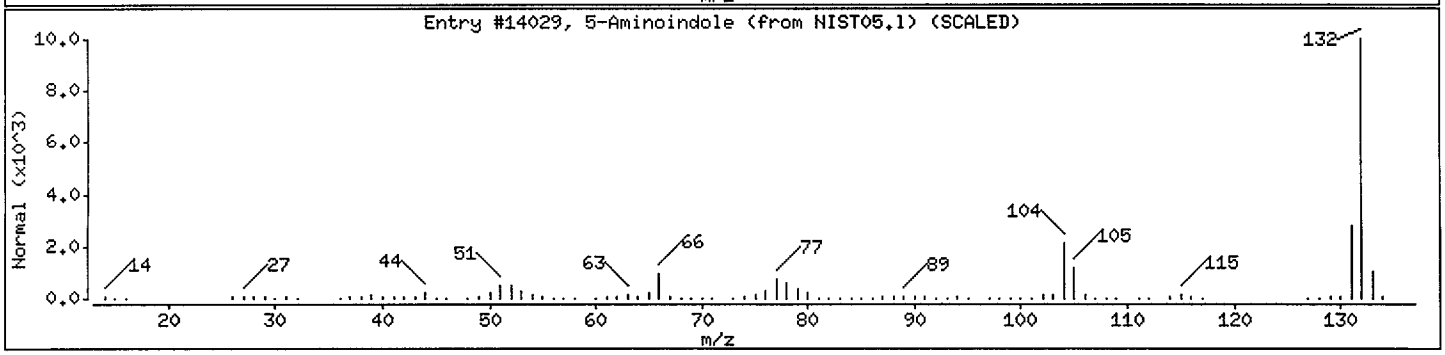
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	27	C6H9ClO	132
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	27	C4H2ClFN2	132
5-Aminoindole	5192-03-0	NIST05.1	14029	12	C8H8N2	132









Data File: /var/chem/gcms/md.i/D042806.b/h2h3n1aa.d

Date : 28-APR-2006 15:44

Client ID: G-3017/3018-R2-MM5

Instrument: md.i

Sample Info: H2H3N1AA,,0,,,,

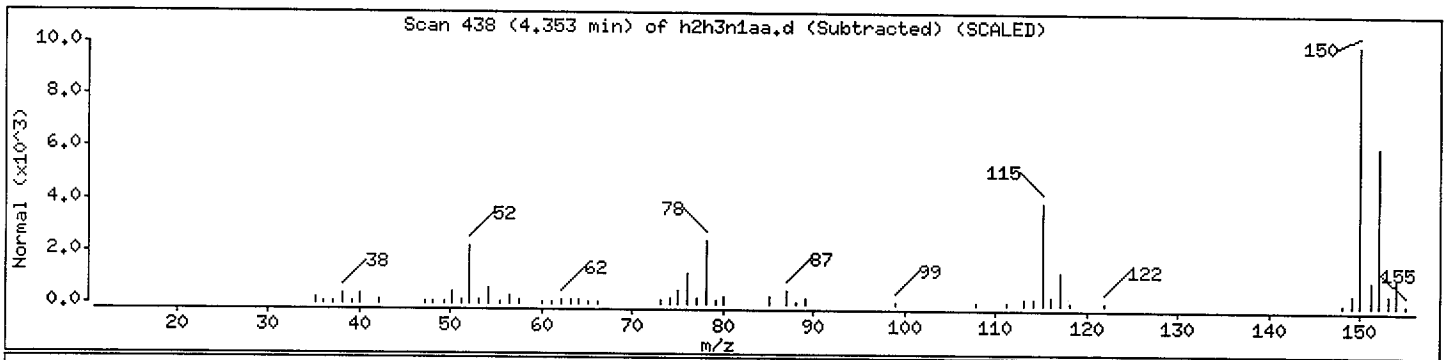
Volume Injected (uL): 1.0

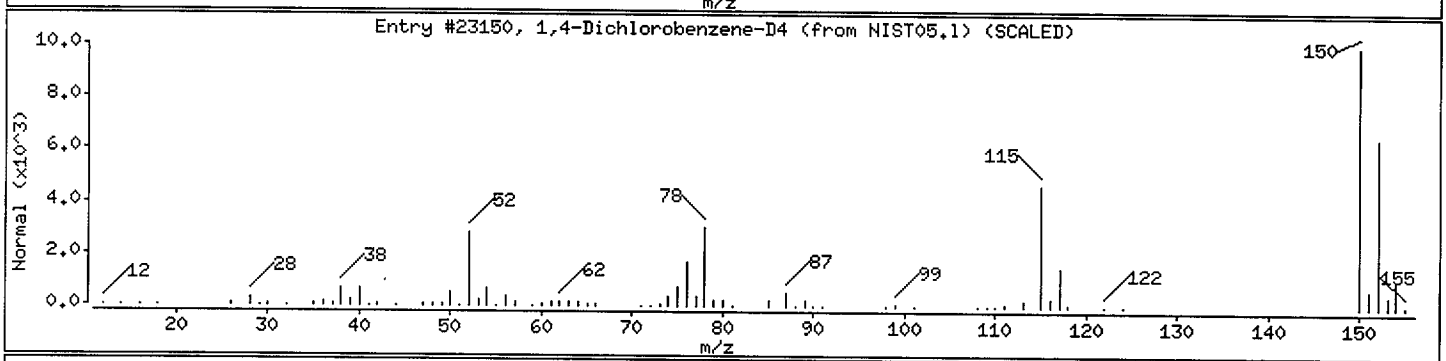
Operator: 60841

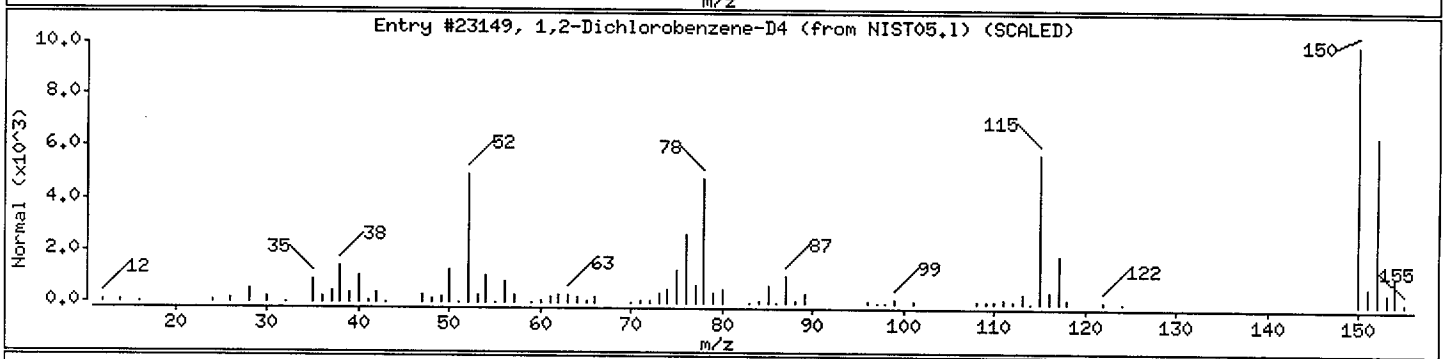
Column phase: ZB-5

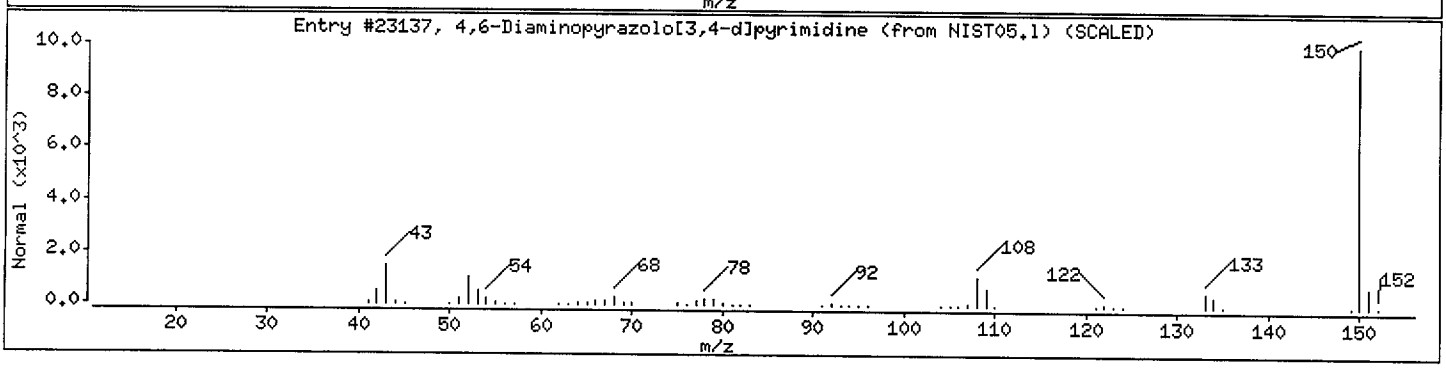
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	96	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
4,6-Diaminopyrazolo[3,4-d]pyrimidine	5413-80-9	NIST05.1	23137	37	C5H6N6	150









STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Lab Smp Id: H2H3P1AA Client Smp ID: G-3019/3020-R2-MM5
Inj Date : 28-APR-2006 12:13
Operator : 60841 Inst ID: md.i
Smp Info : H2H3P1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05/01/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	68354	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	228240	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	156884	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	265666	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	271514	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	252271	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	144372	30.2028	30.2
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	189017	32.7811	32.8
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	108186	21.0280	21.0
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	273610	26.4548	26.4
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	74423	44.1792	44.2
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	510407	38.6494	38.6
$ 179 13C6-naphthalene	134	5.775	5.775	(1.005)	1638538	111.488	111

Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Report Date: 01-May-2006 10:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug)
175 1,4-Dioxane	88	2.143	1.850	(0.515)	1486	0.92375	~~0.924~~
15 Phenol (ccc)	94	3.865	3.865	(0.929)	3278	0.53804	0.538
32 2,4-Dimethyphenol	107	5.528	5.340	(0.962)	10904	2.17368	~~2.17~~
34 Benzoic acid	122	5.463	5.504	(0.951)	24810	9.57016	9.57
37 Naphthalene	128	5.775	5.775	(1.005)	15812	1.18315	~~1.18~~
38 4-Chloroaniline	127	5.775	5.898	(1.005)	3753	0.65146	~~0.651~~
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	4091	1.38393	~~1.38~~
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	57383	5.80210	5.80
84 Benzidine	184	11.204	11.016	(1.129)	6177	0.56730	~~0.567~~
91 acetophenone	105	4.623	4.623	(1.112)	22986	4.00279	4.00
184 Benzaldehyde	105	3.742	3.742	(0.900)	15858	5.07973	5.08
185 Benzonitrile	103	3.912	3.935	(0.941)	1853	0.26516	~~0.265~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3p1aa.d
Lab Smp Id: H2H3P1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3019/3020-R2-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	68354	11.12
2 Naphthalene-d8	201763	100882	403526	228240	13.12
3 Acenaphthene-d10	143273	71636	286546	156884	9.50
4 Phenanthrene-d10	247023	123512	494046	265666	7.55
5 Chrysene-d12	265356	132678	530712	271514	2.32
6 Perylene-d12	233795	116898	467590	252271	7.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	-0.01
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.11
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

RECOVERY REPORT

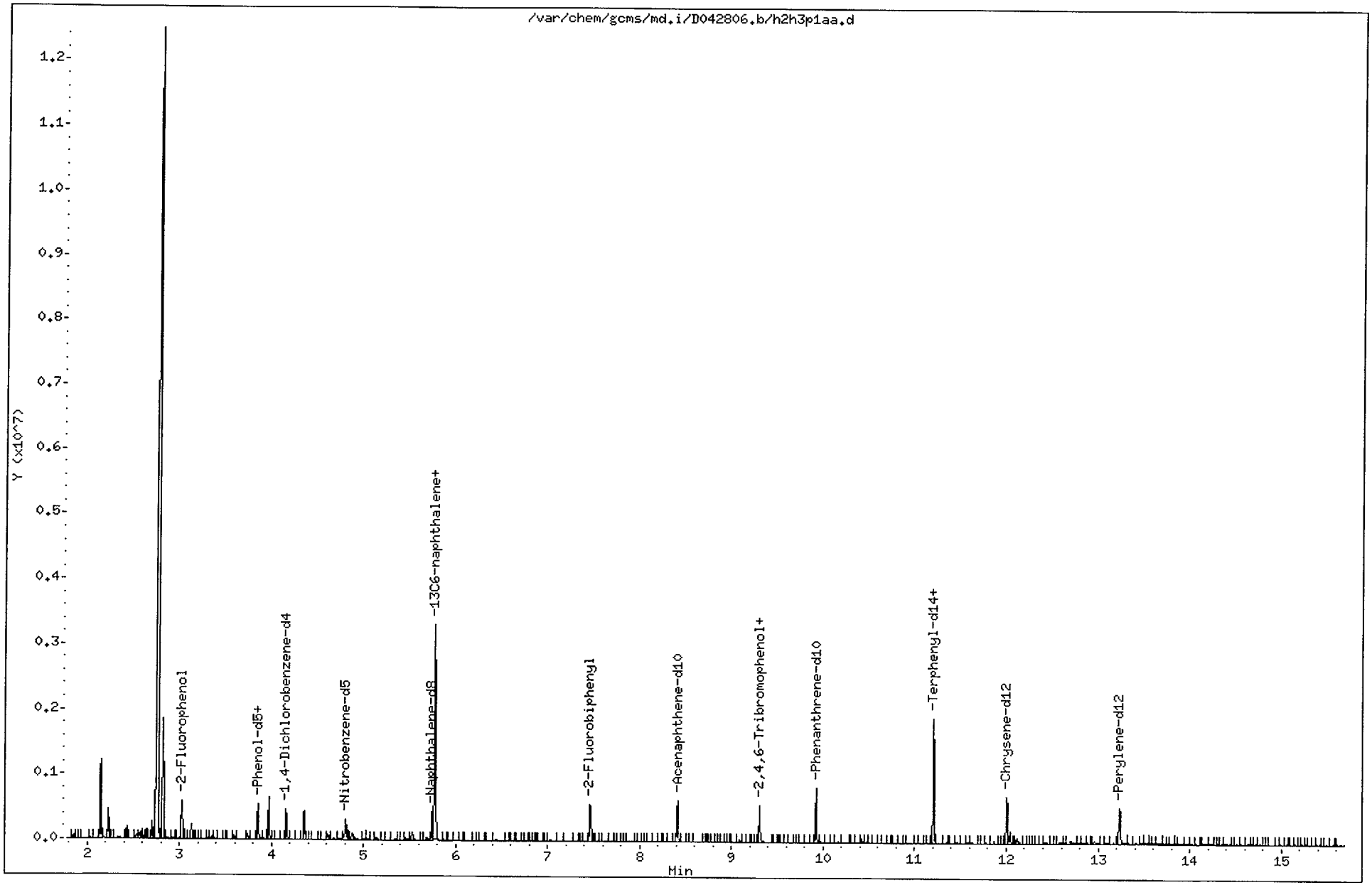
Client Name: STL Knoxville - ACS
Client SDG: H6D030245
Sample Matrix: GAS
Fraction: SV
Lab Smp Id: H2H3P1AA
Client Smp ID: G-3019/3020-R2-MM5
Level: LOW
Operator: 60841
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allspike.spk
Quant Type: ISTD
Sublist File: westatesc13.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	30.2	40.27	19-100
$ 8 Phenol-d5	75.0	32.8	43.71	15-124
$ 9 Nitrobenzene-d5	50.0	21.0	42.06	42-104
$ 10 2-Fluorobiphenyl	50.0	26.4	52.91	51-103
$ 11 2,4,6-Tribromophen	75.0	44.2	58.91	33-130
$ 12 Terphenyl-d14	50.0	38.6	77.30	58-122
$ 179 13C6-naphthalene	100	111	111.49	50-150

Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Date : 28-APR-2006 12:13
Client ID: G-3019/3020-R2-MM5
Sample Info: H2H3P1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

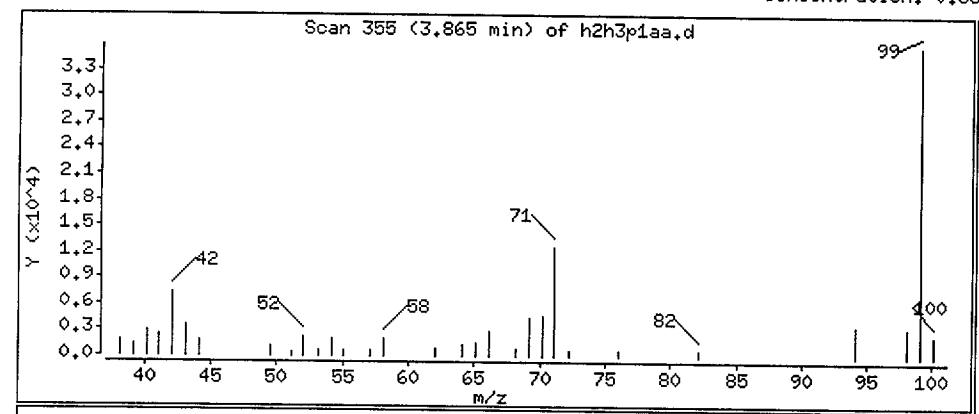
Operator: 60841

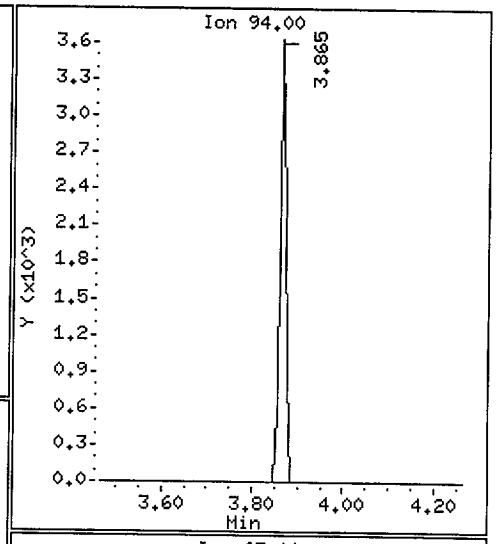
Column phase: ZB-5

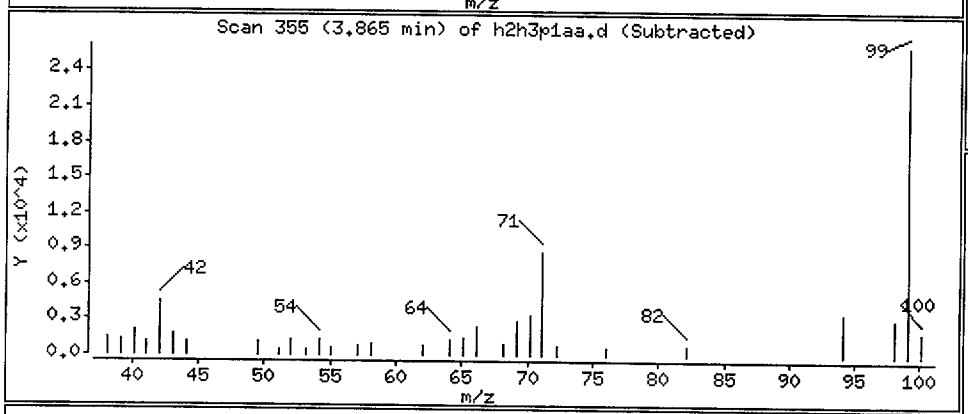
Column diameter: 0.25

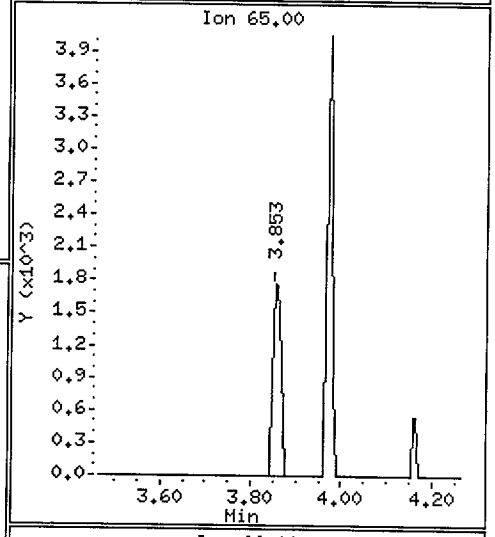
15 Phenol (ccc)

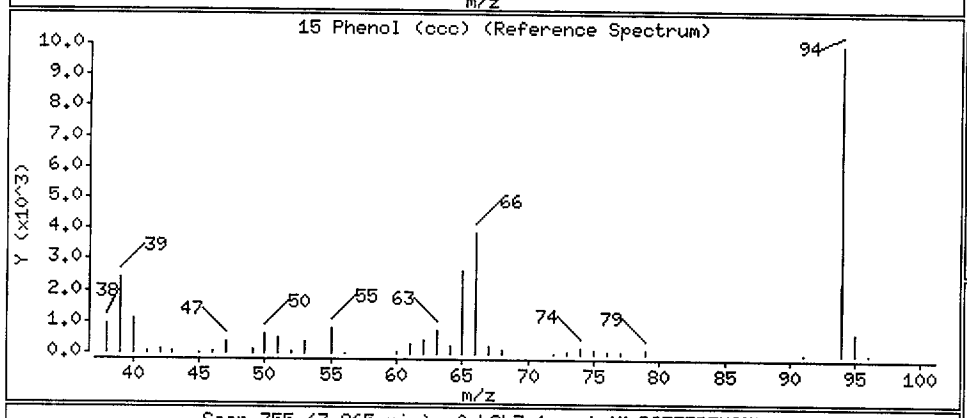
Concentration: 0.538 ug

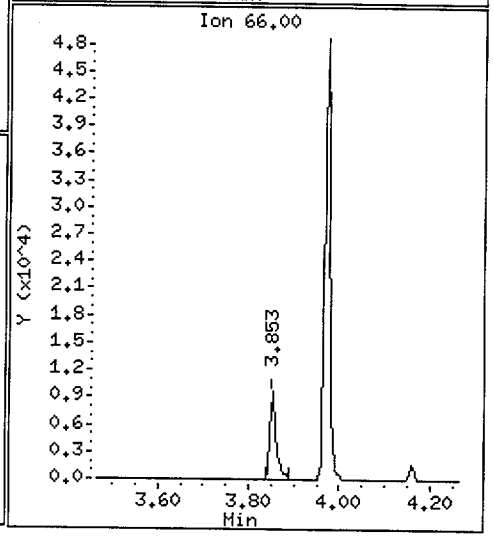


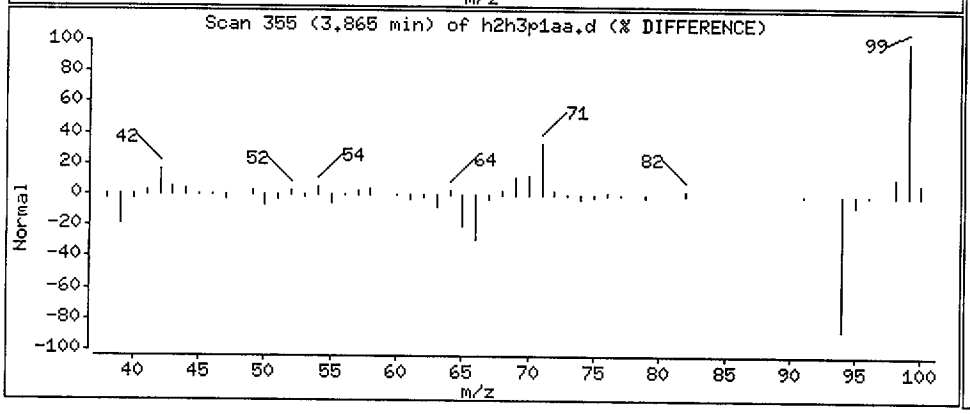












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

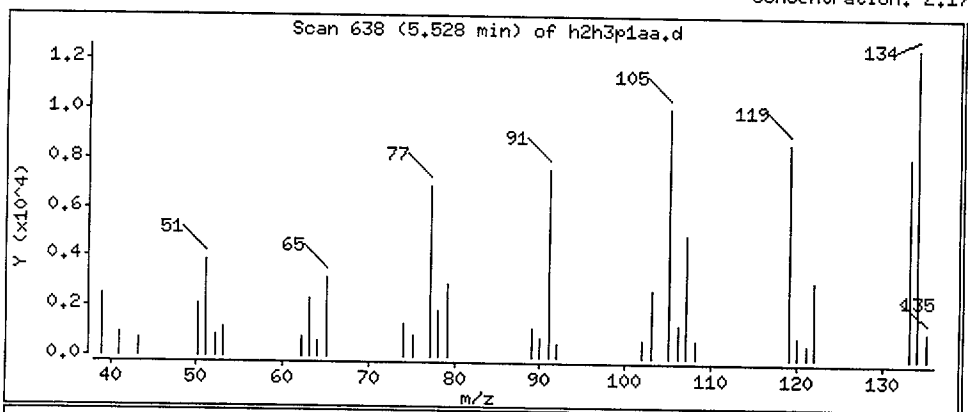
Operator: 60841

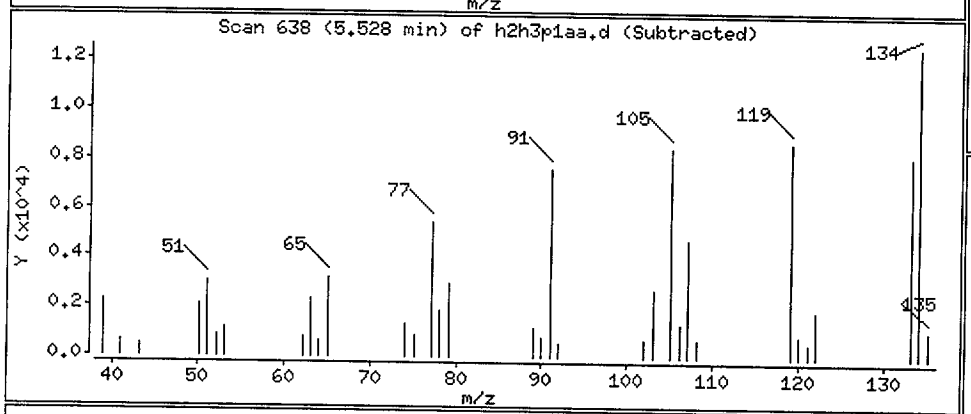
Column phase: ZB-5

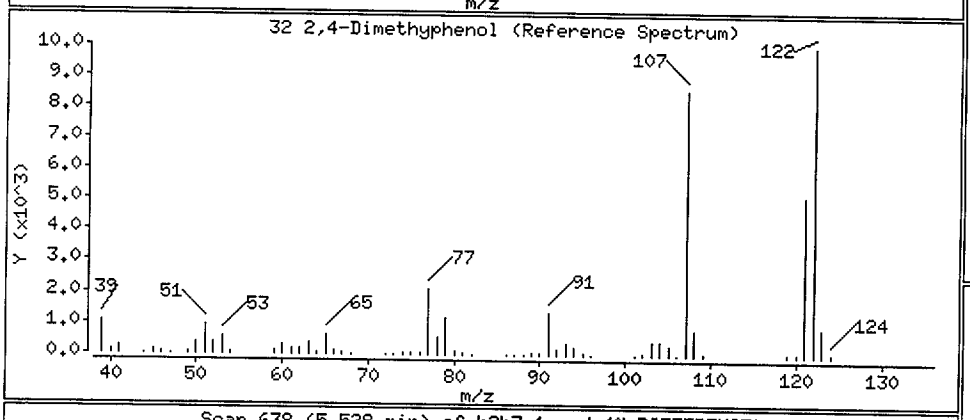
Column diameter: 0.25

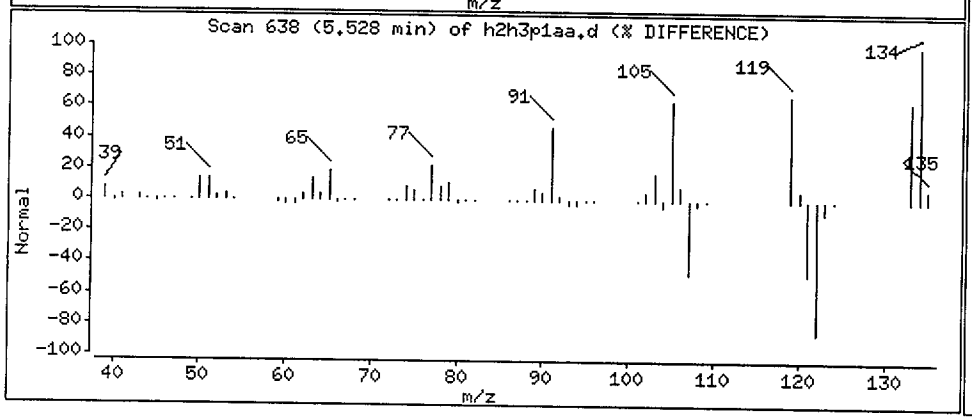
32 2,4-Dimethyphenol

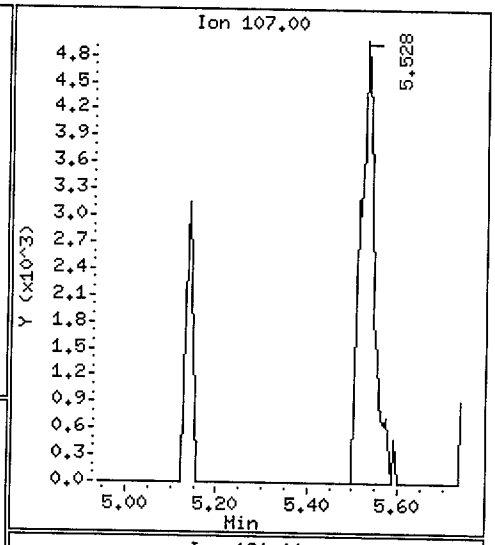
Concentration: 2.17 ug

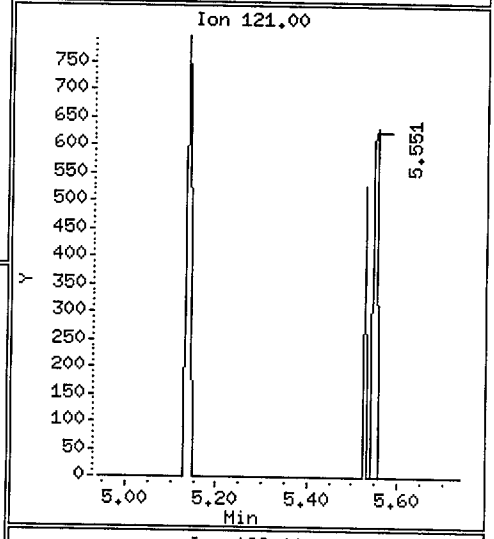


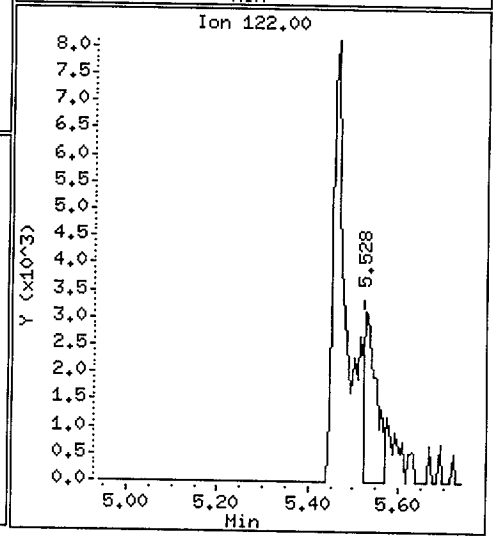












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

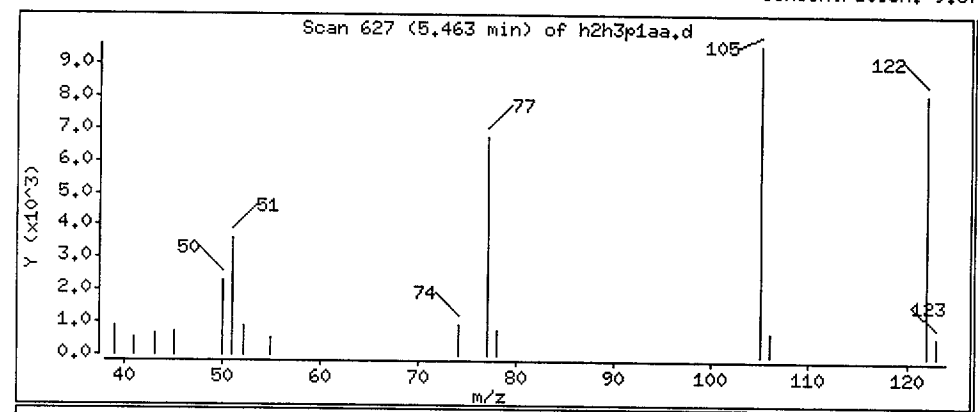
Operator: 60841

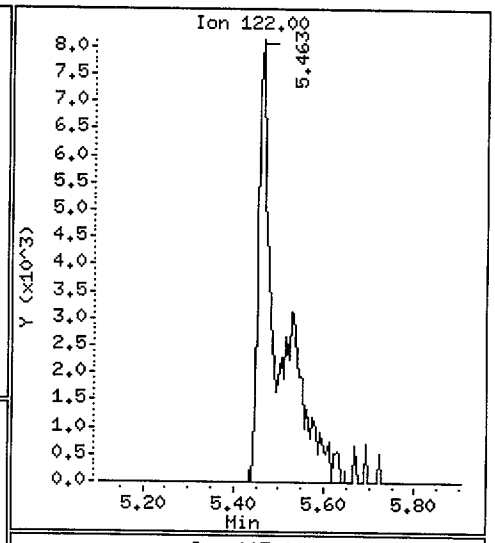
Column phase: ZB-5

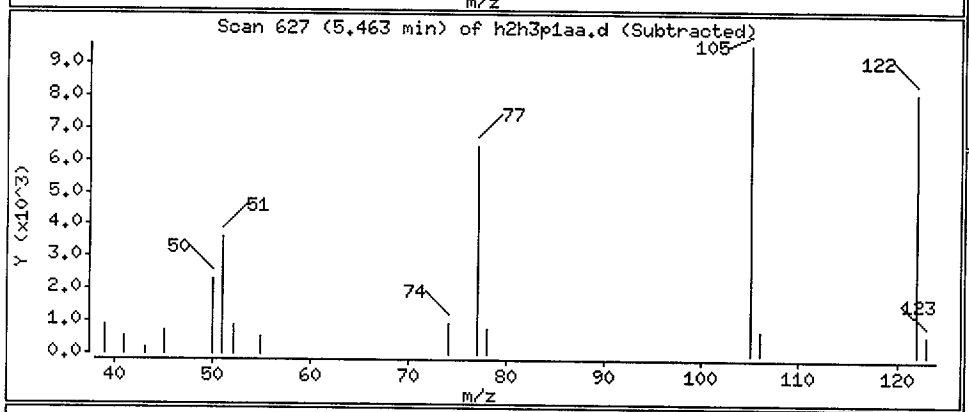
Column diameter: 0.25

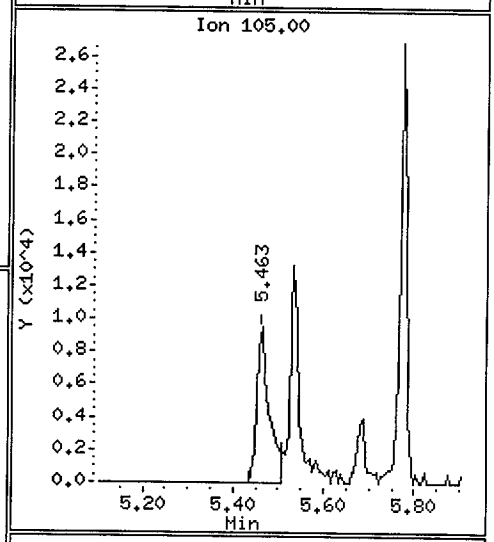
34 Benzoic acid

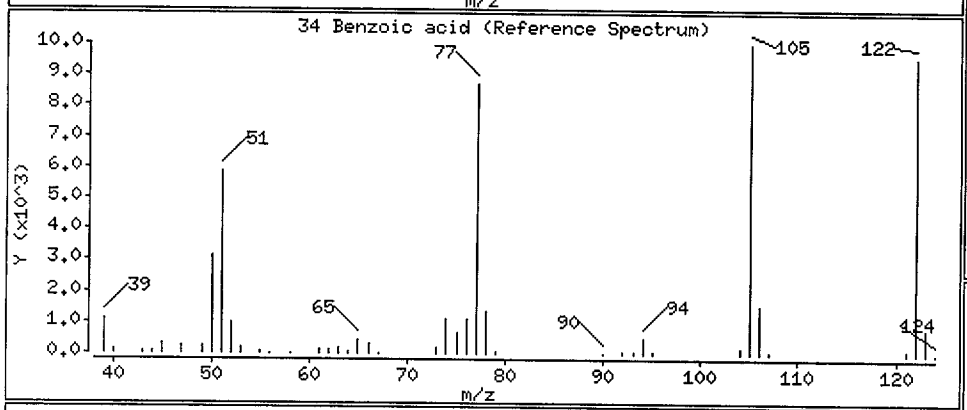
Concentration: 9.57 ug

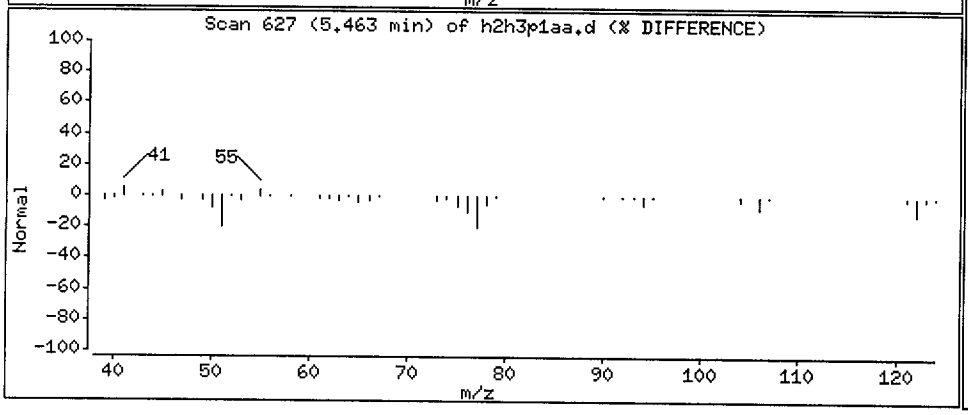


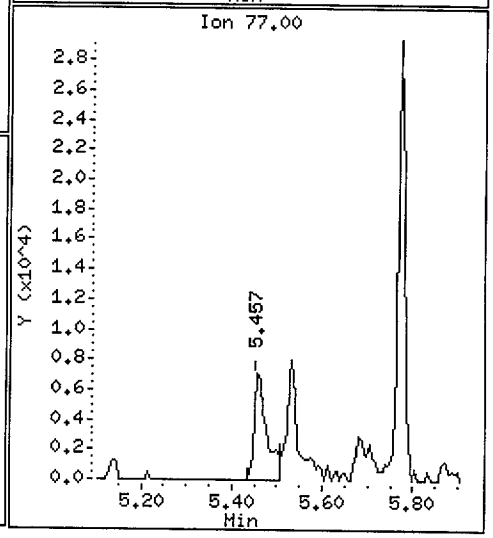












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

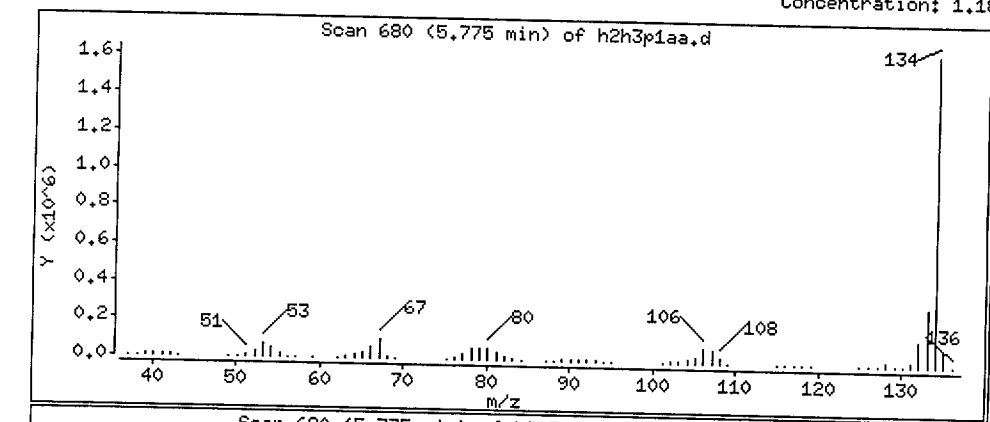
Operator: 60841

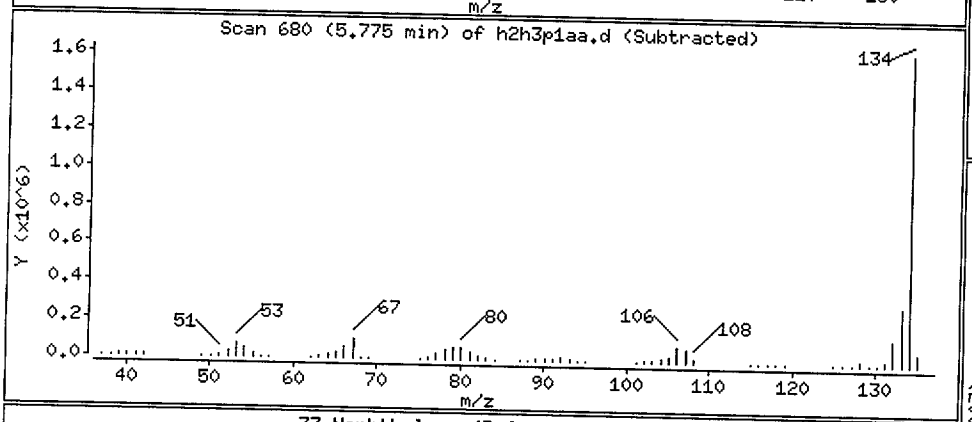
Column phase: ZB-5

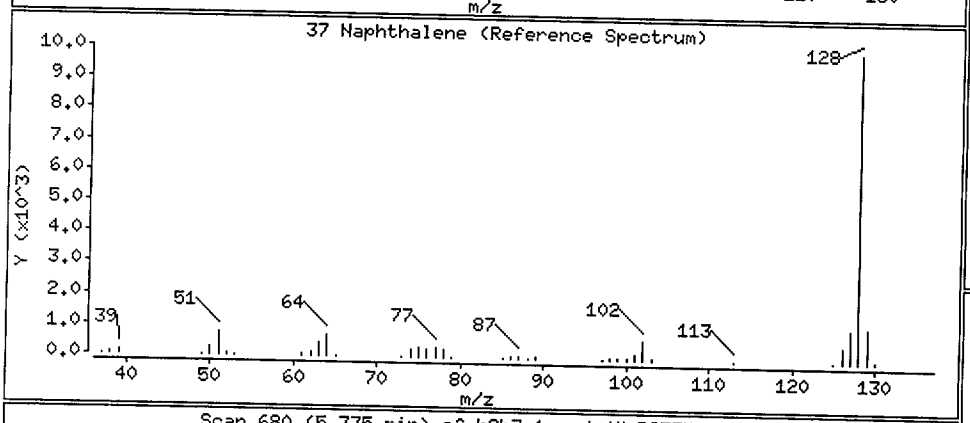
Column diameter: 0.25

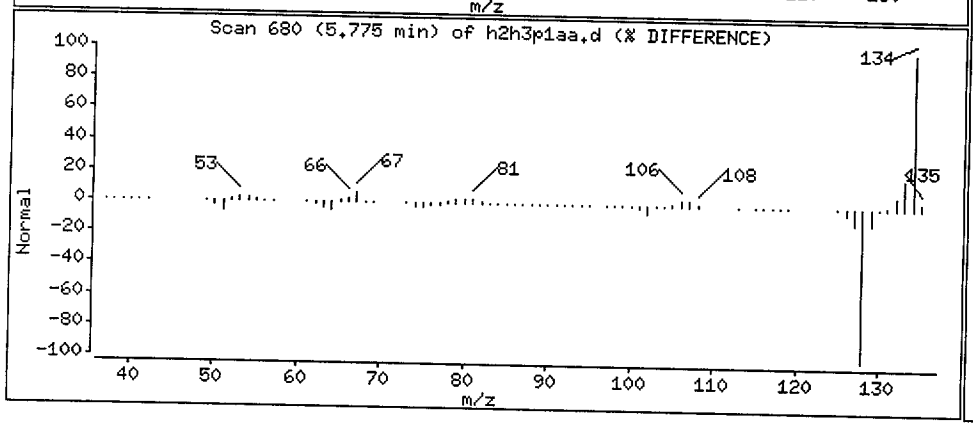
37 Naphthalene

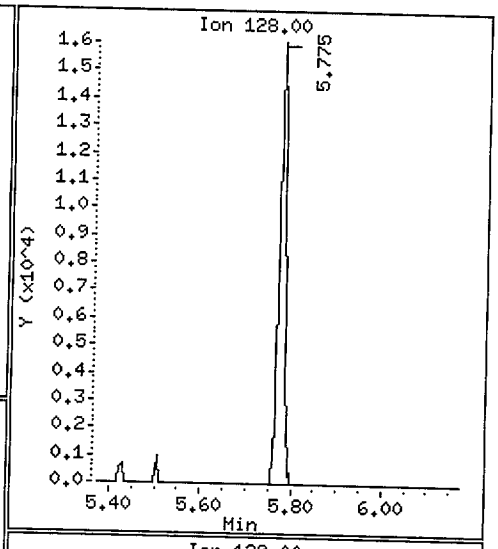
Concentration: 1.18 ug

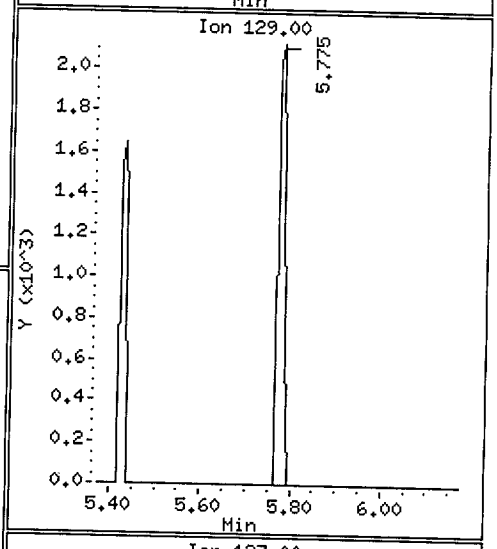


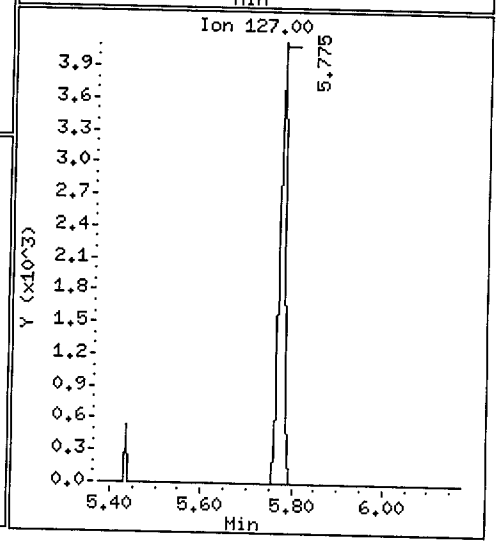












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

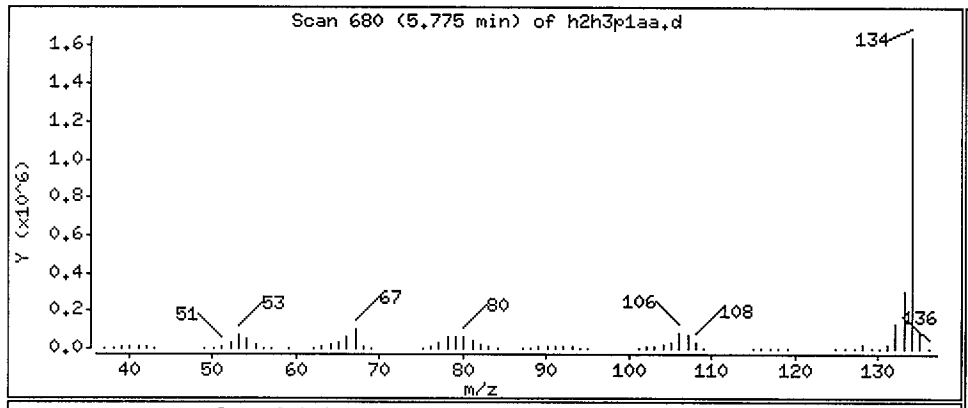
Operator: 60841

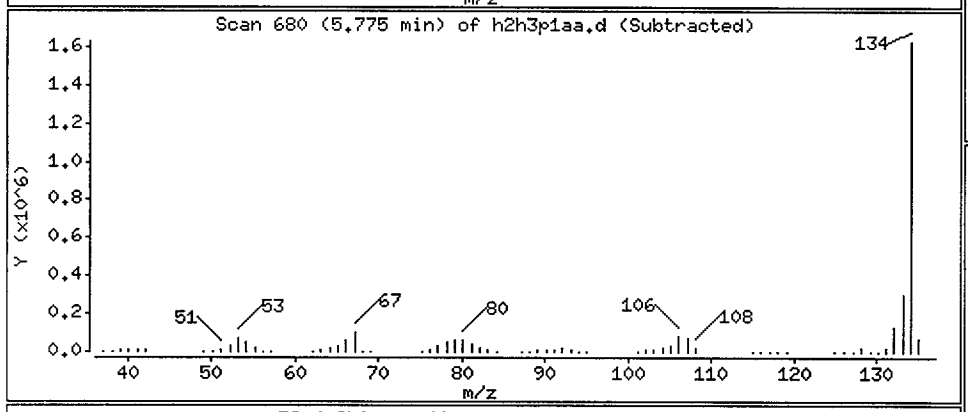
Column phase: ZB-5

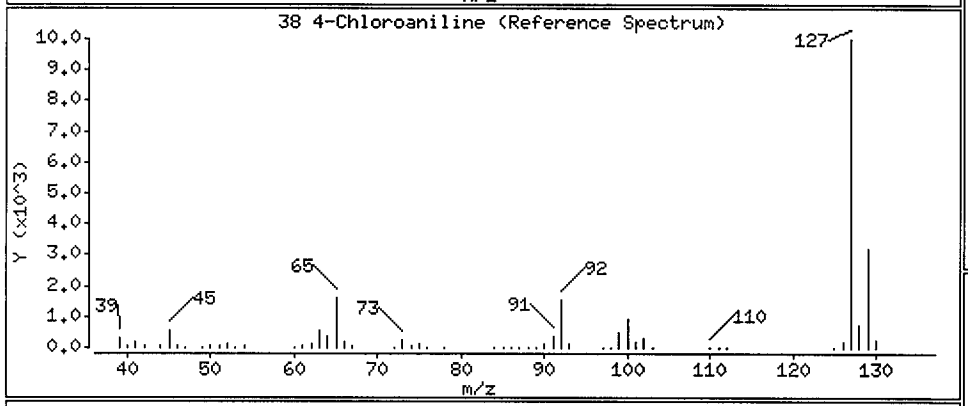
Column diameter: 0.25

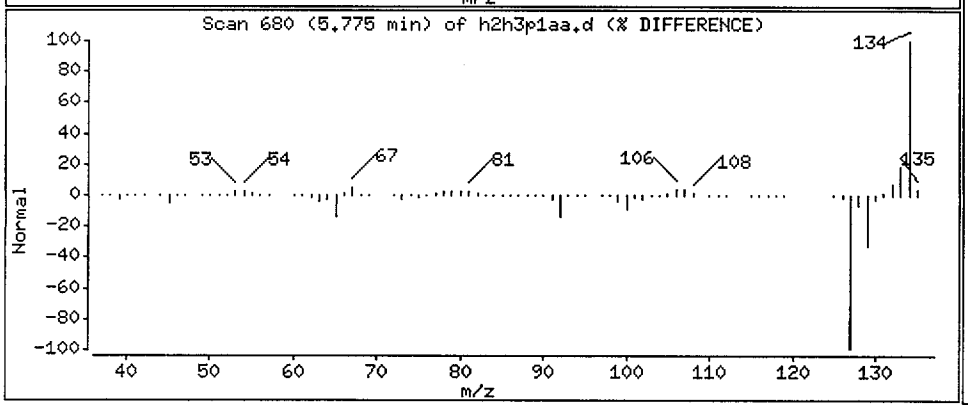
38 4-Chloroaniline

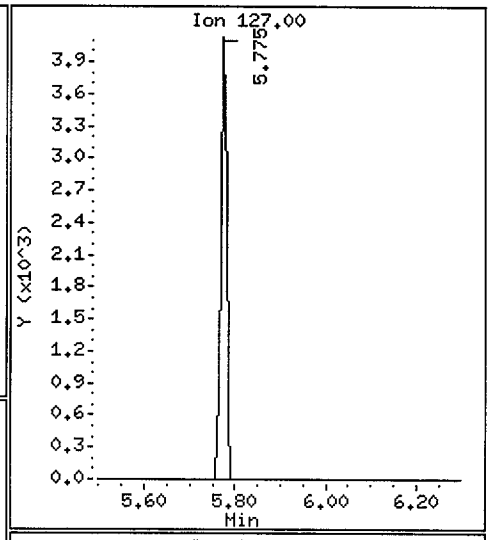
Concentration: 0.651 ug

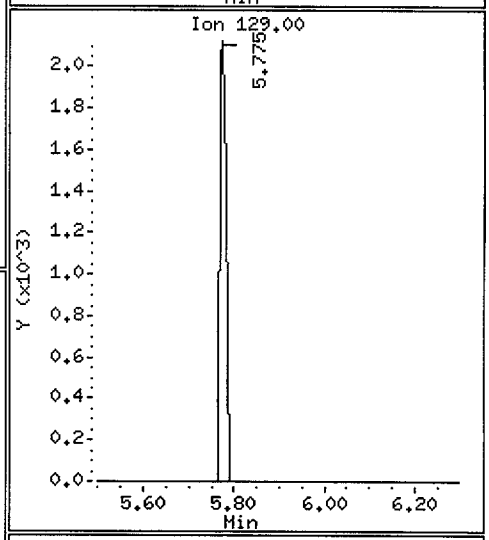


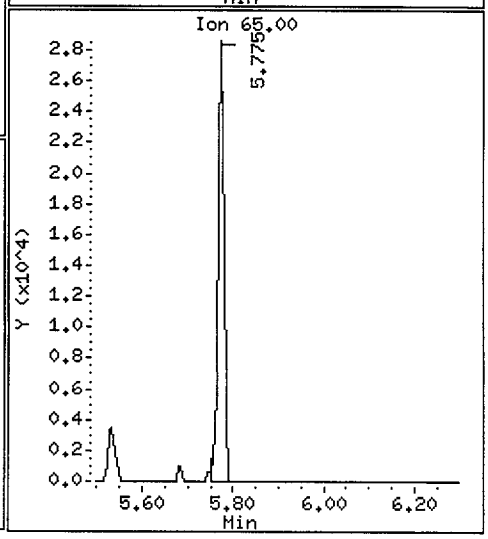












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

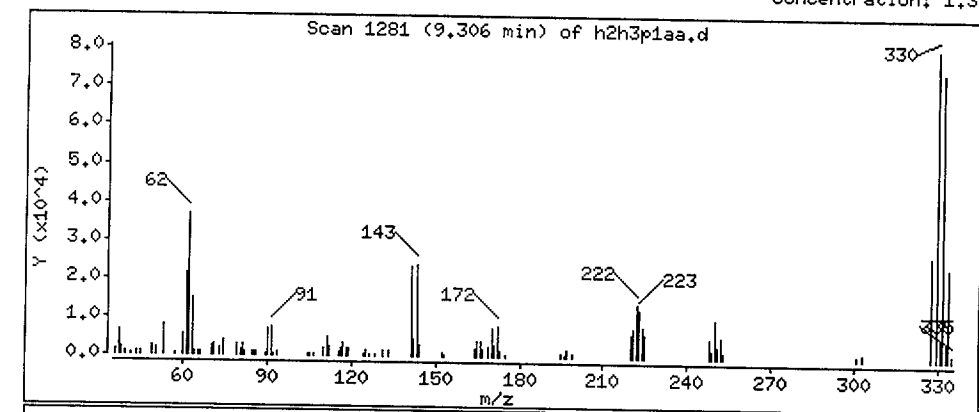
Operator: 60841

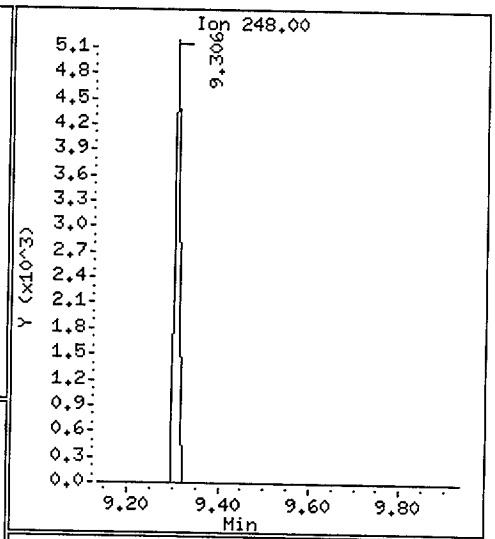
Column phase: ZB-5

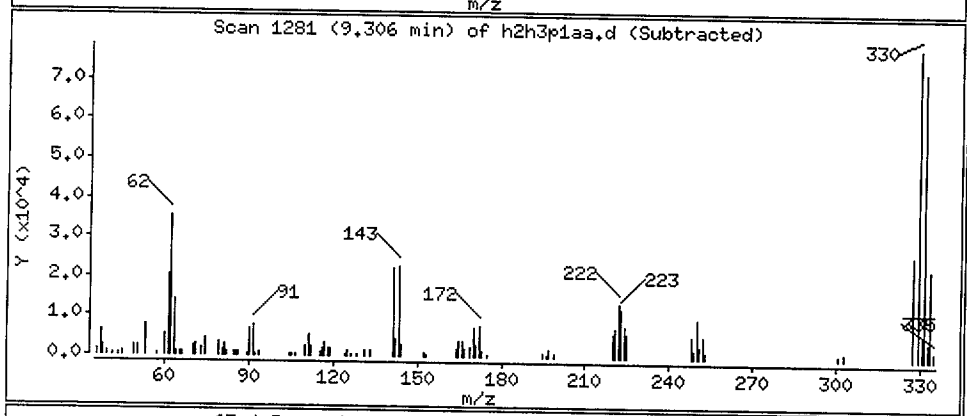
Column diameter: 0.25

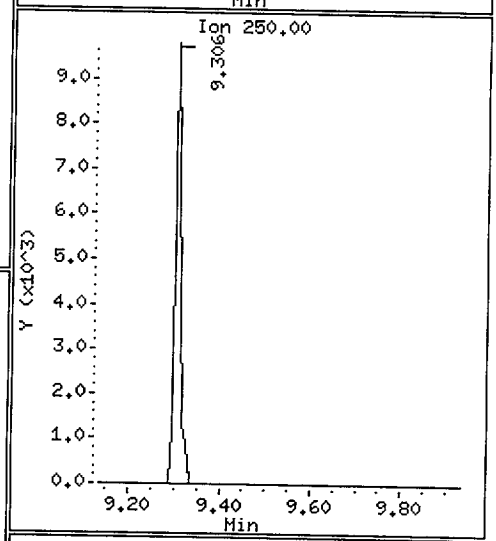
63 4-Bromophenyl phenyl ether

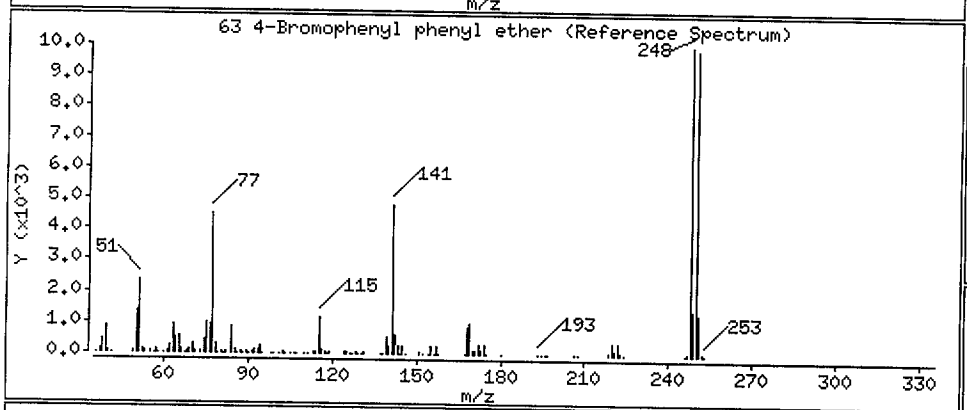
Concentration: 1.38 ug

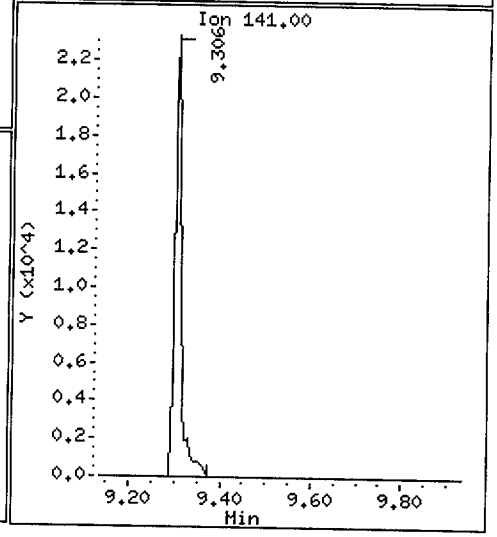


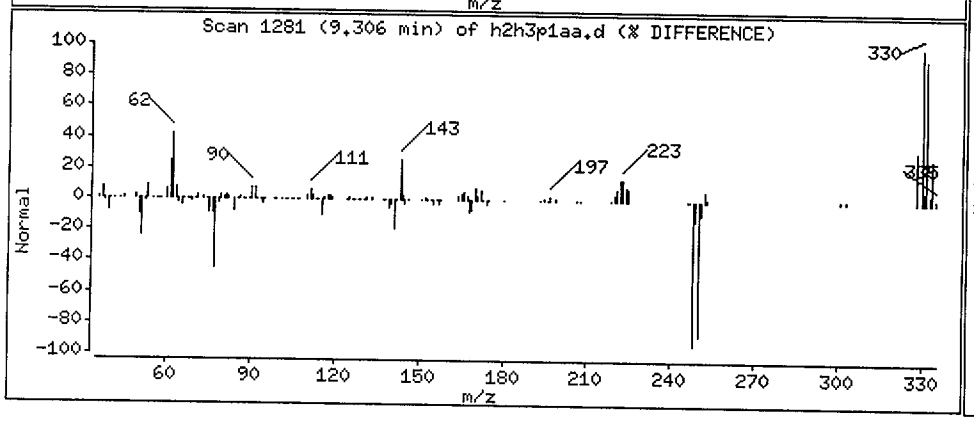












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

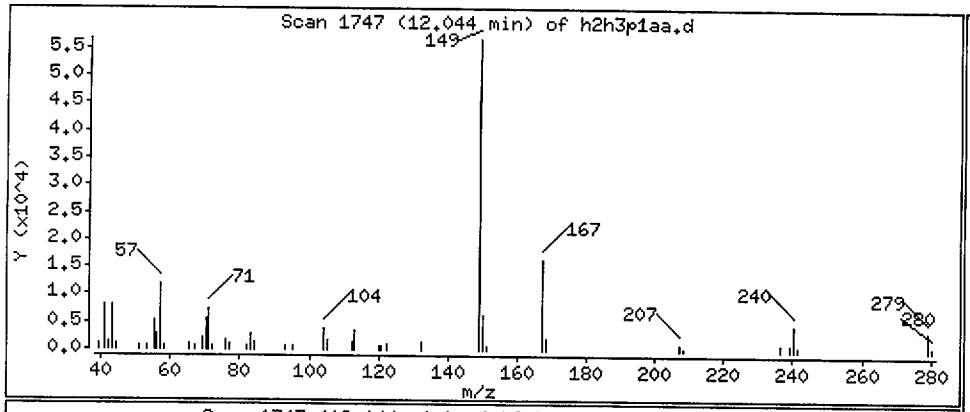
Operator: 60841

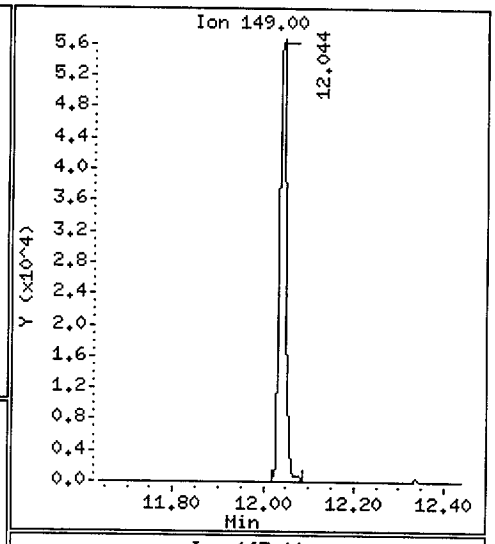
Column phase: ZB-5

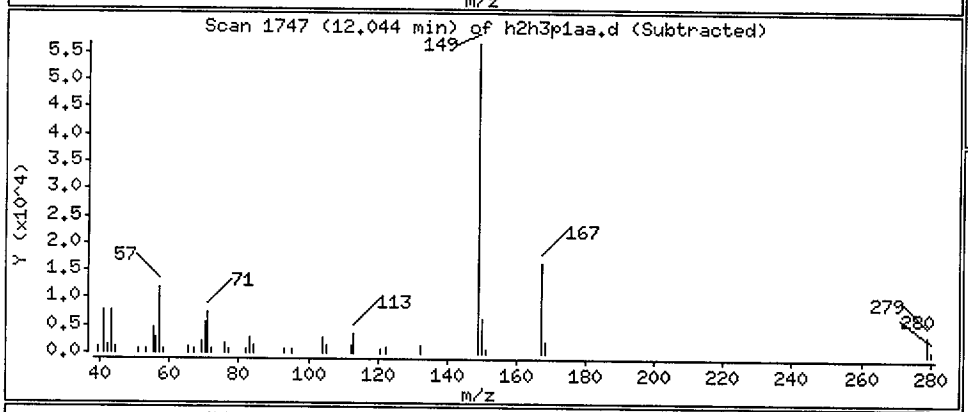
Column diameter: 0.25

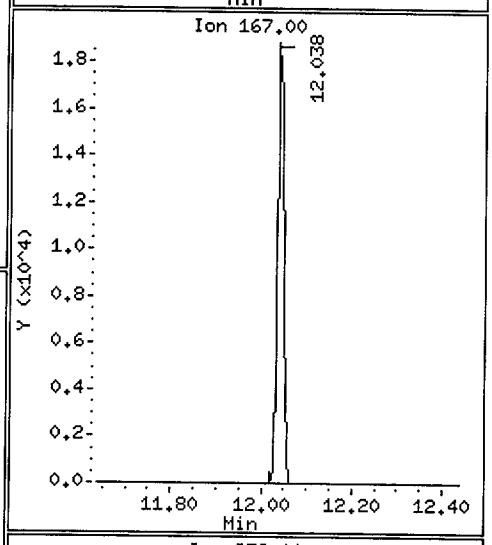
76 Bis(2-ethylhexyl) phthalate

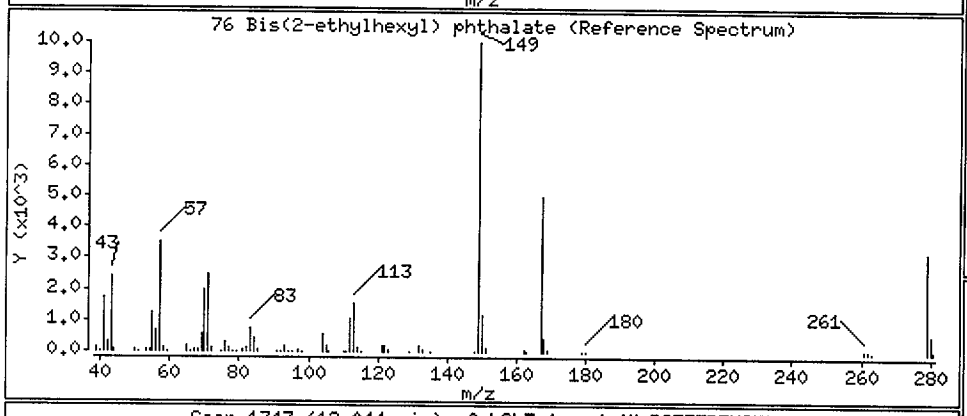
Concentration: 5.80 ug

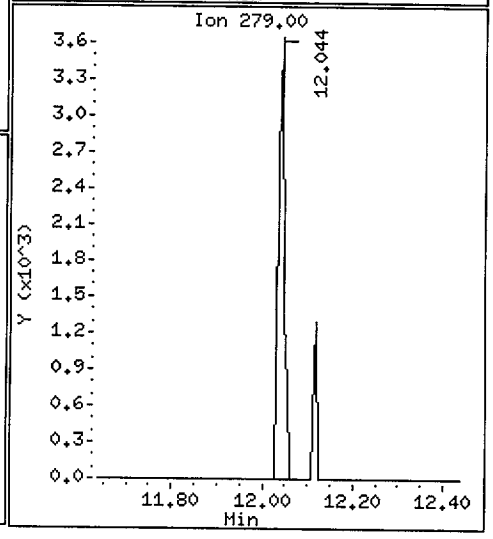


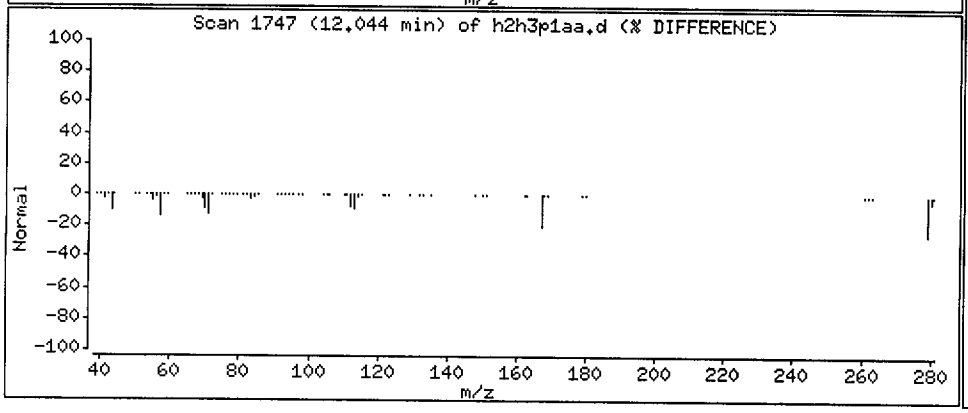












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

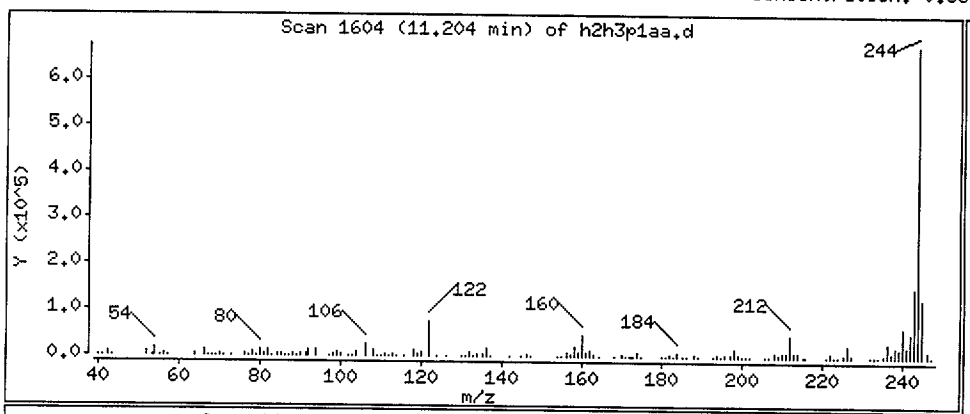
Operator: 60841

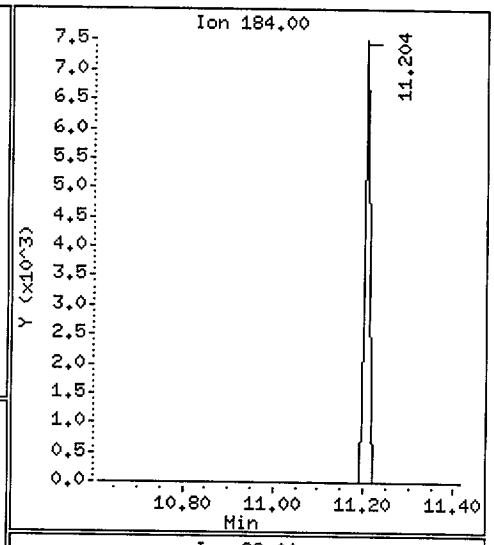
Column phase: ZB-5

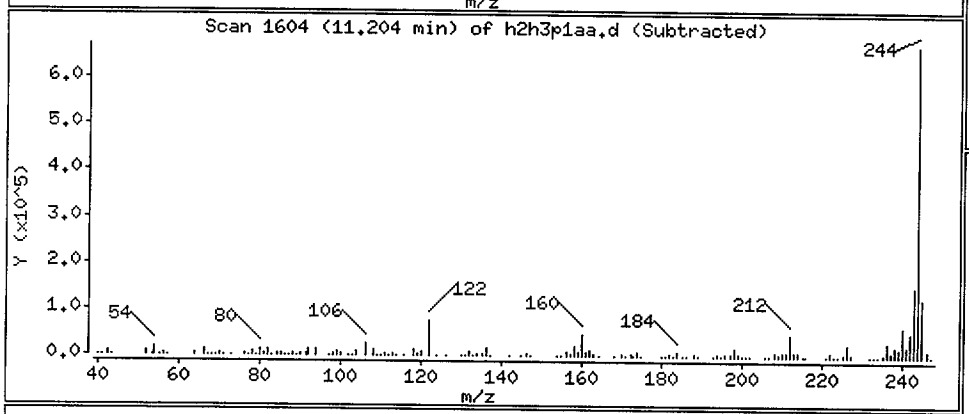
Column diameter: 0.25

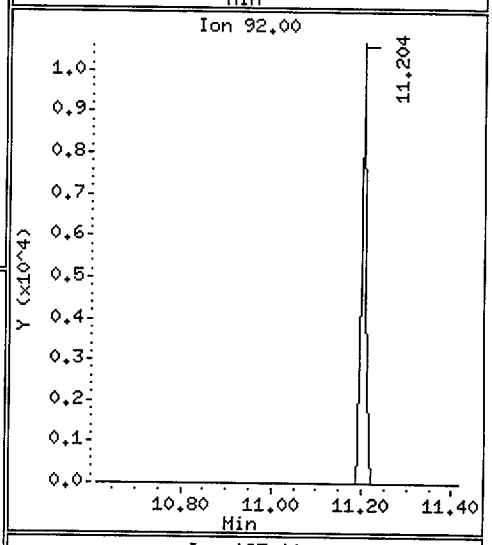
84 Benzidine

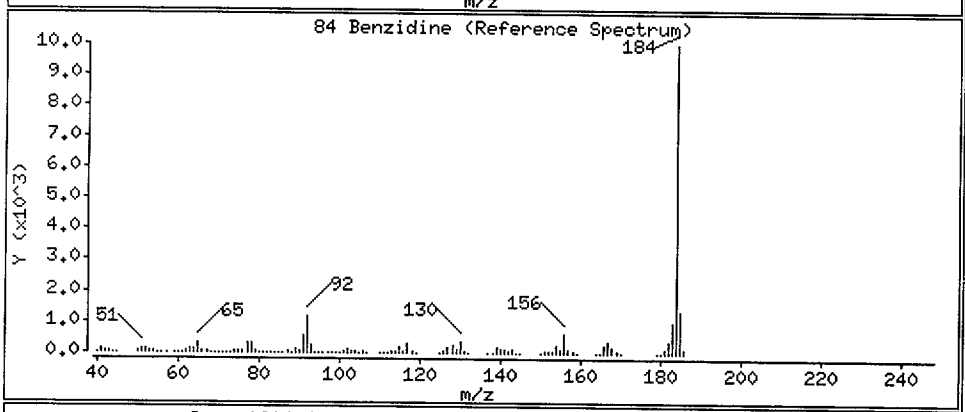
Concentration: 0.567 ug

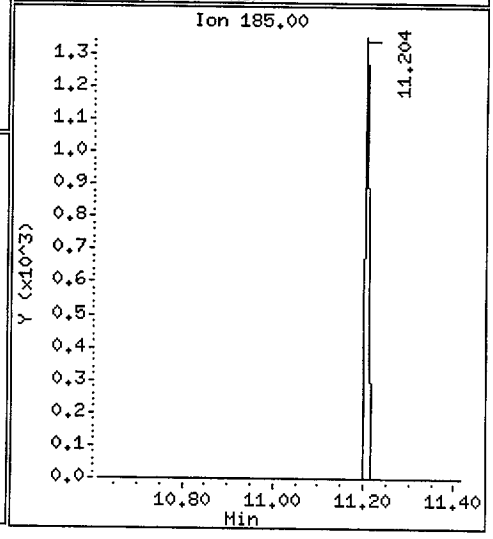


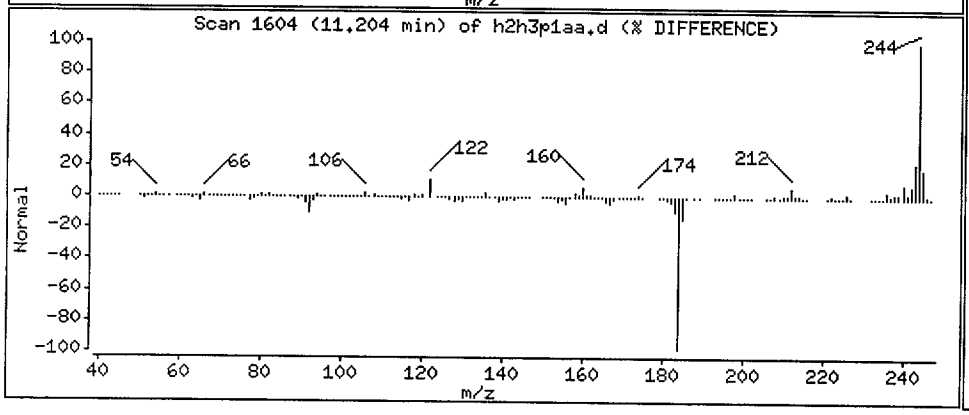












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

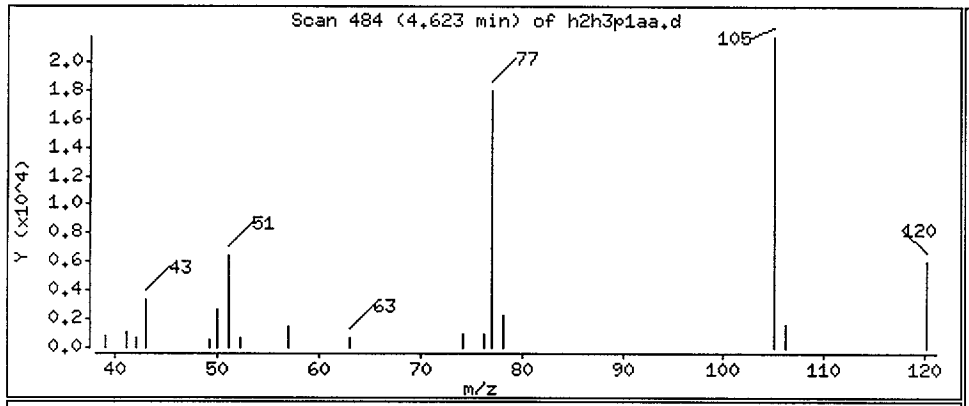
Operator: 60841

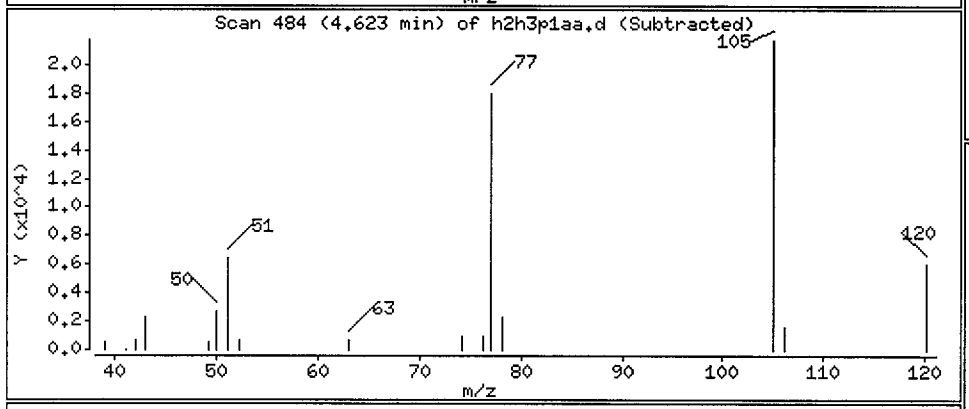
Column phase: ZB-5

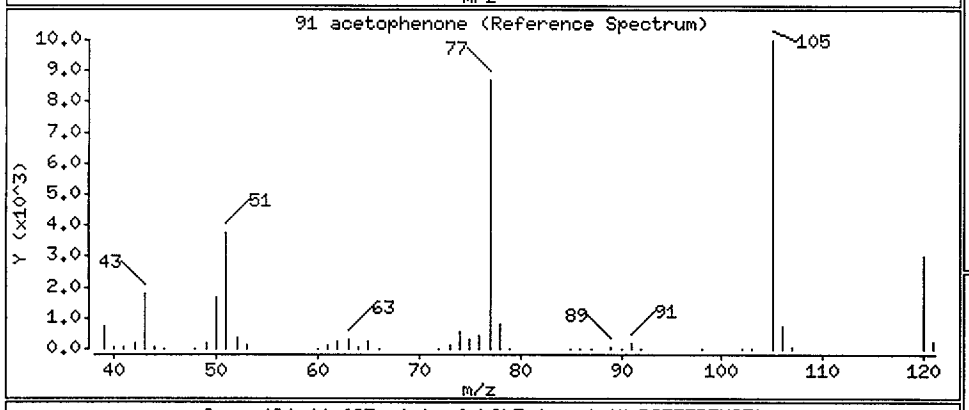
Column diameter: 0.25

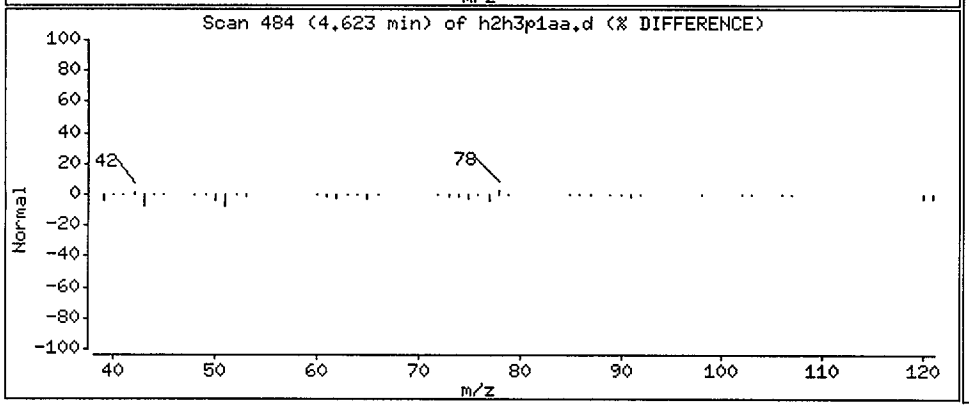
91 acetophenone

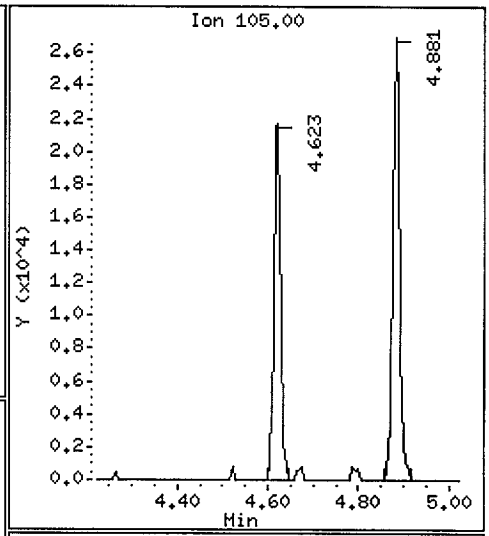
Concentration: 4.00 ug

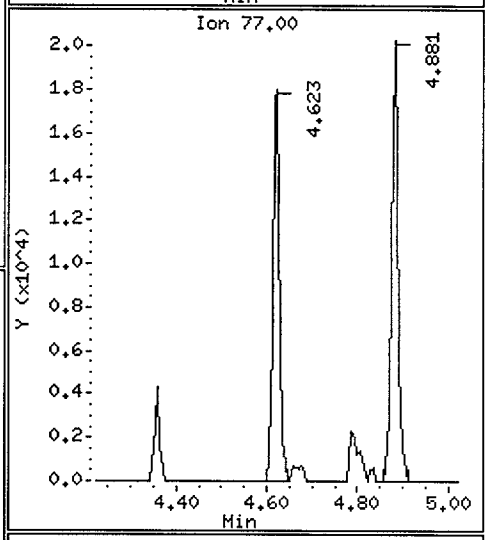


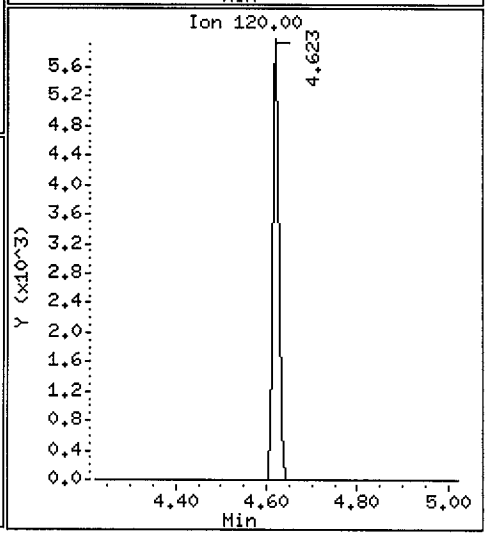












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0

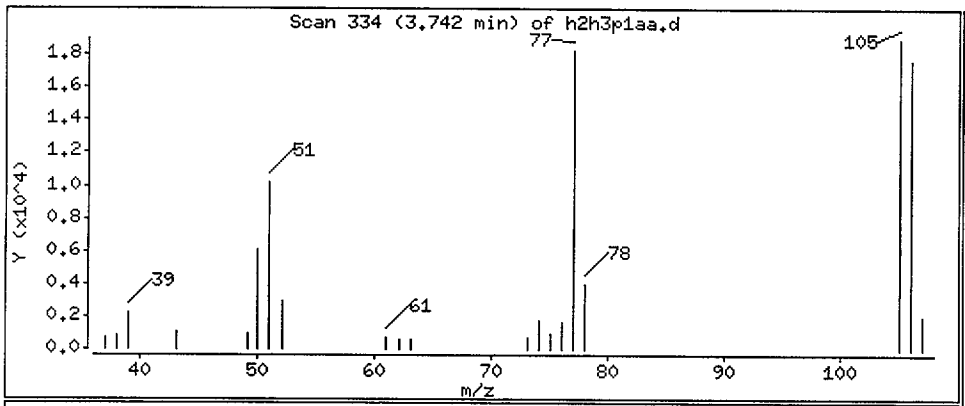
Operator: 60841

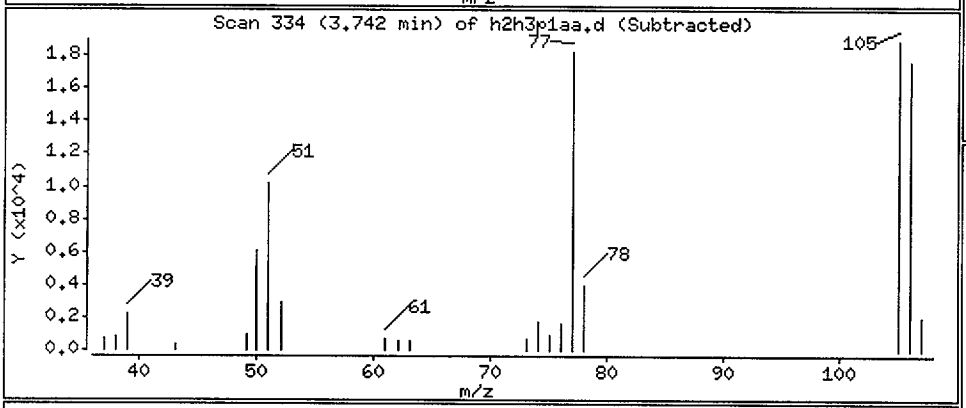
Column phase: ZB-5

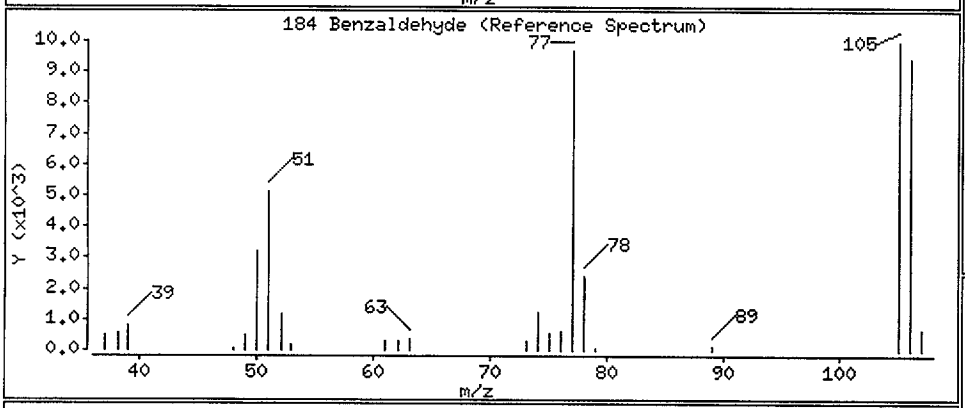
Column diameter: 0.25

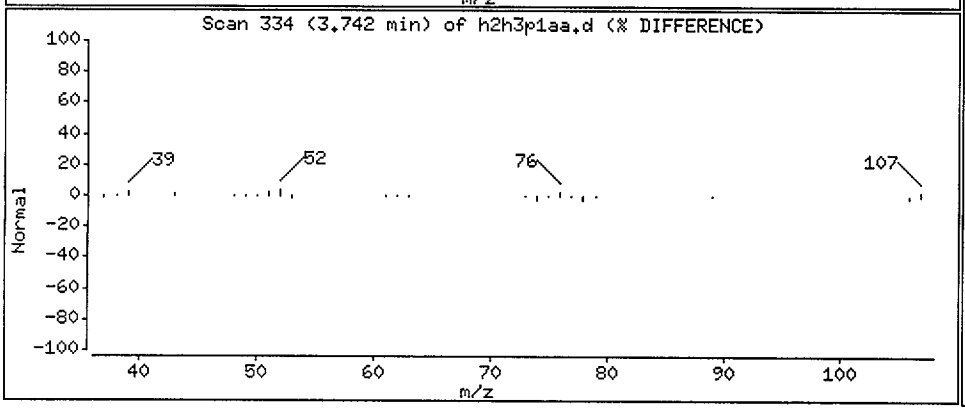
184 Benzaldehyde

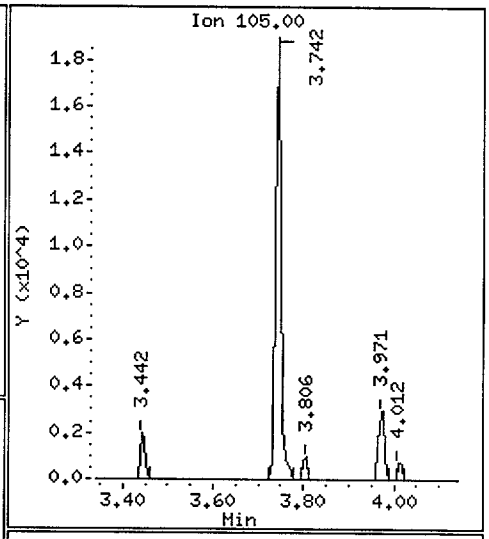
Concentration: 5.08 ug

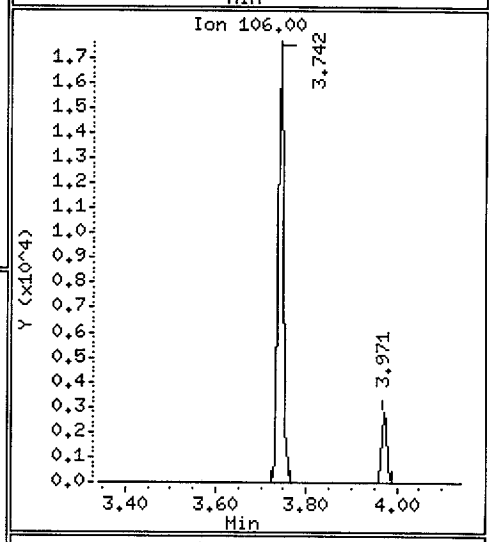


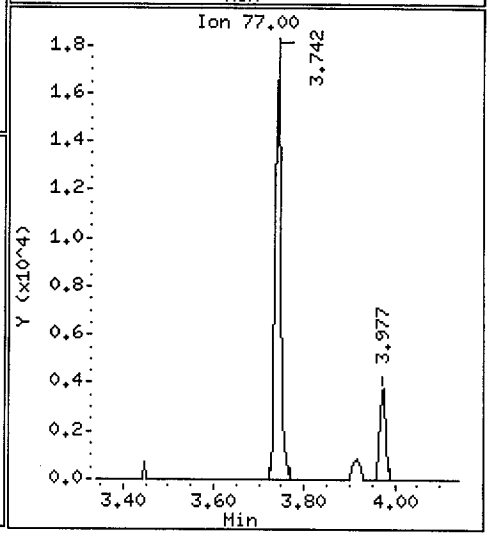












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

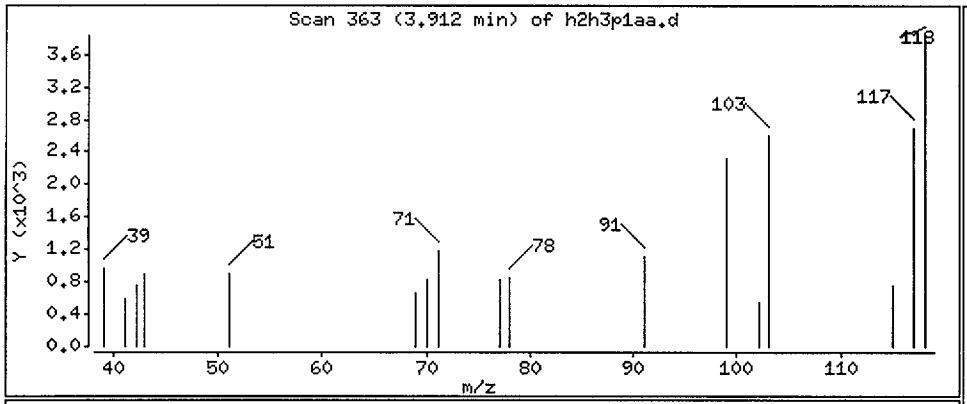
Client ID: G-3019/3020-R2-MM5 | Instrument: md.i

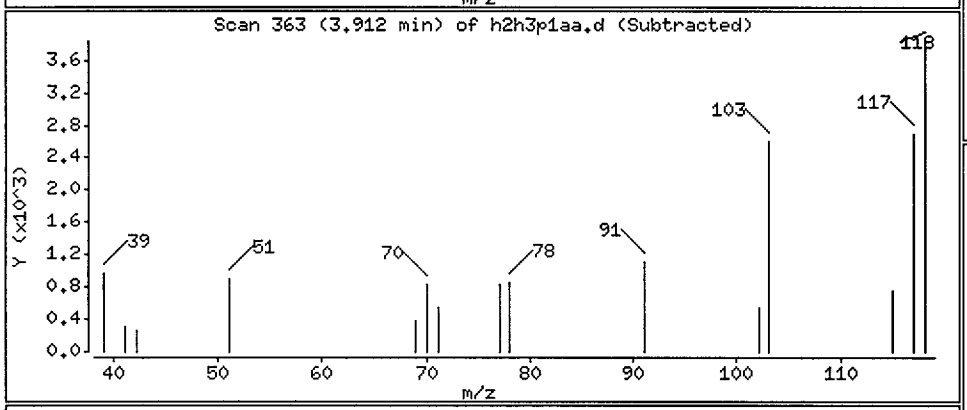
Sample Info: H2H3P1AA,,0,,,,

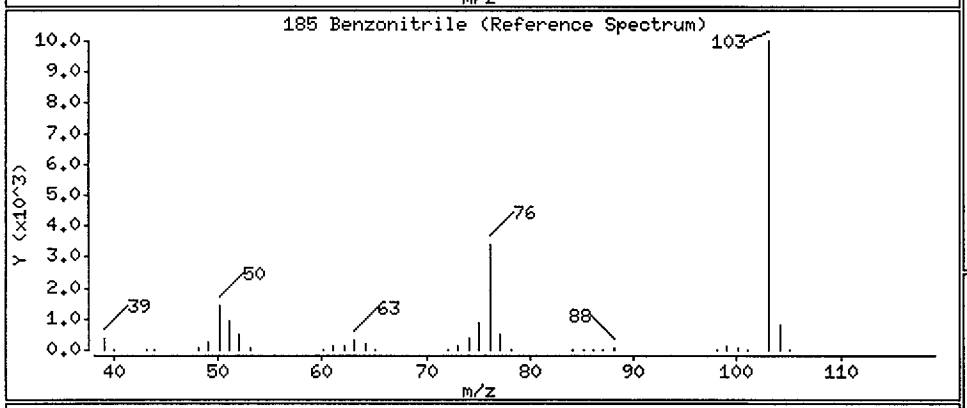
Volume Injected (uL): 1.0 | Operator: 60841

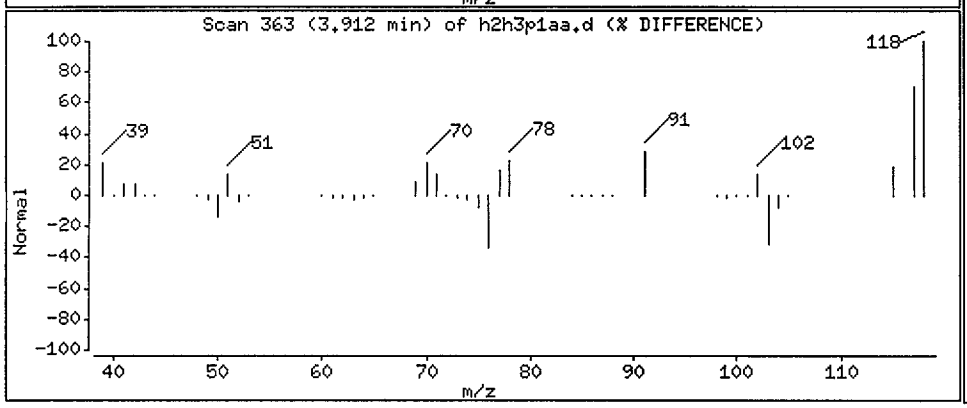
Column phase: ZB-5 | Column diameter: 0.25

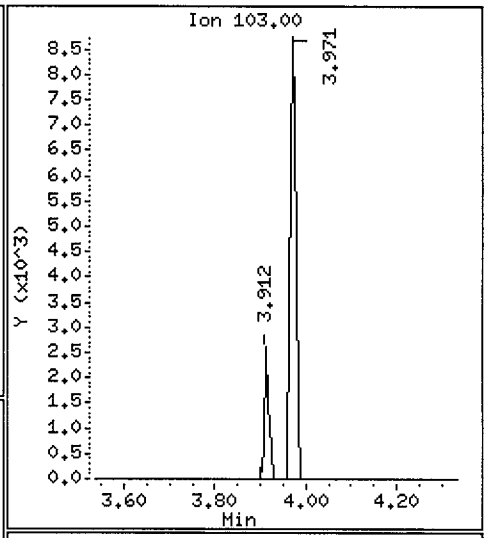
185 Benzonitrile | Concentration: 0.265 ug

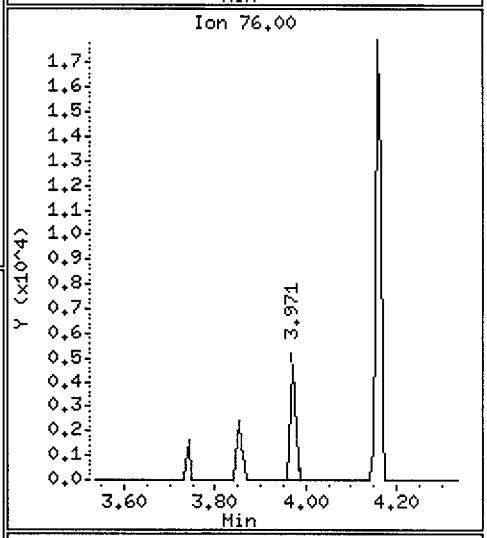


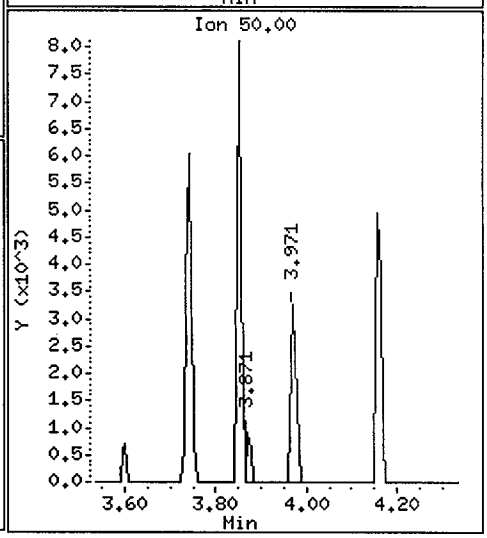












Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Report Date: 01-May-2006 11:26

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Lab Smp Id: H2H3P1AA Client Smp ID: G-3019/3020-R2-MM5
Inj Date : 28-APR-2006 12:13
Operator : 60841 Inst ID: md.i
Smp Info : H2H3P1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:50 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	452551	20.000
* 2 Naphthalene-d8	5.745	438877	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
2-Pentanol, 4-methyl-				CAS #: 108-11-2			
2.149	1218607	53.8550130	53.8	83	NIST05.1	4341	1
Toluene				CAS #: 108-88-3			
2.232	462744	20.4504686	20.4	95	NIST05.1	2400	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d
Report Date: 01-May-2006 11:26

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Methane, dibromochloro-					CAS #: 124-48-1		
2.431	180752	7.98813835	7.99	98	NIST05.1	61862	1
Cyclotrisiloxane, hexamethyl- Si'					CAS #: 541-05-9		
2.578	90868	4.01581258	4.02	78	NIST05.1	73121	1
Octane, 2-methyl-					CAS #: 3221-61-2		
2.649	137187	6.06283049	6.06	87	NIST05.1	12270	1
Heptane, 2,5-dimethyl-					CAS #: 2216-30-0		
2.707	263628	11.6507532	11.6	90	NIST05.1	12305	1
2-Pentanone, 4-hydroxy-4-methyl-					CAS #: 123-42-2		
2.772	12488369	551.909906	552	50	NIST05.1	7951	1
Benzene, chloro-					CAS #: 108-90-7		
2.825	1848638	81.6985489	81.7	97	NIST05.1	6171	1
Methane, tribromo-					CAS #: 75-25-2		
3.136	225926	9.98455423	9.98	98	NIST05.1	92331	1
3-Chloro-6-fluoro-pyrazine S					CAS #: 1000146-10-7		
3.971	642604	28.3991859	28.4	35	NIST05.1	13697	1
1,4-Dichlorobenzene-D4 S					CAS #: 3855-82-1		
4.359	449496	19.8649876	19.9	95	NIST05.1	23150	1
Benzoic acid, methyl ester					CAS #: 93-58-3		
4.881	100177	4.42721373	4.43	95	NIST05.1	15769	1
Benzaldehyde, 3-ethyl-					CAS #: 34246-54-3		
5.534	128519	5.85672068	5.86	89	NIST05.1	14798	2

Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

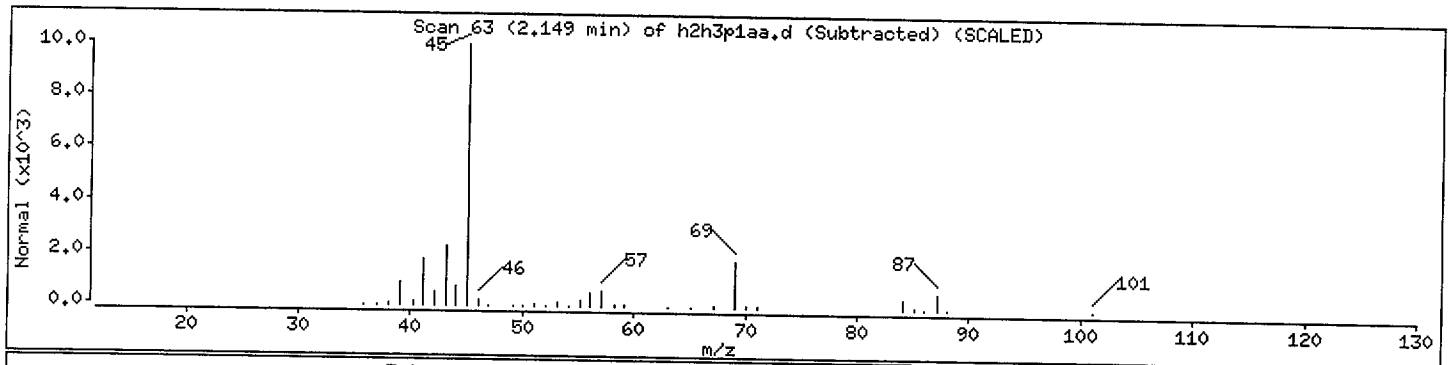
Volume Injected (uL): 1.0

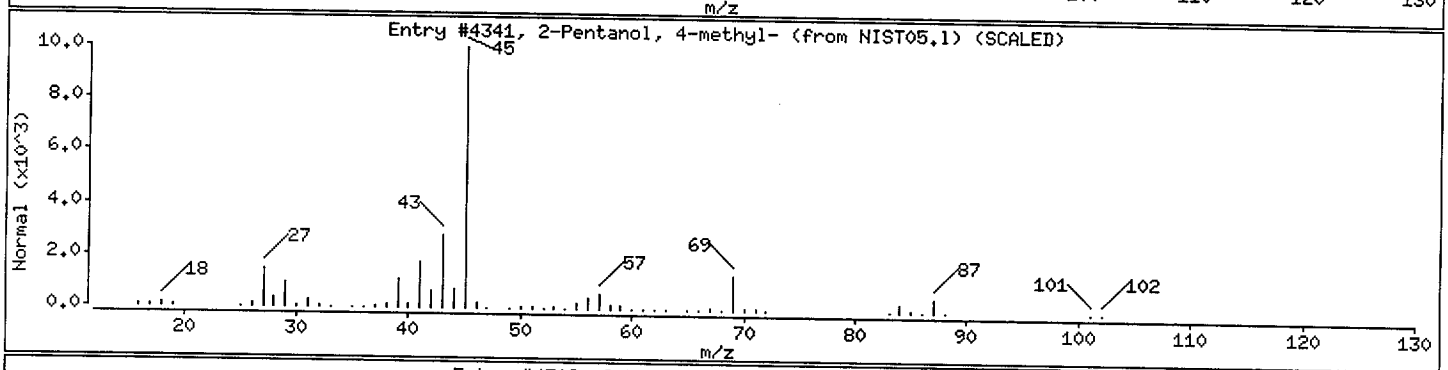
Operator: 60841

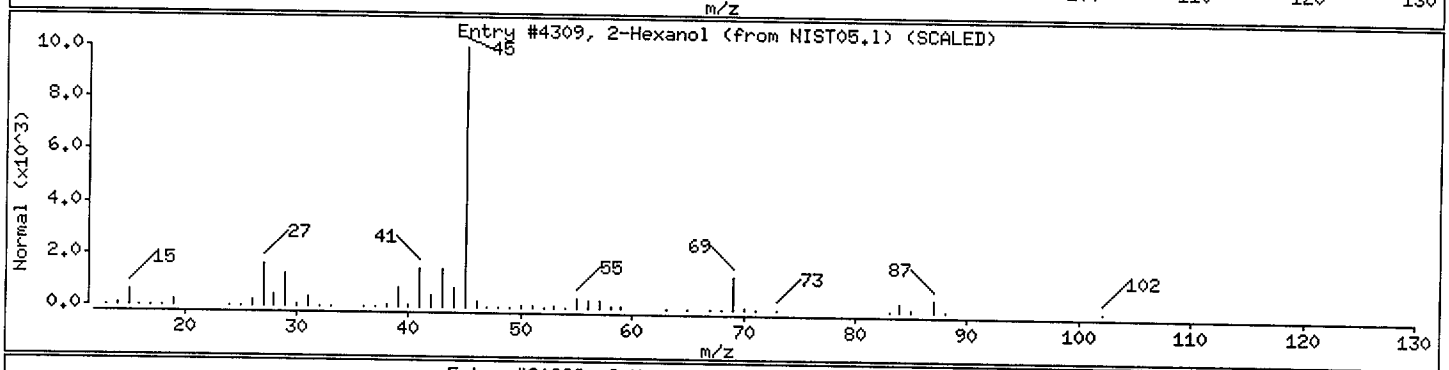
Column phase: ZB-5

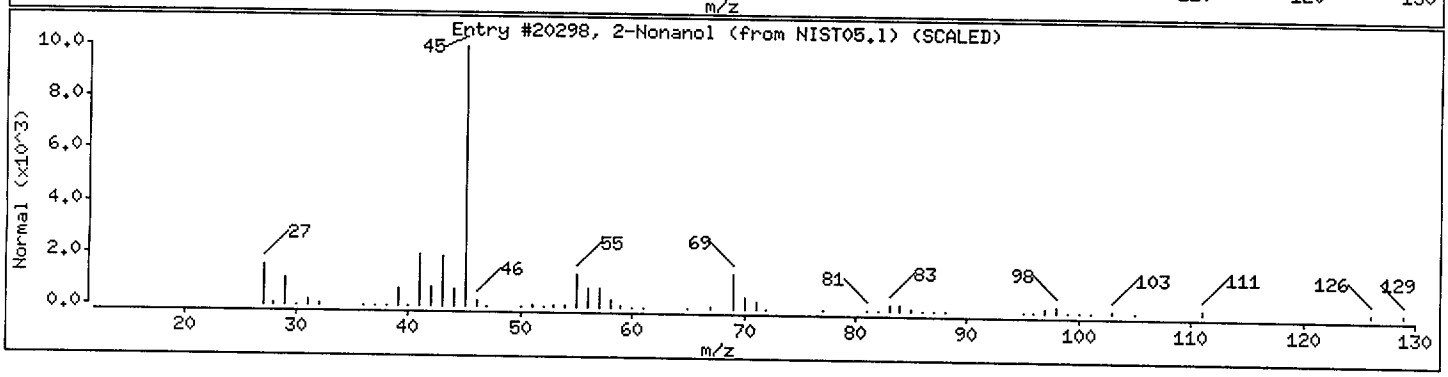
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanol, 4-methyl-	108-11-2	NIST05.1	4341	83	C6H14O	102
2-Hexanol	626-93-7	NIST05.1	4309	83	C6H14O	102
2-Nonanol	628-99-9	NIST05.1	20298	64	C9H20O	144









Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

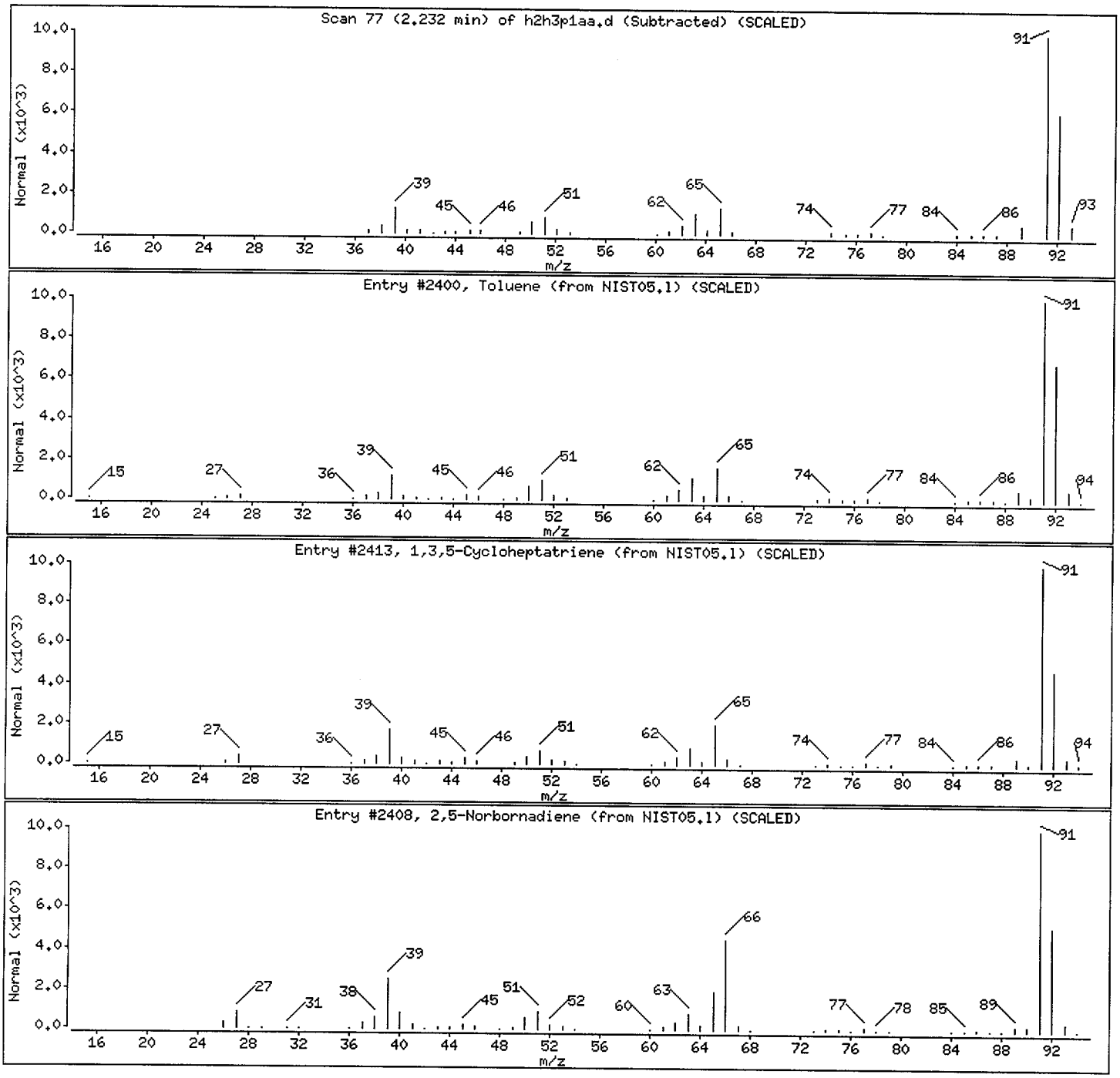
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NIST05.1	2400	95	C7H8	92
1,3,5-Cycloheptatriene	544-25-2	NIST05.1	2413	90	C7H8	92
2,5-Norbornadiene	121-46-0	NIST05.1	2408	83	C7H8	92



Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

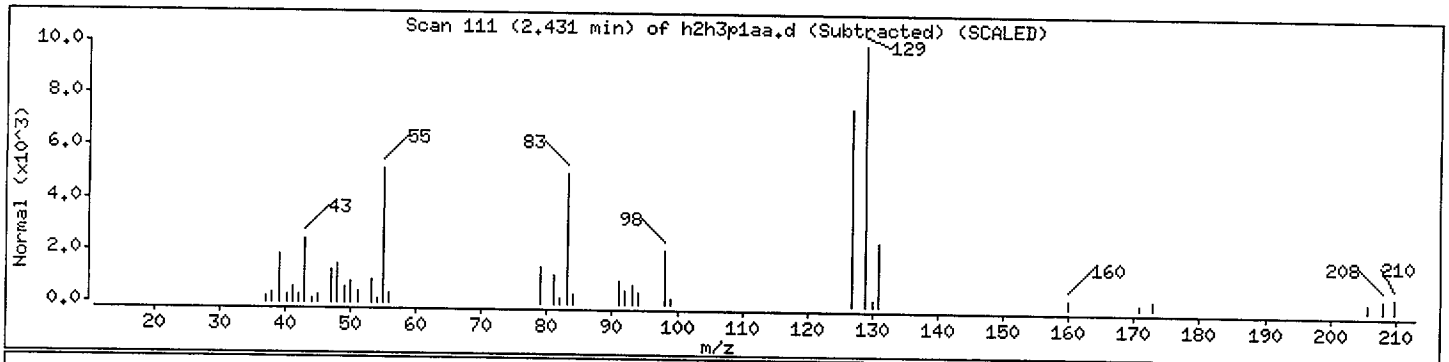
Volume Injected (uL): 1.0

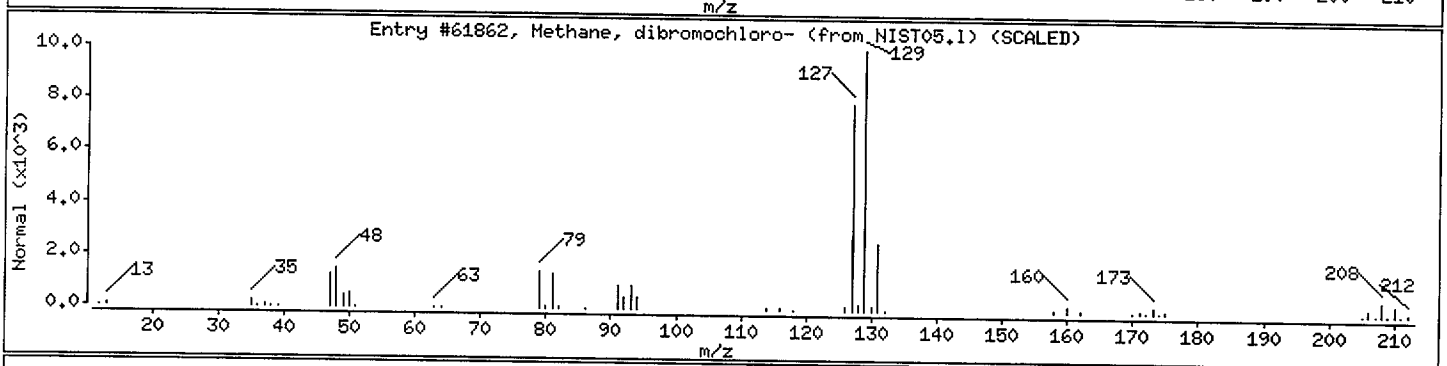
Operator: 60841

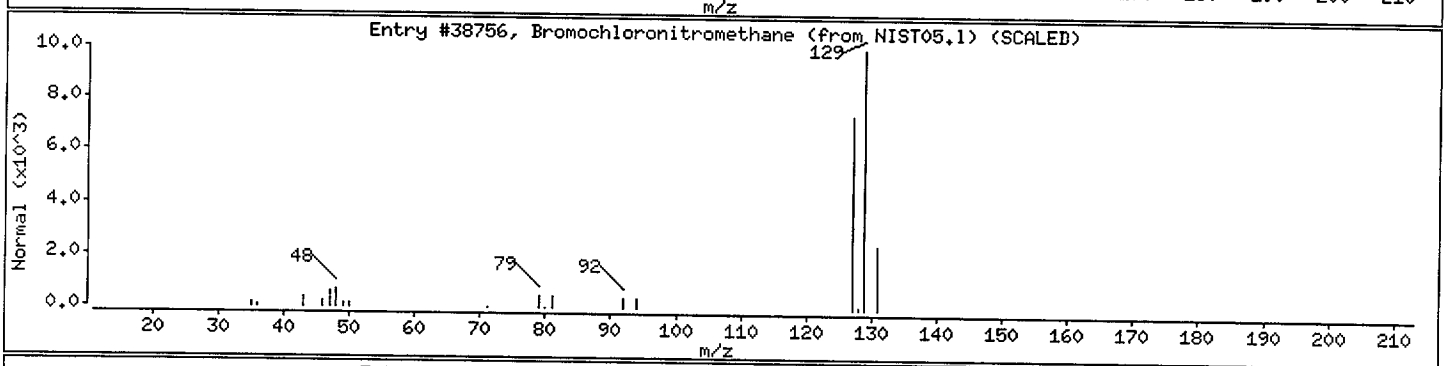
Column phase: ZB-5

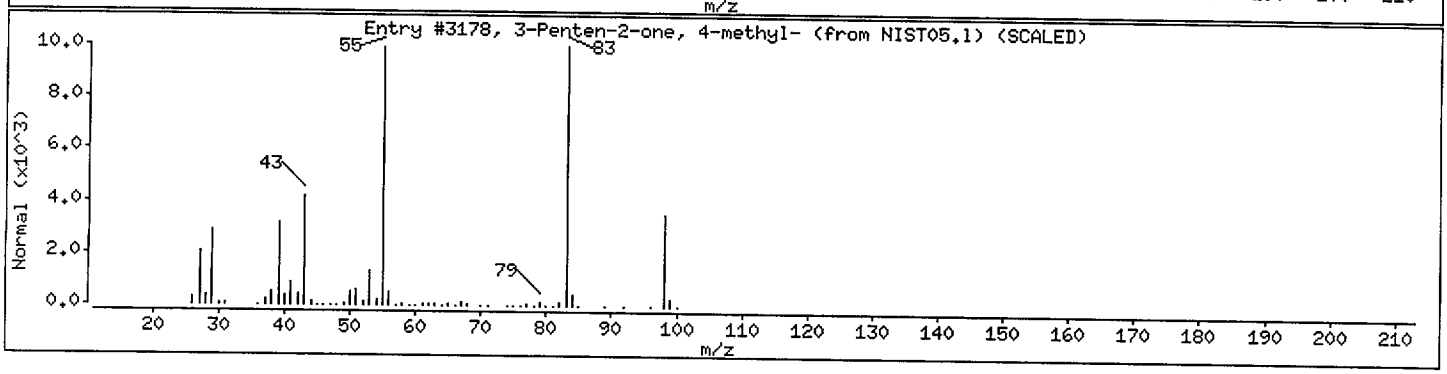
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dibromochloro-	124-48-1	NIST05.1	61862	98	CHBr2Cl	206
Bromochloronitromethane	135531-25-8	NIST05.1	38756	42	CHBrClNO2	173
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3178	25	C6H10O	98









Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

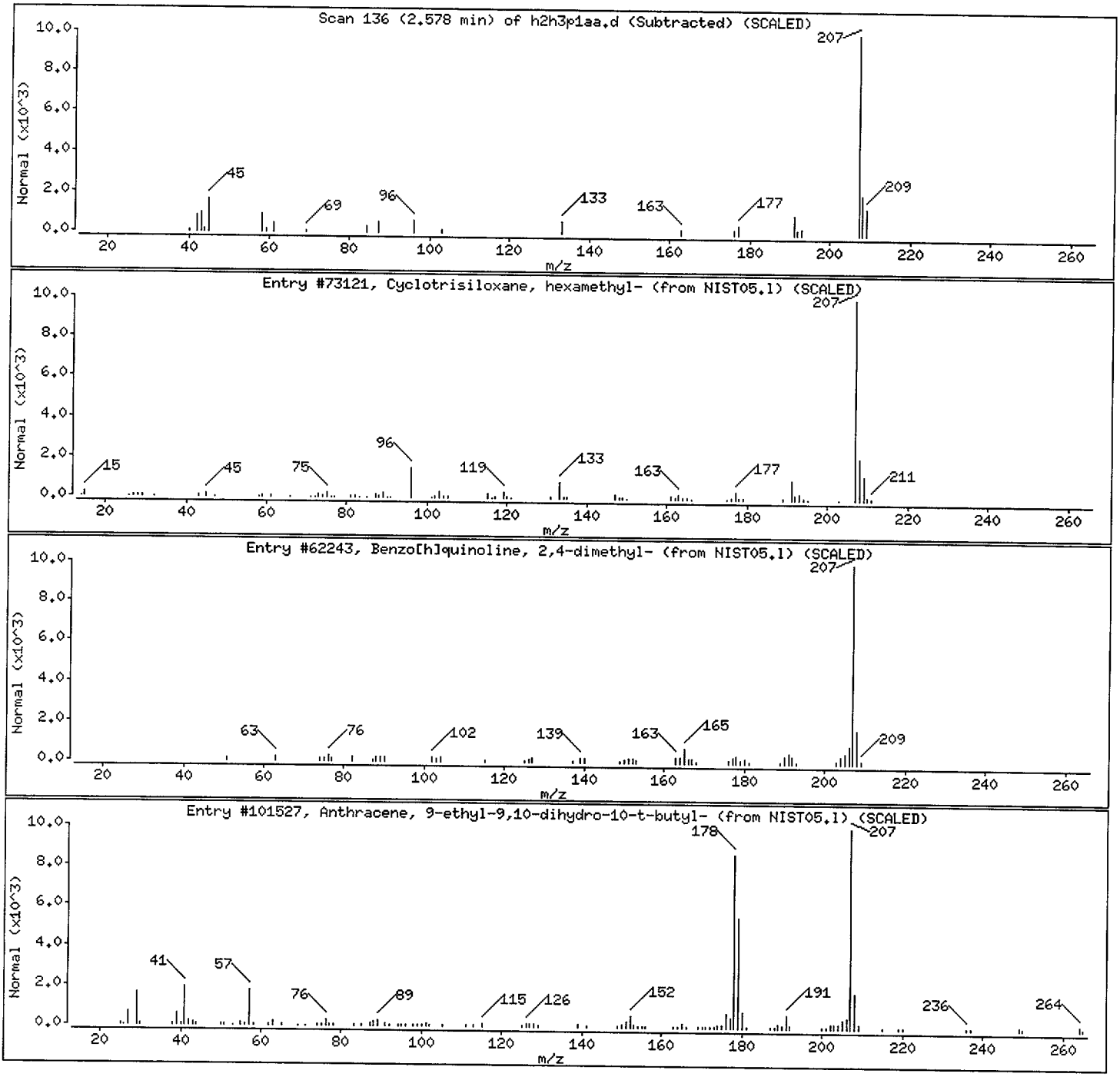
Client ID: G-3019/3020-R2-MM5 Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	78	C6H18O3Si3	222
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	64	C15H13N	207
Anthracene, 9-ethyl-9,10-dihydro-10-t-bu	1000154-57-7	NIST05.1	101527	39	C20H24	264



Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

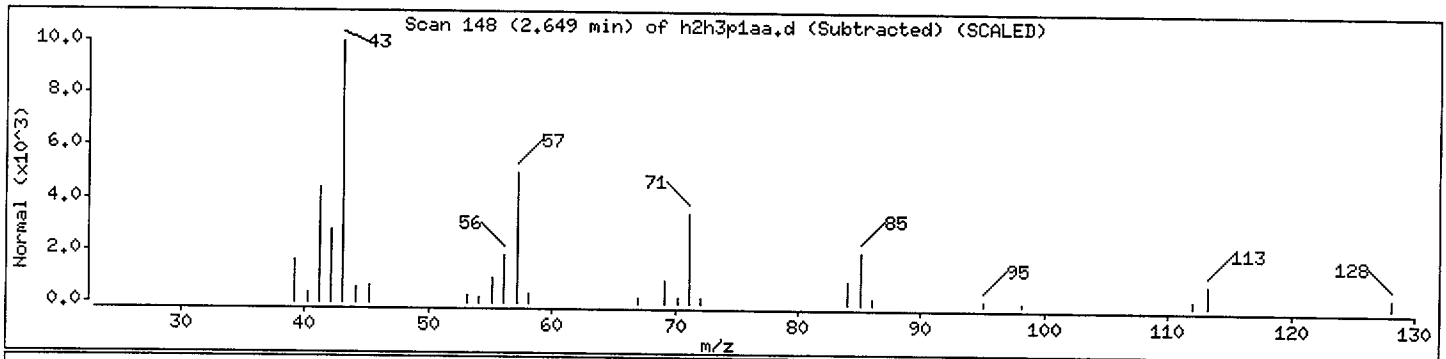
Volume Injected (uL): 1.0

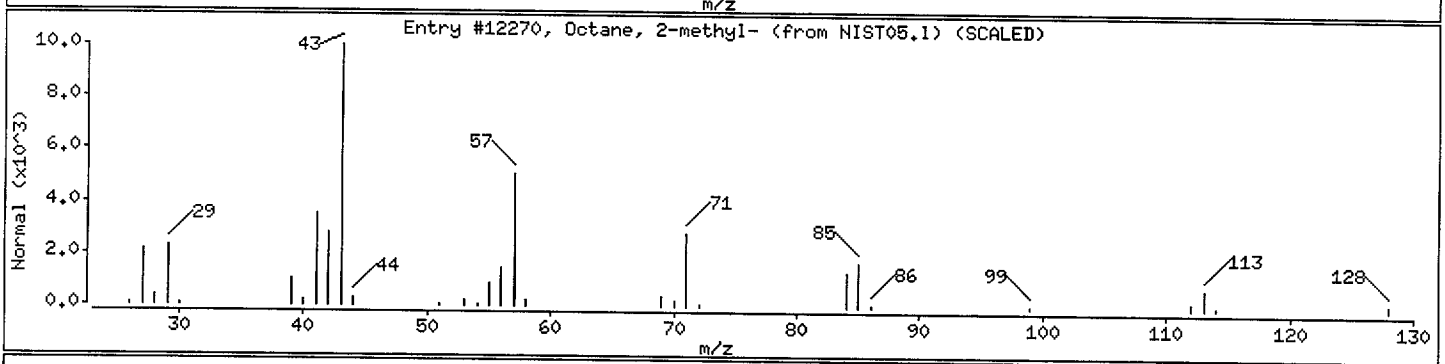
Operator: 60841

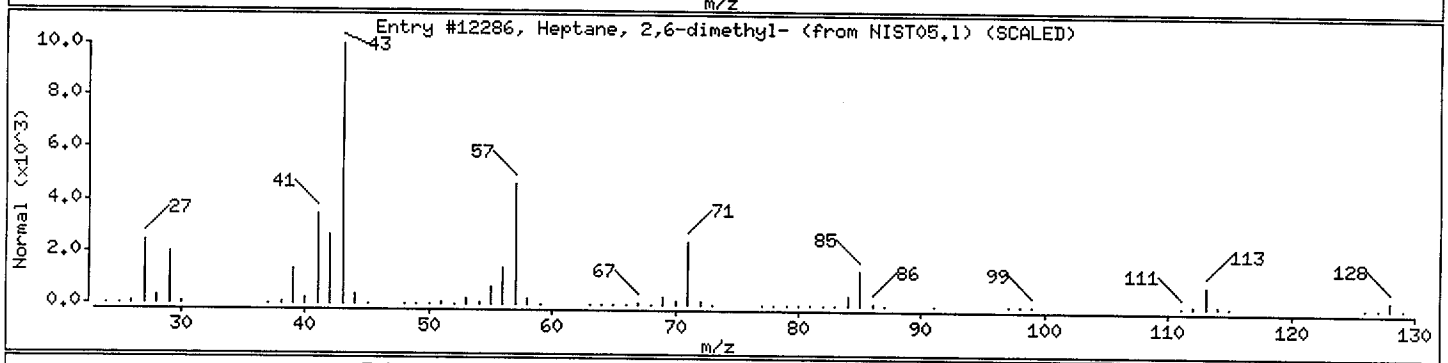
Column phase: ZB-5

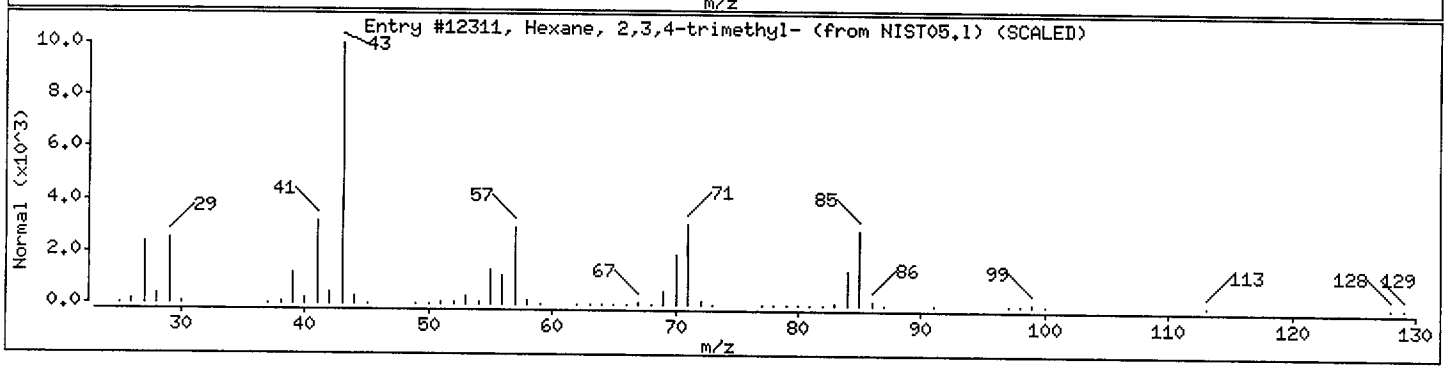
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Octane, 2-methyl-	3221-61-2	NIST05.1	12270	87	C9H20	128
Heptane, 2,6-dimethyl-	1072-05-5	NIST05.1	12286	87	C9H20	128
Hexane, 2,3,4-trimethyl-	921-47-1	NIST05.1	12311	64	C9H20	128









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Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

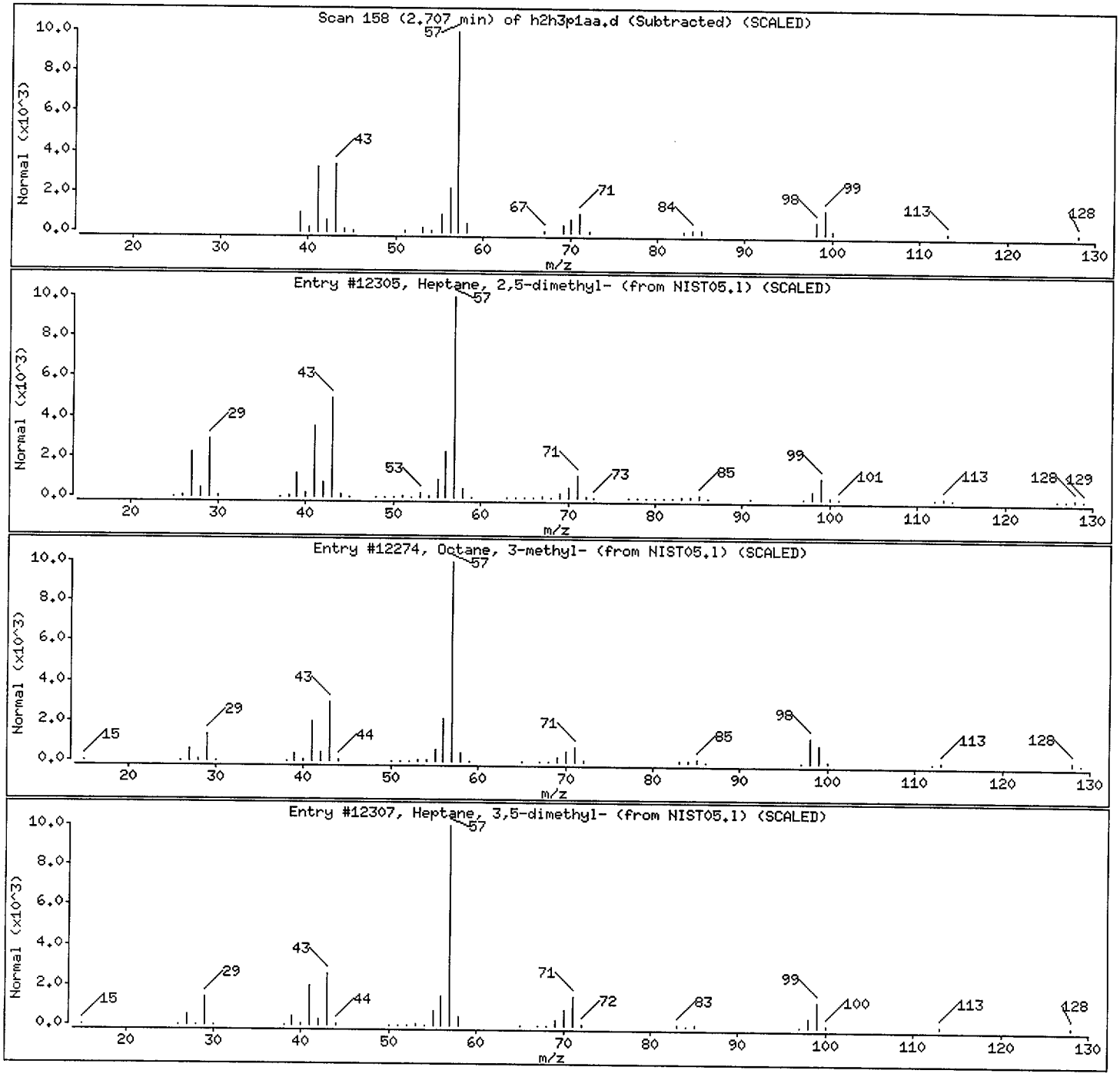
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.1	12305	90	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.1	12274	83	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.1	12307	76	C9H20	128



Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

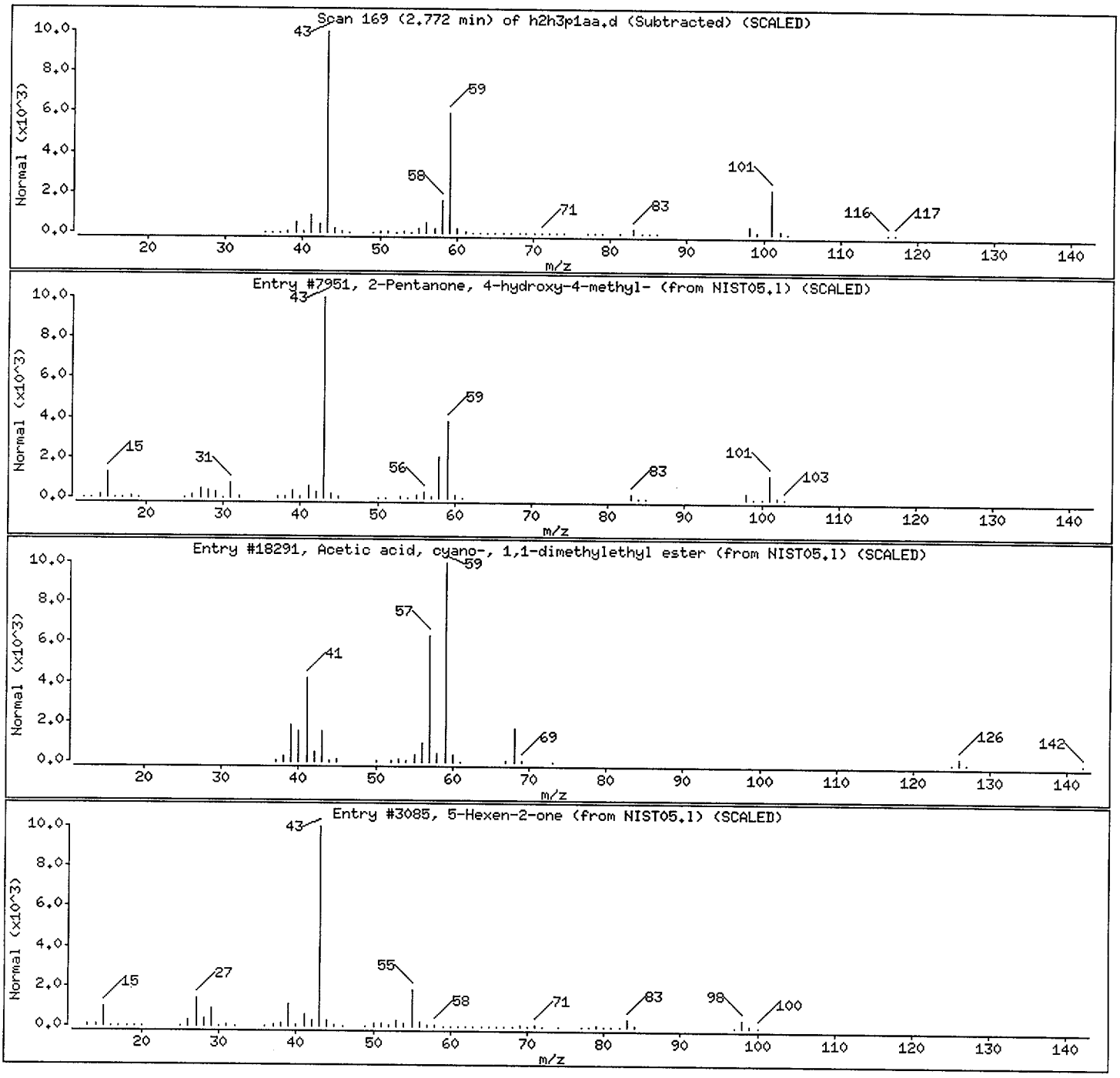
Client ID: G-3019/3020-R2-MM5 Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.l	7951	50	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.l	18291	17	C7H11NO2	141
5-Hexen-2-one	109-49-9	NIST05.l	3085	9	C6H10O	98



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Date : 28-APR-2006 12:13

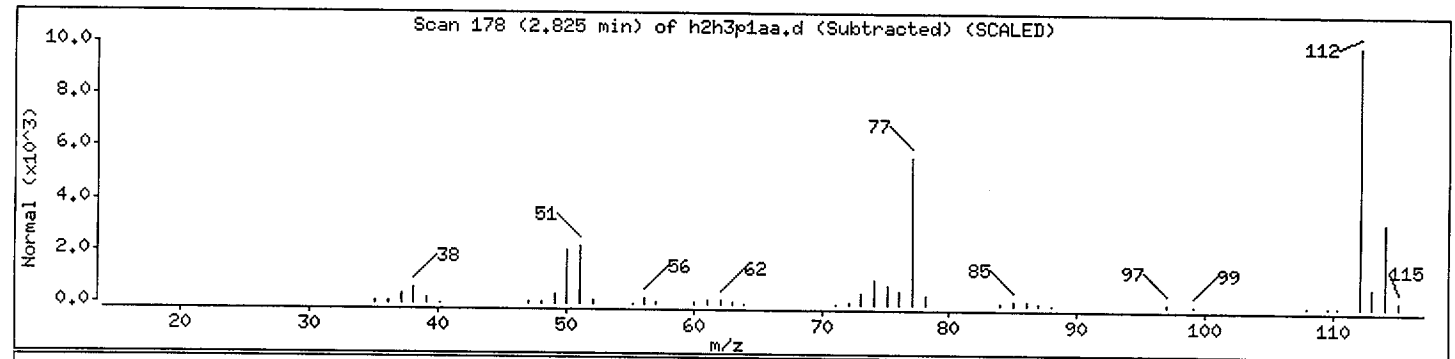
Client ID: G-3019/3020-R2-MM5 Instrument: md.i

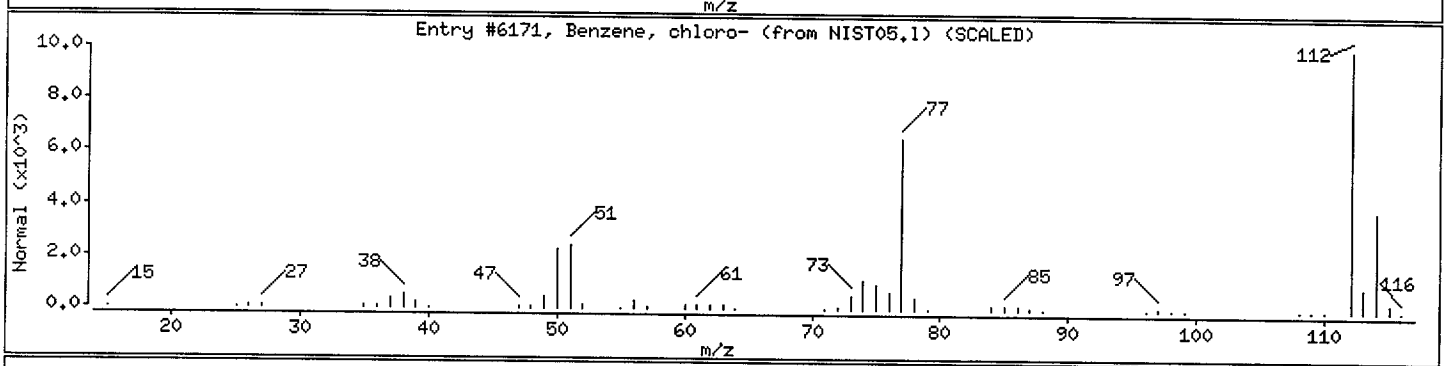
Sample Info: H2H3P1AA,,0,,,,

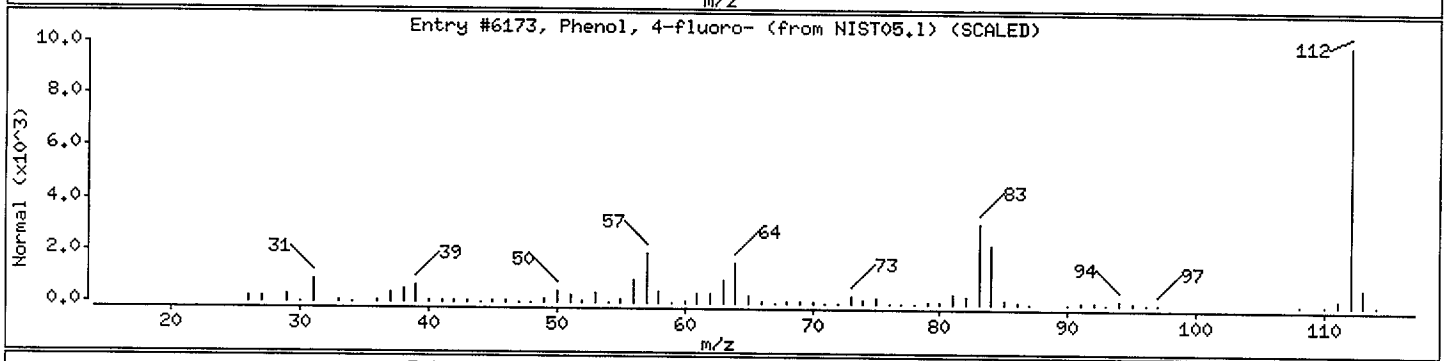
Volume Injected (uL): 1.0 Operator: 60841

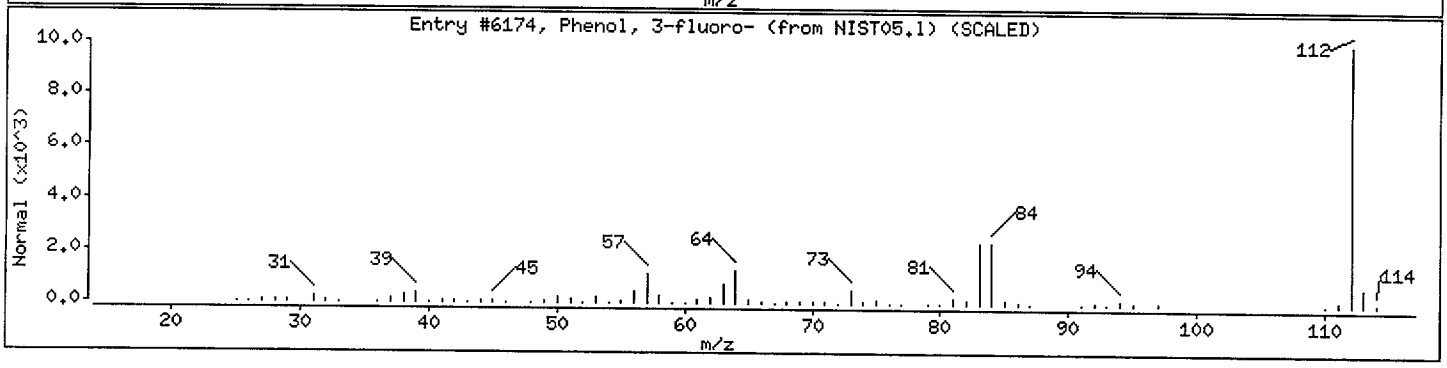
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, chloro-	108-90-7	NIST05.l	6171	97	C6H5Cl	112
Phenol, 4-fluoro-	371-41-5	NIST05.l	6173	16	C6H5FO	112
Phenol, 3-fluoro-	372-20-3	NIST05.l	6174	9	C6H5FO	112









Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

Client ID: G-3019/3020-R2-MM5

Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

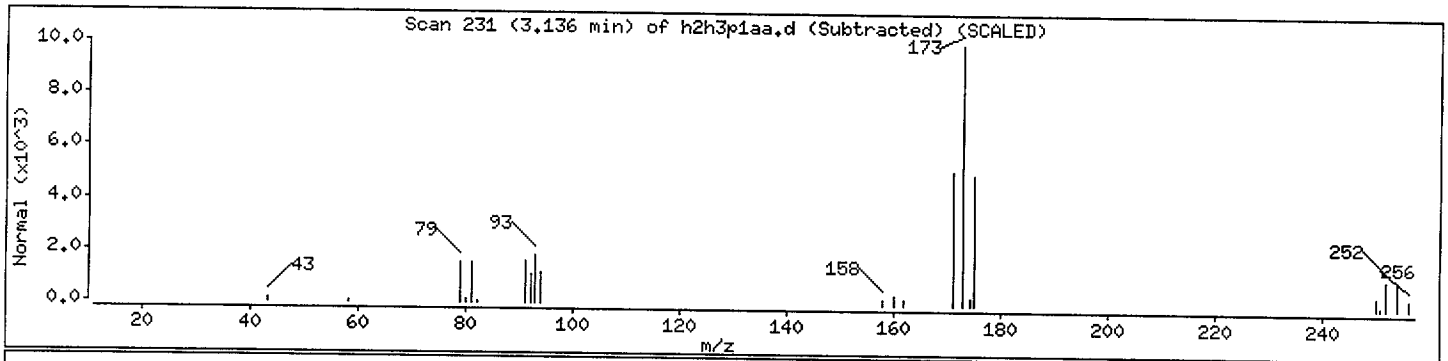
Volume Injected (uL): 1.0

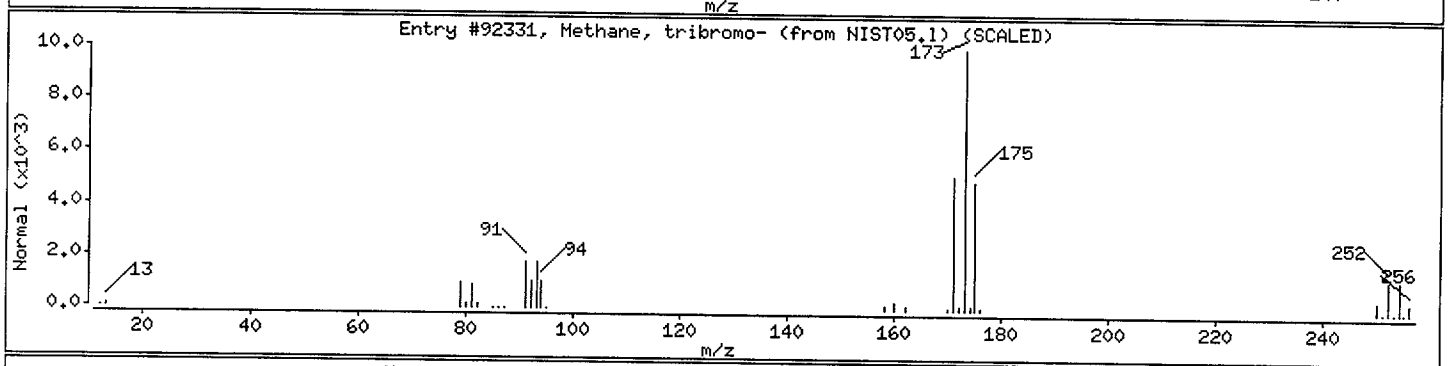
Operator: 60841

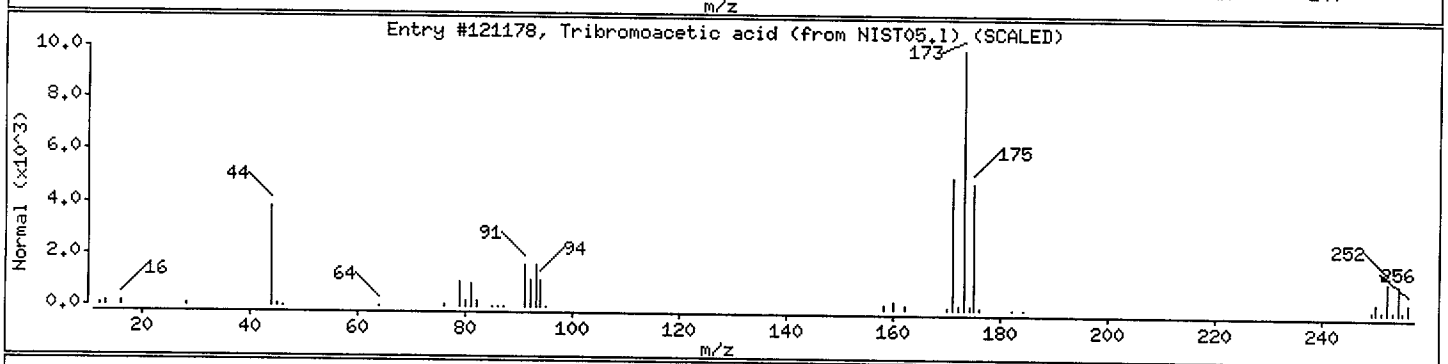
Column phase: ZB-5

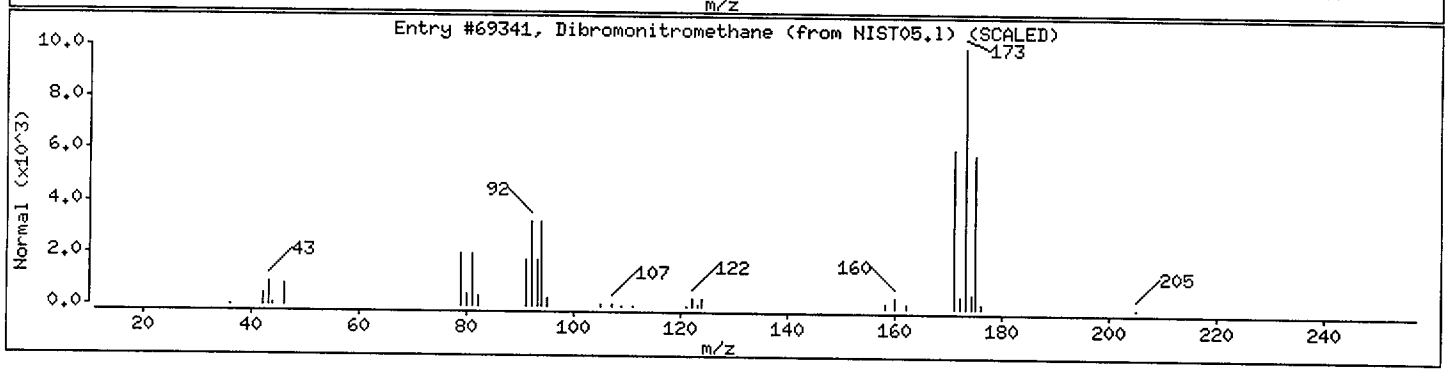
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, tribromo-	75-25-2	NIST05.l	92331	98	CHBr3	250
Tribromoacetic acid	75-96-7	NIST05.l	121178	91	C2HBr3O2	294
Dibromonitromethane	598-91-4	NIST05.l	69341	45	CHBr2NO2	217









Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

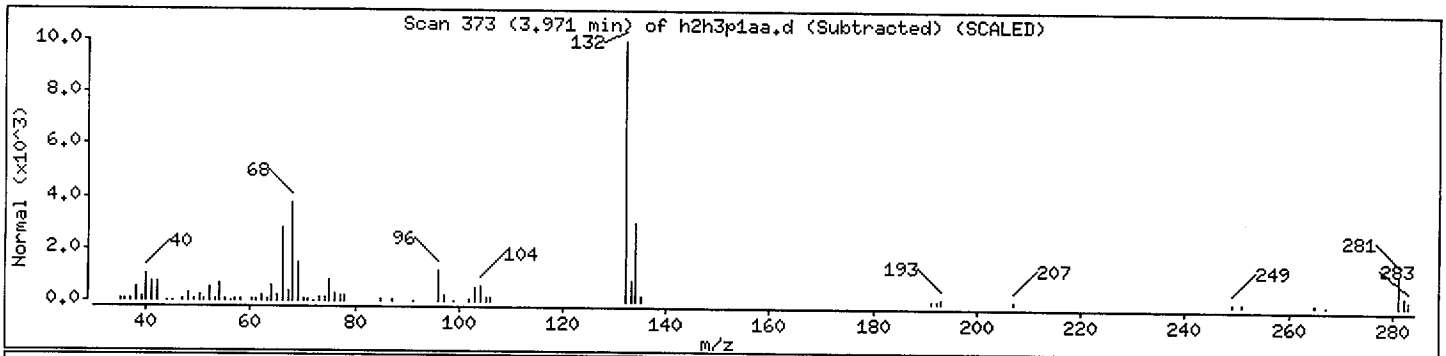
Client ID: G-3019/3020-R2-MM5 Instrument: md.i

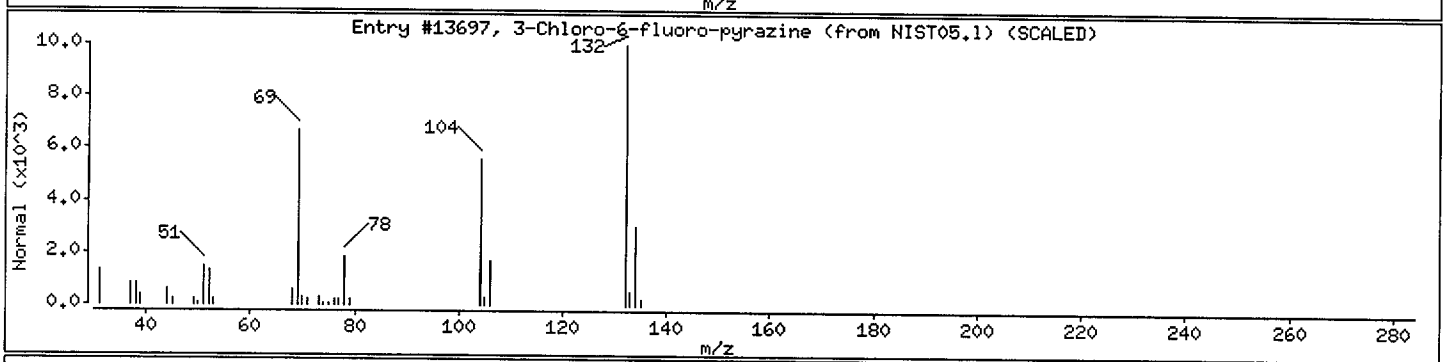
Sample Info: H2H3P1AA,,0,,,,

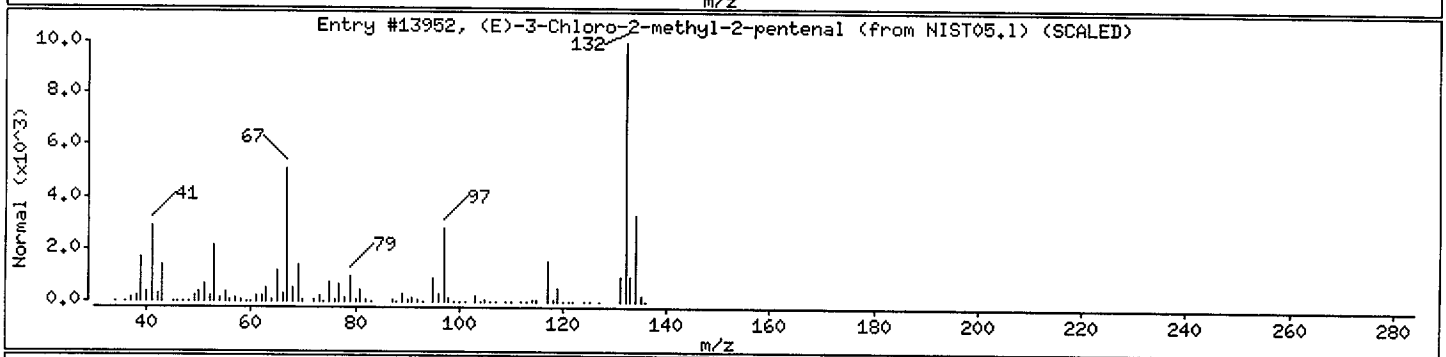
Volume Injected (uL): 1.0 Operator: 60841

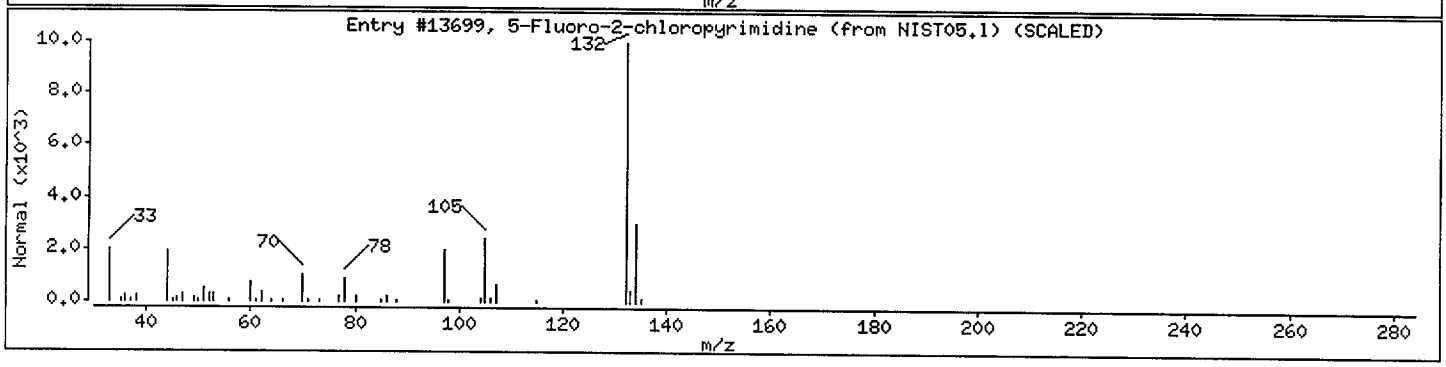
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	17	C6H9ClO	132
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	17	C4H2ClFN2	132









Data File: /var/chem/gcms/md.i/D042806.b/h2h3p1aa.d

Date : 28-APR-2006 12:13

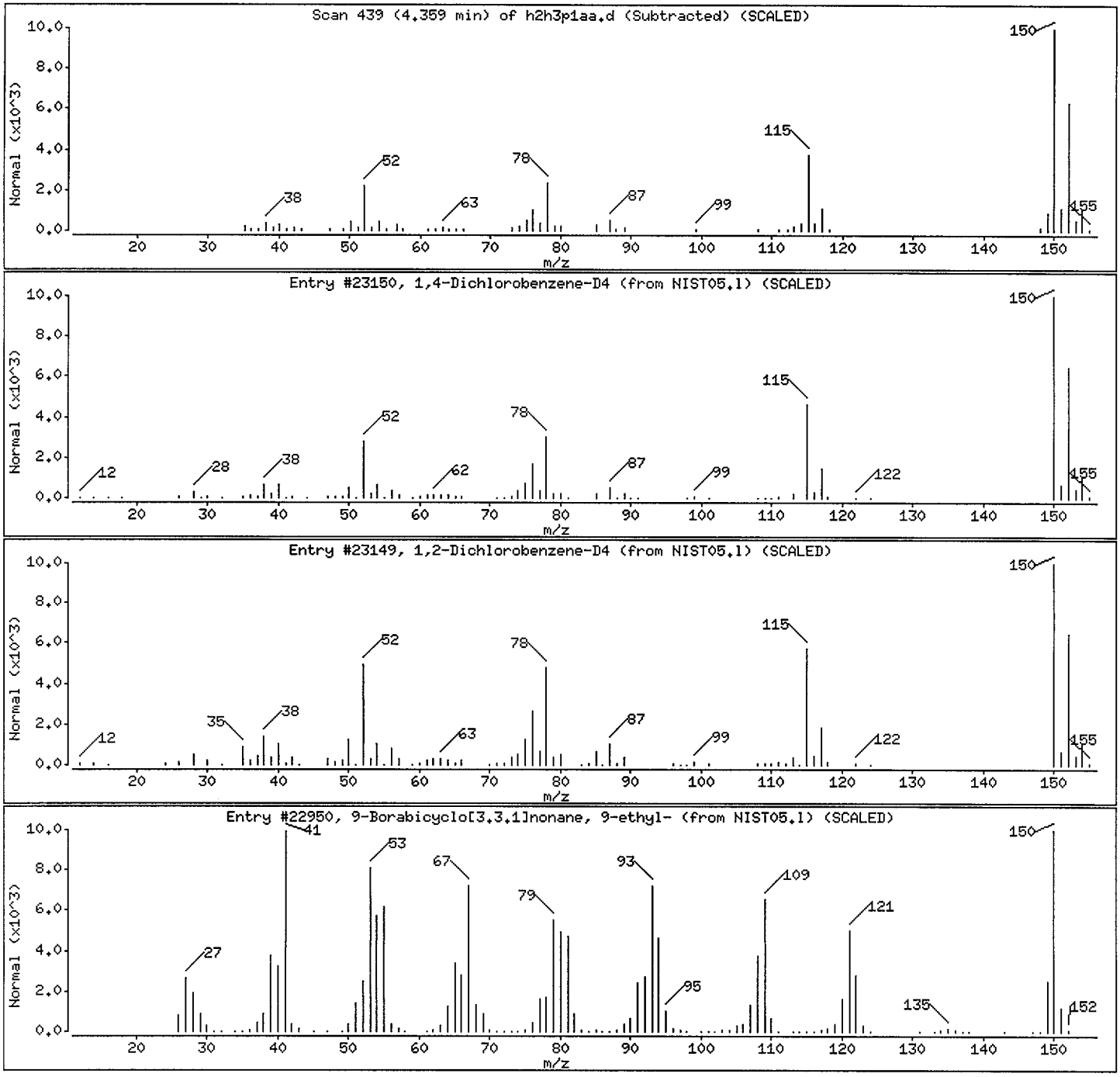
Client ID: G-3019/3020-R2-MM5 Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	95	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	43	C10H19B	150



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Date : 28-APR-2006 12:13

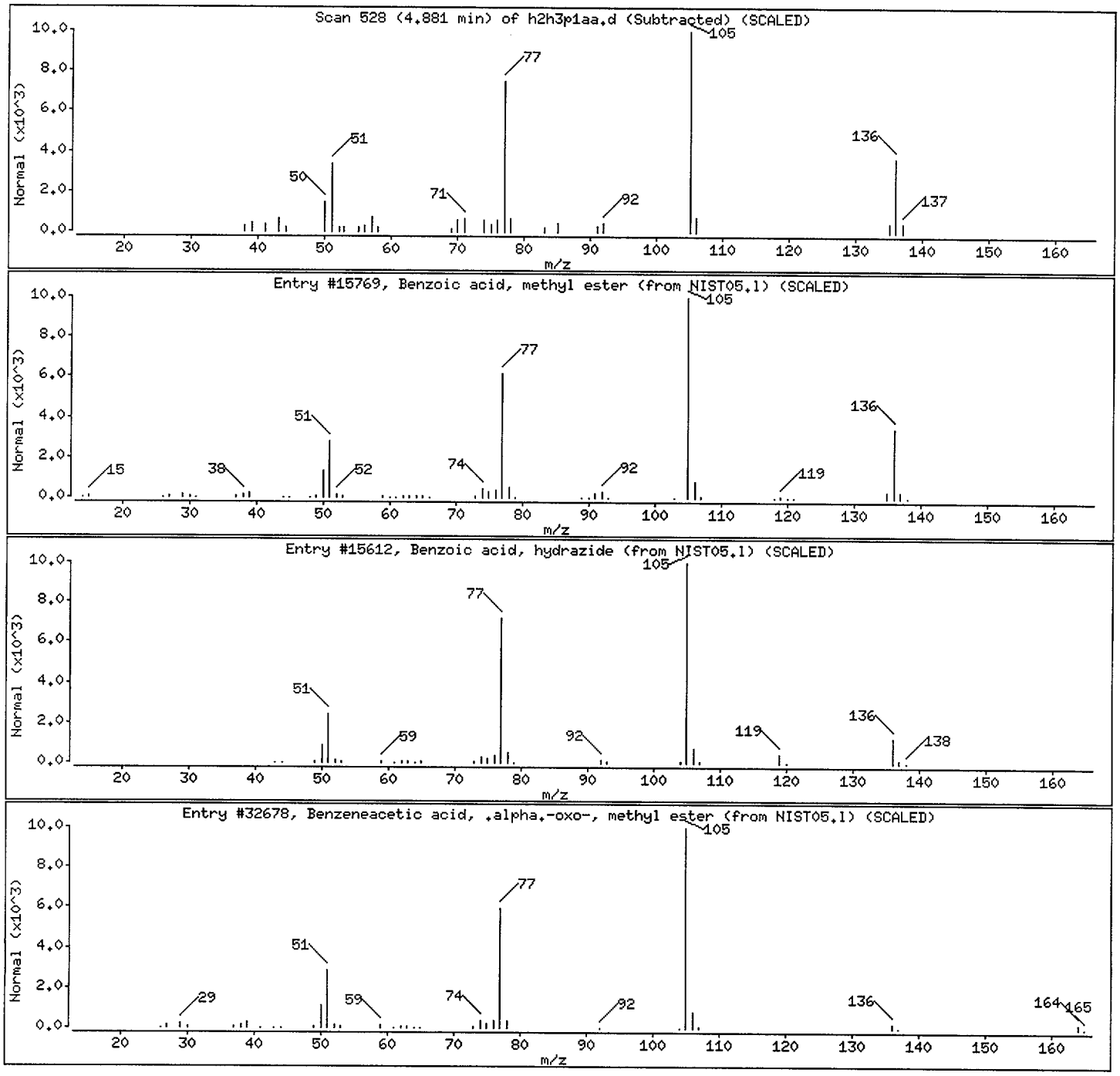
Client ID: G-3019/3020-R2-MM5 Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzoic acid, methyl ester	93-58-3	NIST05.1	15769	95	C8H8O2	136
Benzoic acid, hydrazide	613-94-5	NIST05.1	15612	72	C7H8N2O	136
Benzeneacetic acid, .alpha.-oxo-, methyl	15206-55-0	NIST05.1	32678	64	C9H8O3	164



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Date : 28-APR-2006 12:13

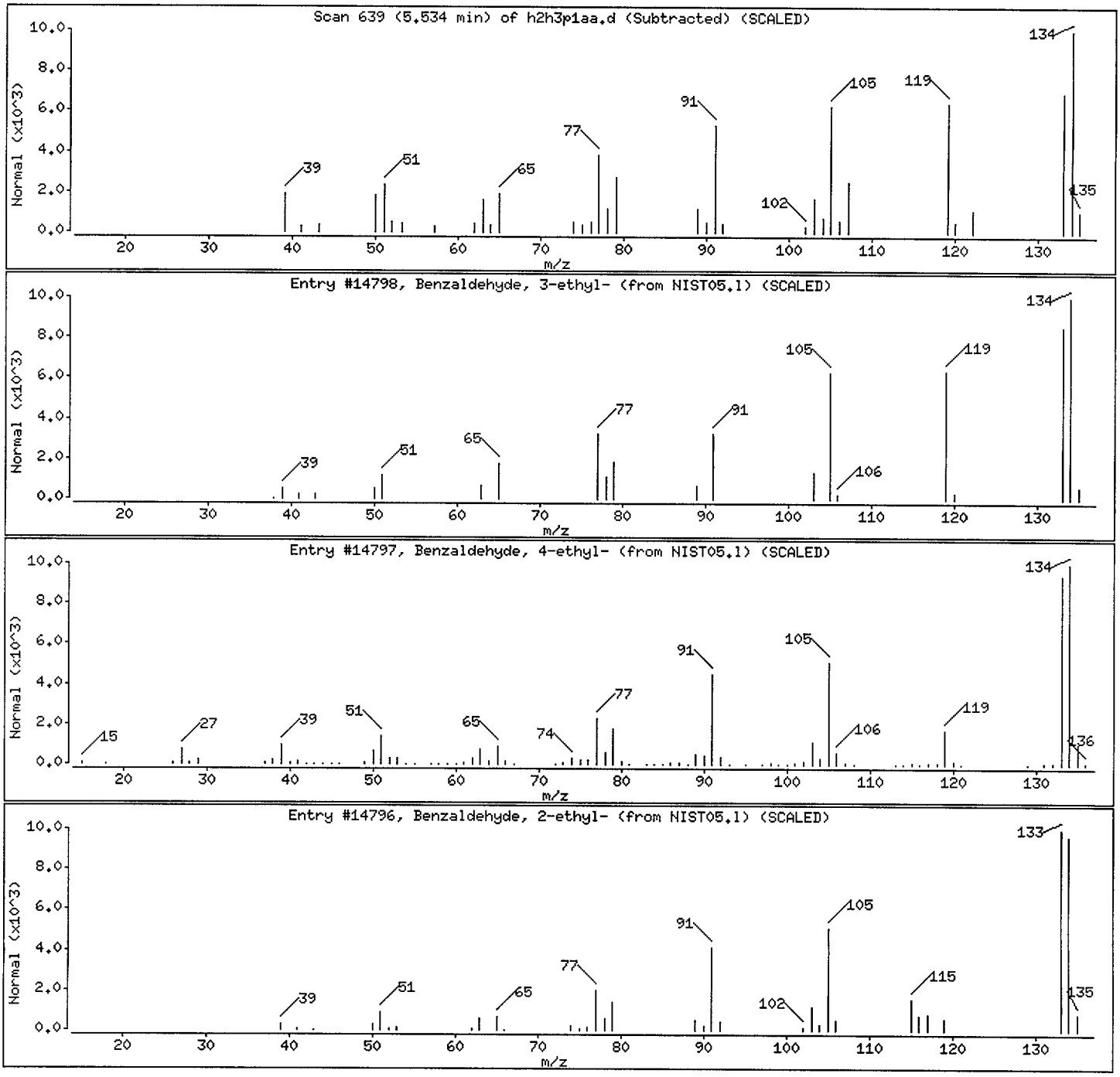
Client ID: G-3019/3020-R2-MM5 Instrument: md.i

Sample Info: H2H3P1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzaldehyde, 3-ethyl-	34246-54-3	NIST05.l	14798	89	C9H10O	134
Benzaldehyde, 4-ethyl-	4748-78-1	NIST05.l	14797	89	C9H10O	134
Benzaldehyde, 2-ethyl-	22927-13-5	NIST05.l	14796	76	C9H10O	134



STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	26	(19 - 100)
Phenol-d5	24	(15 - 124)
Nitrobenzene-d5	30 *	(35 - 122)
2-Fluorobiphenyl	37	(34 - 115)
2,4,6-Tribromophenol	46	(33 - 130)
Terphenyl-d14	61	(28 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Report Date: 03-May-2006 09:59

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Lab Smp Id: H2H3Q1AA Client Smp ID: G-3021/3022-R2-MM5
Inj Date : 28-APR-2006 18:51
Operator : 60841 Inst ID: md.i
Smp Info : H2H3Q1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 09:58 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.44900	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05/05/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	70199	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	230365	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	167045	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	289694	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	298246	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	275481	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	94422	19.2339	42.8
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	106129	17.9221	39.9
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	77112	14.8499	33.1
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	203768	18.5035	41.2
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	63578	34.6110	77.1
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	443050	30.5419	68.0(R)
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	3178	0.98588	~~2.20~~

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Report Date: 03-May-2006 09:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	140788	12.9594	28.9
184 Benzaldehyde	105	3.971	3.742	(0.955)	1499	0.46770	~~1.04~~
185 Benzonitrile	103	3.971	3.935	(0.955)	4784	0.66647	~~1.48~~

QC Flag Legend

KRM 5/3/06

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Report Date: 03-May-2006 09:59

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3q1aa.d
Lab Smp Id: H2H3Q1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3021/3022-R2-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	70199	14.12
2 Naphthalene-d8	201763	100882	403526	230365	14.18
3 Acenaphthene-d10	143273	71636	286546	167045	16.59
4 Phenanthrene-d10	247023	123512	494046	289694	17.27
5 Chrysene-d12	265356	132678	530712	298246	12.39
6 Perylene-d12	233795	116898	467590	275481	17.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	-0.01
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.11
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Report Date: 03-May-2006 16:53

STL Knoxville

RECOVERY REPORT

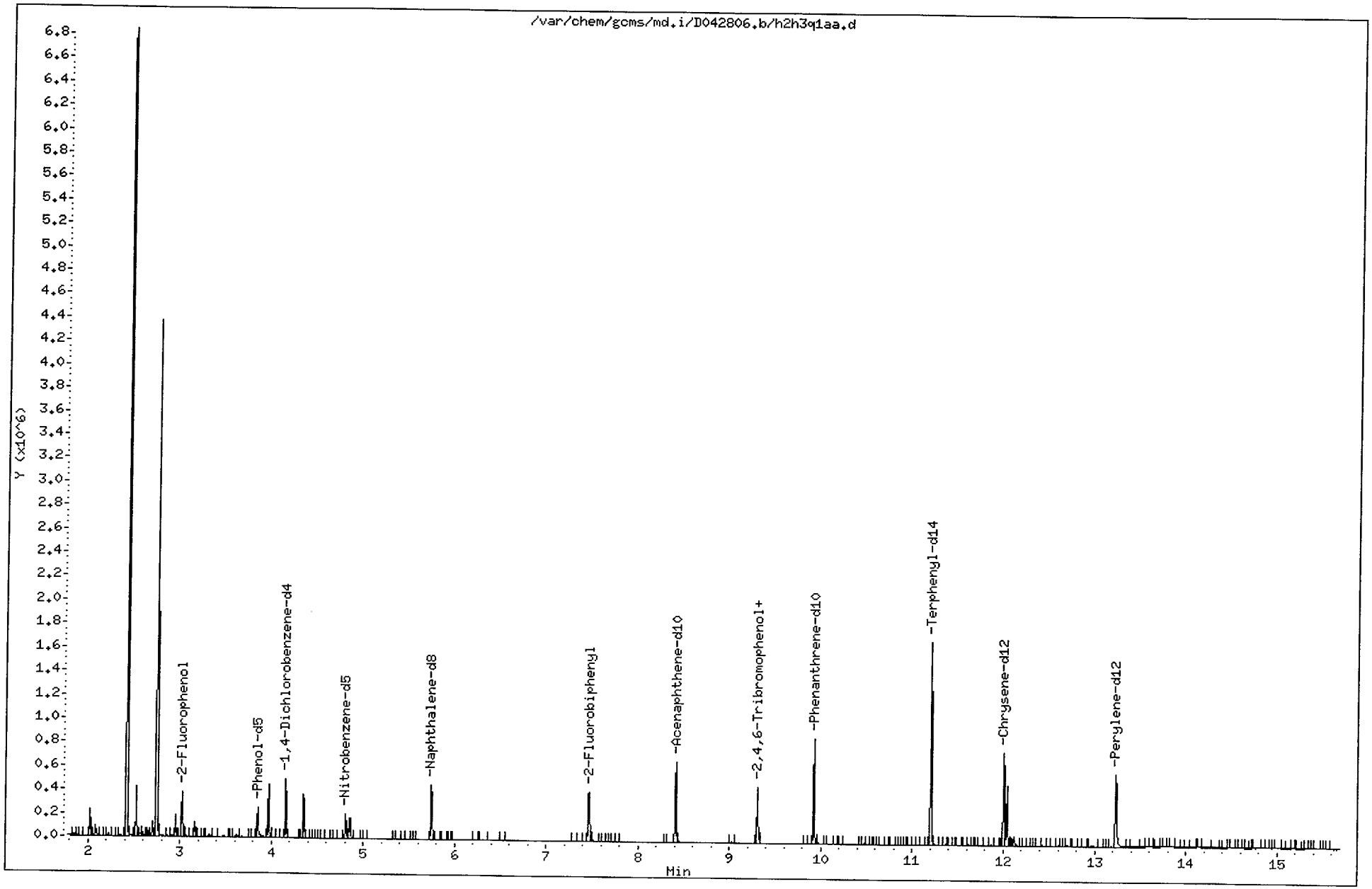
Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H3Q1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3021/3022-R2-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

SURROGATE COMPOUND	AMOUNT ADDED ng/uL	AMOUNT RECOVERED ng/uL	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	19.2	25.65	19-100
$ 8 Phenol-d5	75.0	17.9	23.90	15-124
$ 9 Nitrobenzene-d5	50.0	14.8	29.70*	42-104
$ 10 2-Fluorobiphenyl	50.0	18.5	37.01*	51-103
$ 11 2,4,6-Tribromophen	75.0	34.6	46.15	33-130
$ 12 Terphenyl-d14	50.0	30.5	61.08	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Date : 28-APR-2006 18:51
Client ID: G-3021/3022-R2-MM5
Sample Info: H2H3Q1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-MM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0

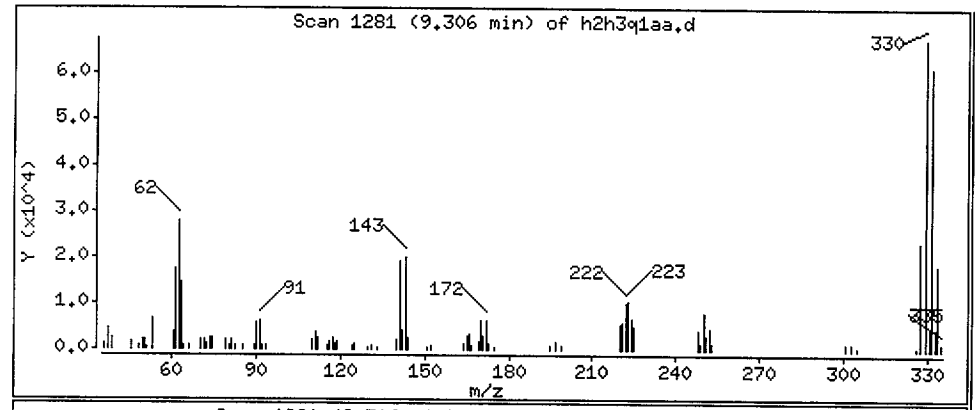
Operator: 60841

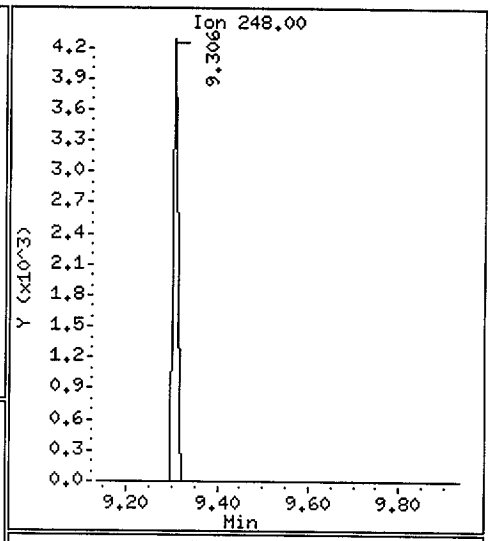
Column phase: ZB-5

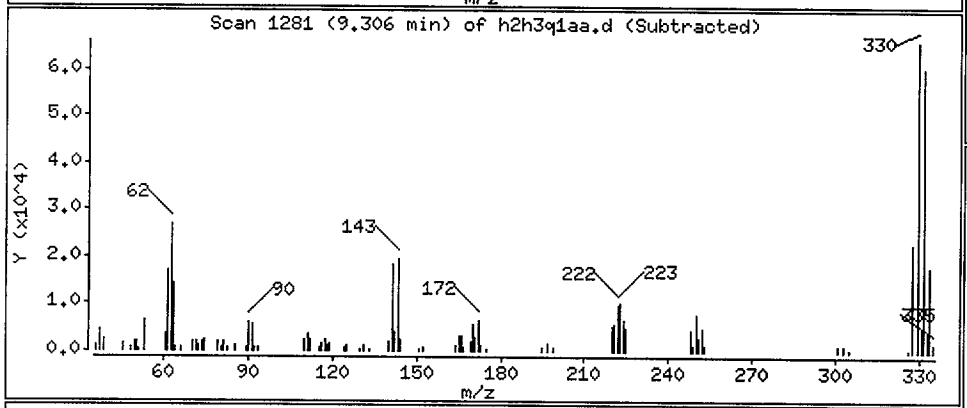
Column diameter: 0.25

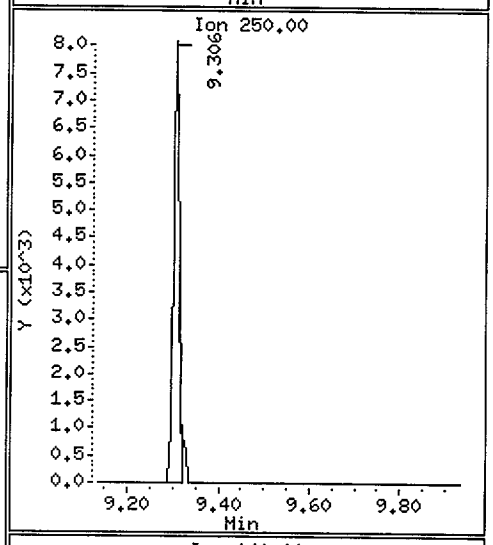
63 4-Bromophenyl phenyl ether

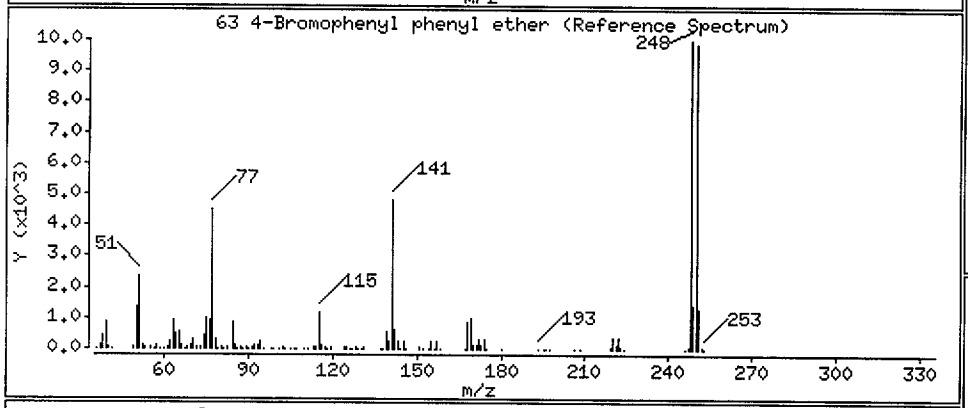
Concentration: 2.20 ug

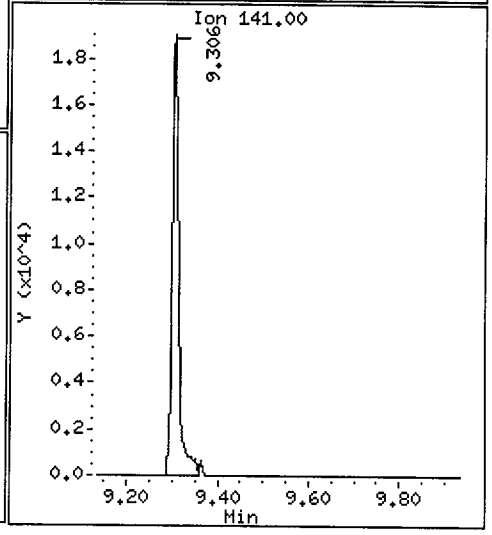


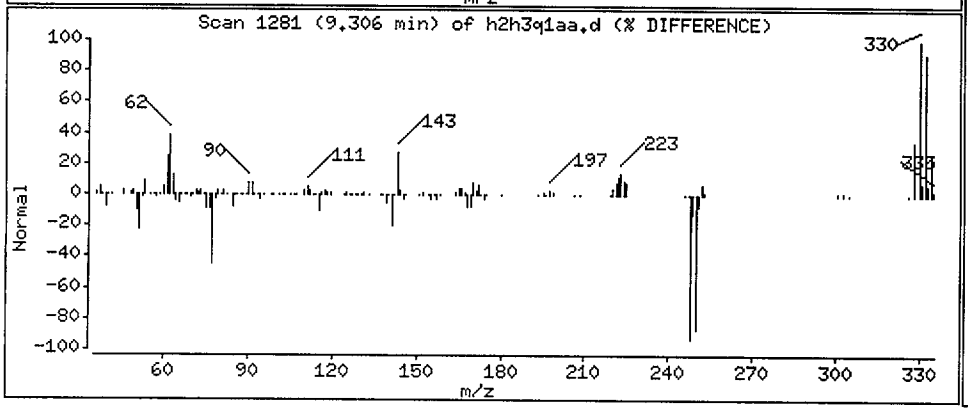












Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-MM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0

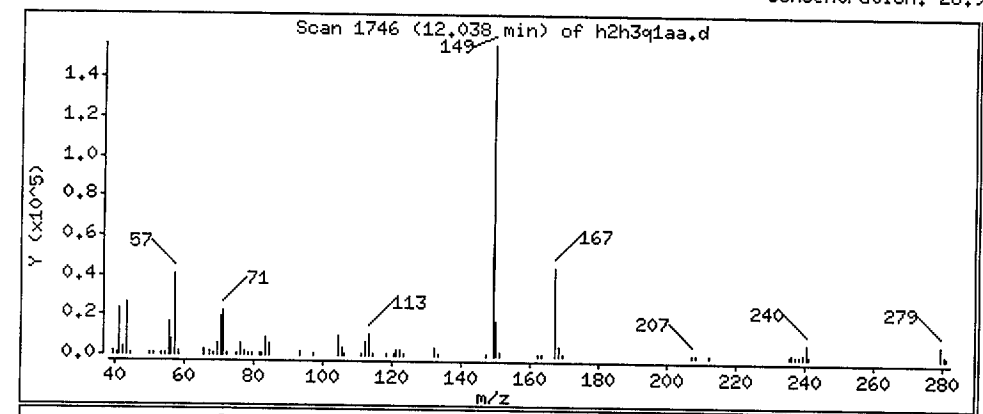
Operator: 60841

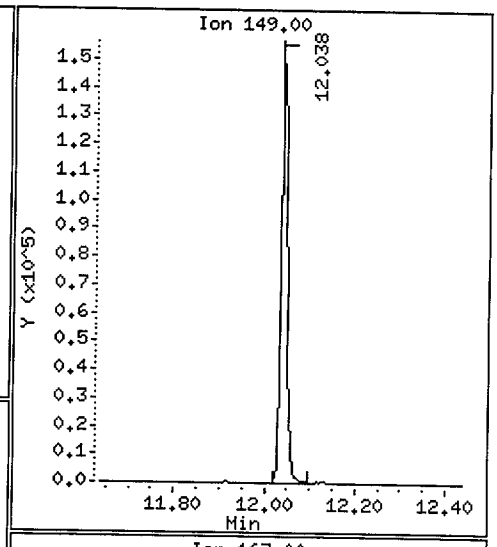
Column phase: ZB-5

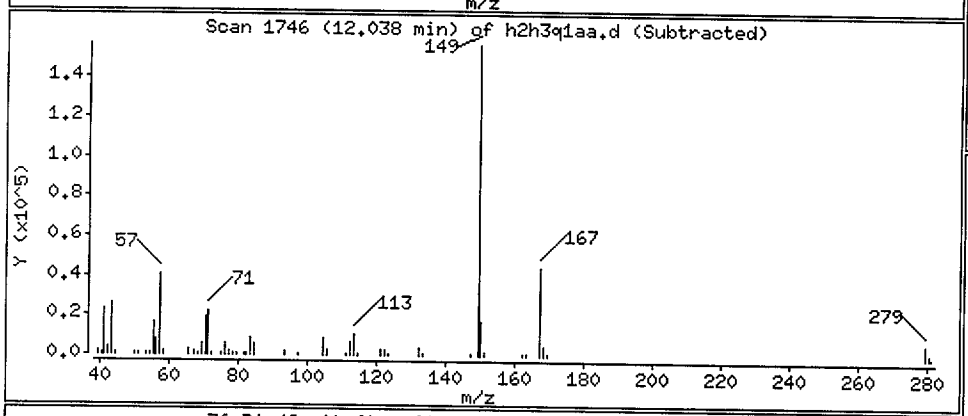
Column diameter: 0.25

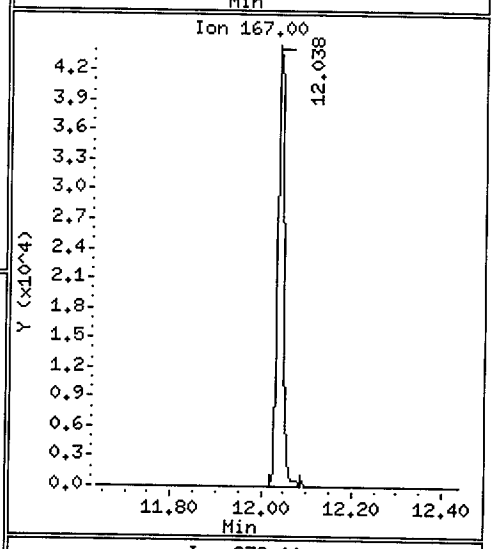
76 Bis(2-ethylhexyl) phthalate

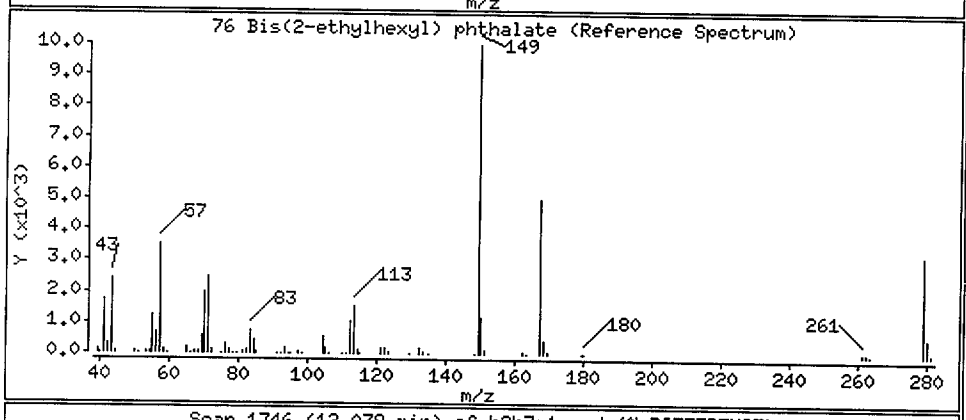
Concentration: 28.9 ug

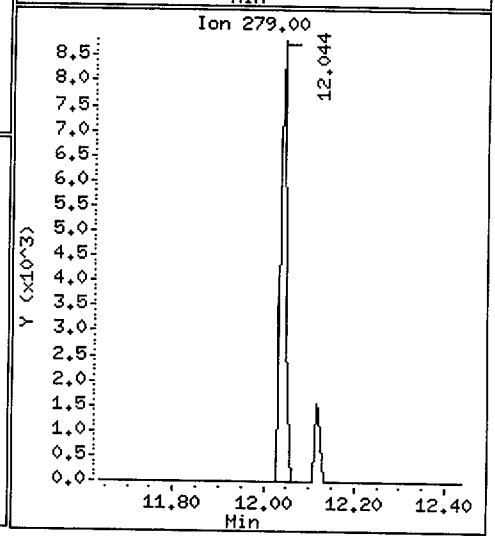


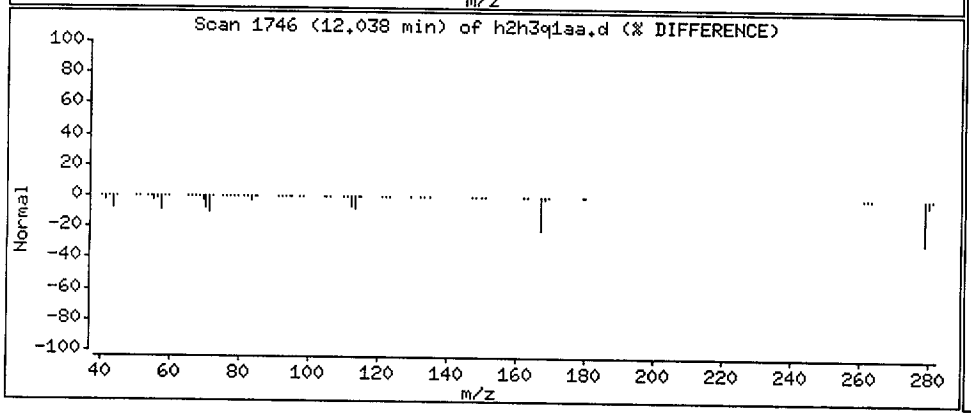












Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-MM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0

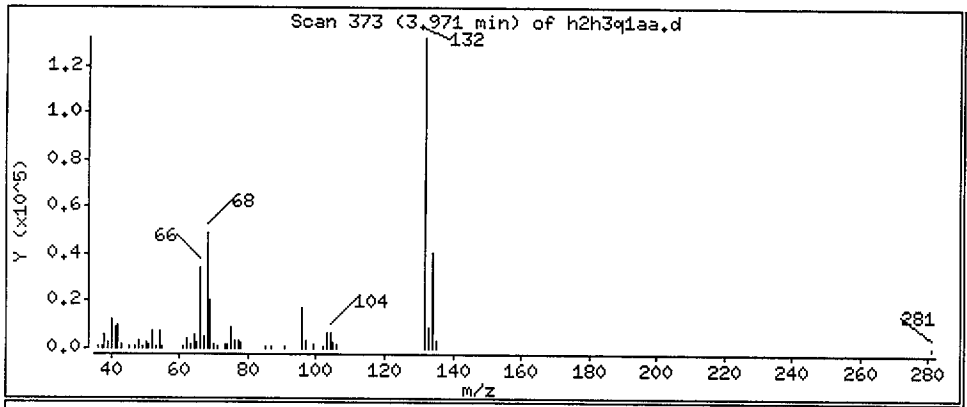
Operator: 60841

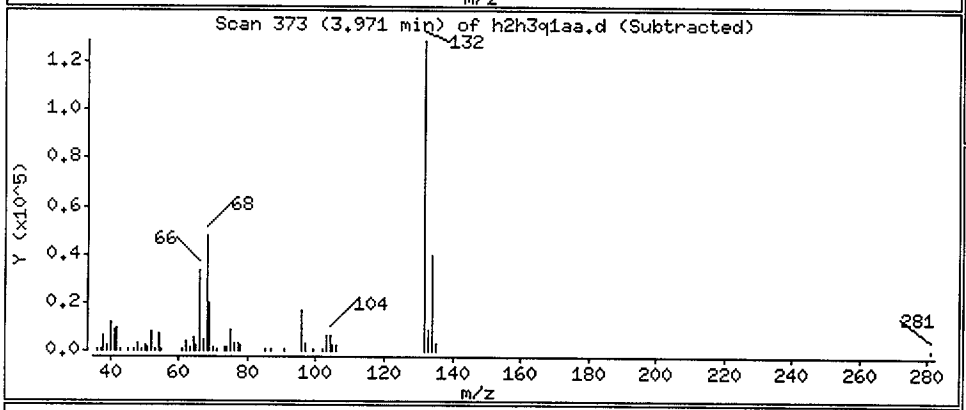
Column phase: ZB-5

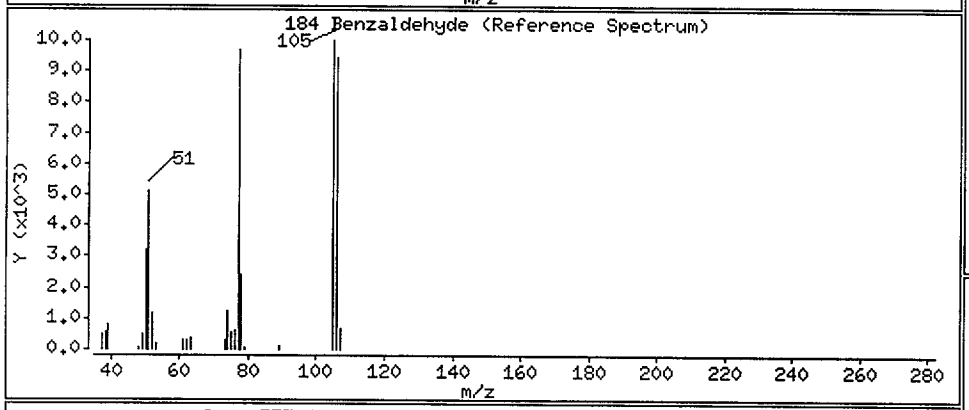
Column diameter: 0.25

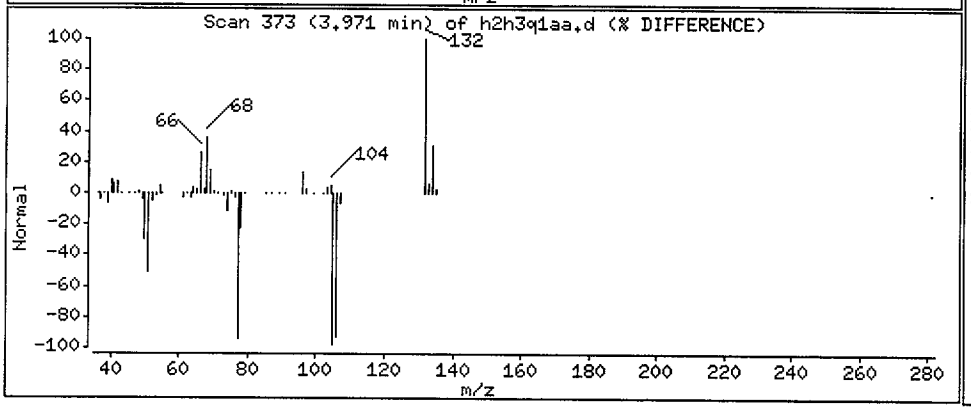
184 Benzaldehyde

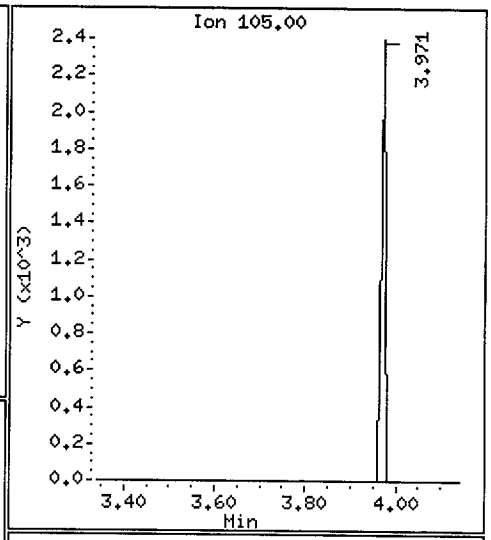
Concentration: 1.04 ug

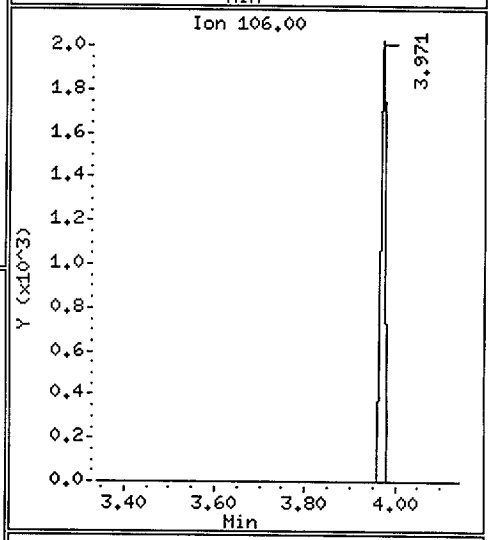


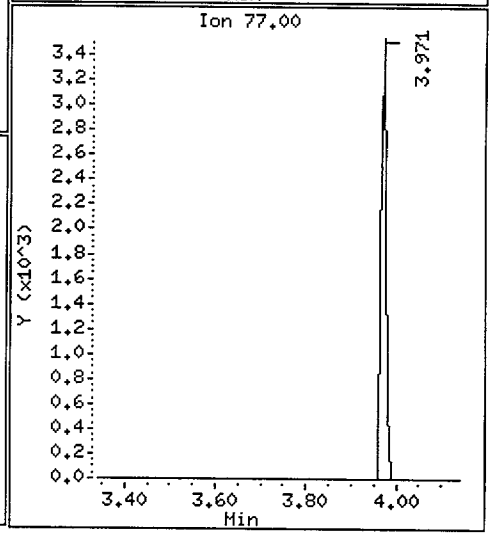












Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-MM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0

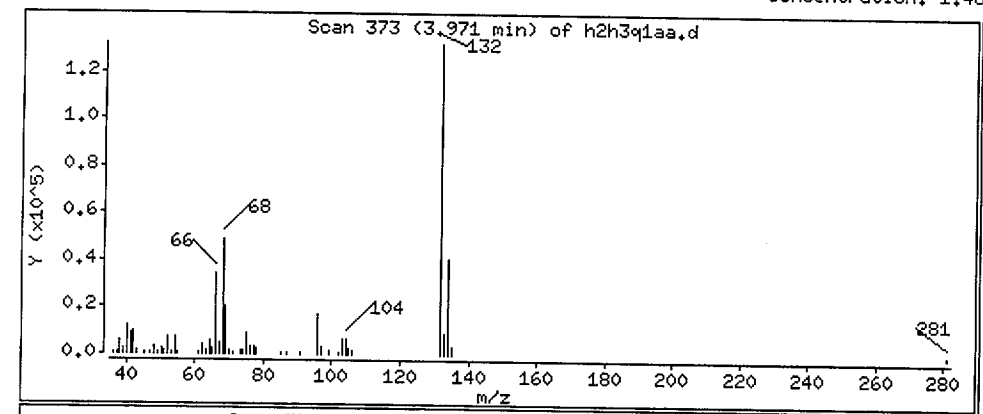
Operator: 60841

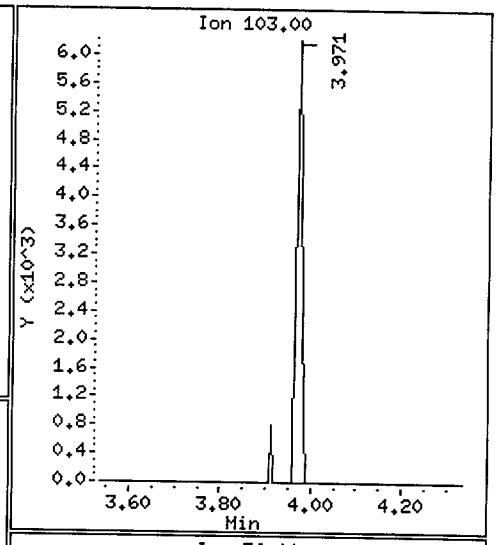
Column phase: ZB-5

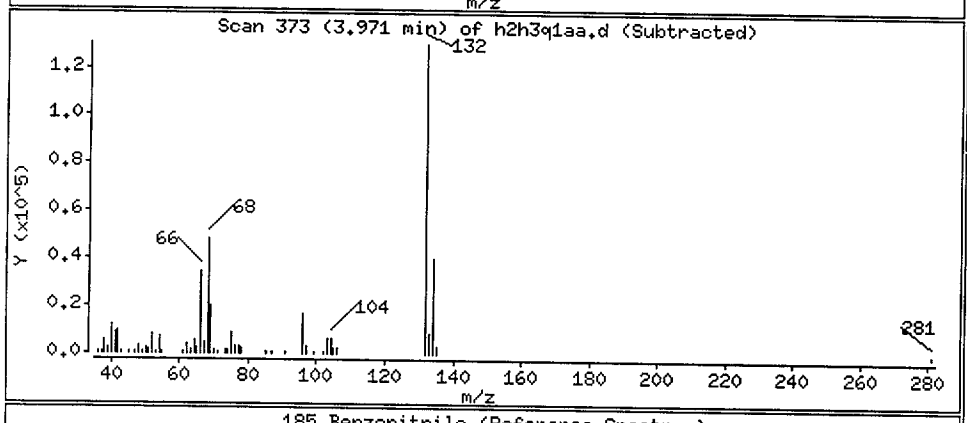
Column diameter: 0.25

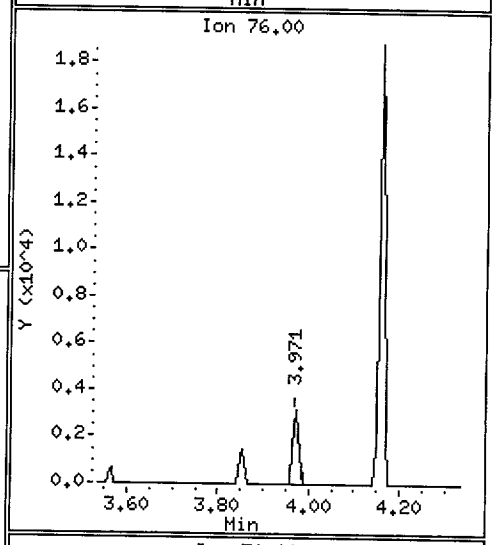
185 Benzonitrile

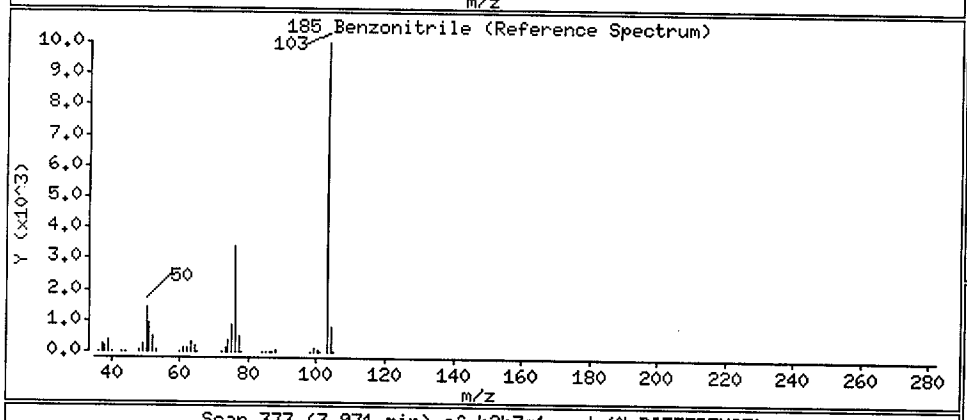
Concentration: 1.48 ug

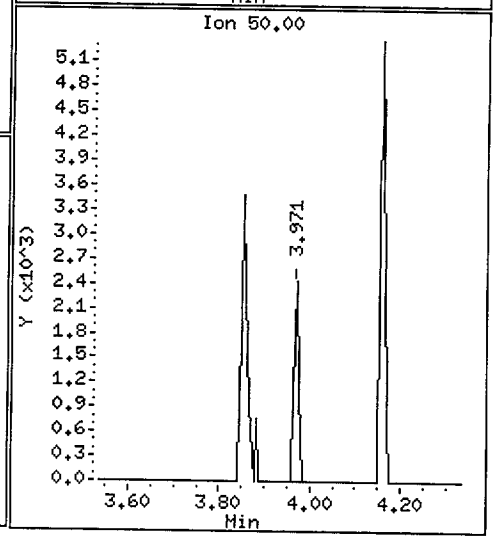


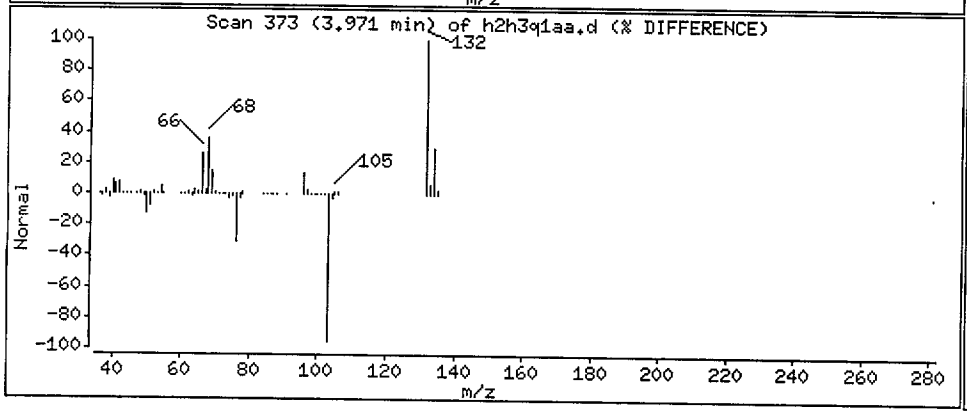












Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Report Date: 03-May-2006 10:25

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Lab Smp Id: H2H3Q1AA Client Smp ID: G-3021/3022-R2-MM5
Inj Date : 28-APR-2006 18:51
Operator : 60841 Inst ID: md.i
Smp Info : H2H3Q1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 10:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.44900	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	490517	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Penten-2-one, (E)-				CAS #: 3102-33-8			
2.026	230222	9.38691218	20.9	83	NIST05.1	1391	1
3-Hexen-2-one				CAS #: 763-93-9			
2.431	6840603	278.914003	621	91	NIST05.1	3102	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d
Report Date: 03-May-2006 10:25

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
2-Propenoic acid, 2-(acetylamino)-					CAS #: 5429-56-1		
2.525	418241	17.0530685	38.0	38	NIST05.l	12425	1
Heptane, 2,5-dimethyl-					CAS #: 2216-30-0		
2.702	124522	5.07717368	11.3	90	NIST05.l	12304	1
2-Pentanone, 4-hydroxy-4-methyl-					CAS #: 123-42-2		
2.749	4368446	178.115988	397	72	NIST05.l	7951	1
Diacetyl sulphide					CAS #: 3232-39-1		
2.954	186392	7.59981815	16.9	9	NIST05.l	8398	1
4-Methylcyclohexylamine					CAS #: 6321-23-9		
3.166	125682	5.12447071	11.4	58	NIST05.l	6809	1
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7		
3.971	440061	17.9427420	40.0	35	NIST05.l	13697	1
1,4-Dichlorobenzene-D4					CAS #: 3855-82-1		
4.353	363305	14.8131461	33.0	98	NIST05.l	23150	1
N,N'-Bis(2-methyl-2-nitrosopentan-4-one)					CAS #: 94514-30-4		
4.858	176292	7.18800776	16.0	37	NIST05.l	97096	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-MM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

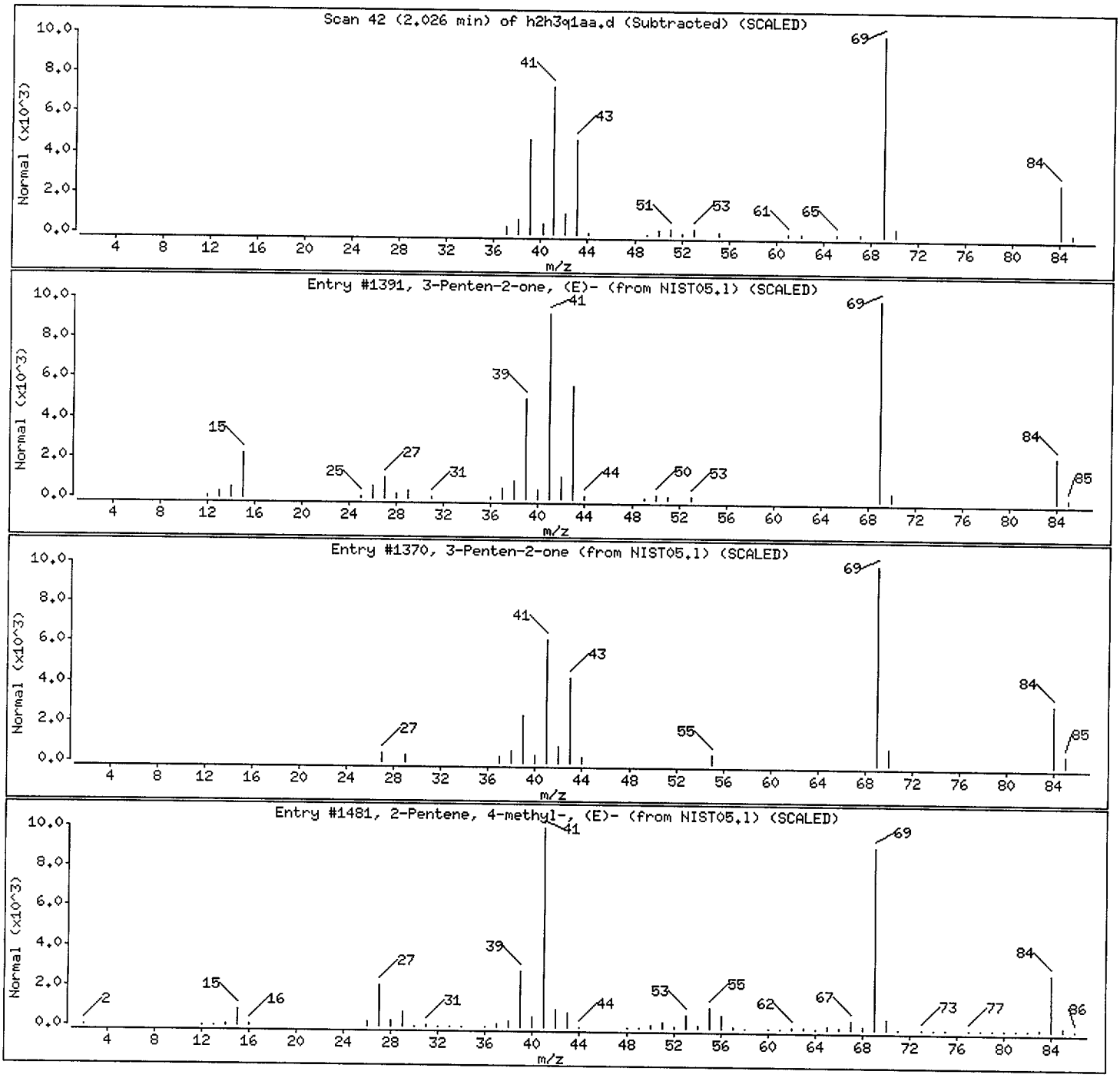
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, (E)-	3102-33-8	NIST05.1	1391	83	C5H8O	84
3-Penten-2-one	625-33-2	NIST05.1	1370	59	C5H8O	84
2-Pentene, 4-methyl-, (E)-	674-76-0	NIST05.1	1481	58	C6H12	84



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-MM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

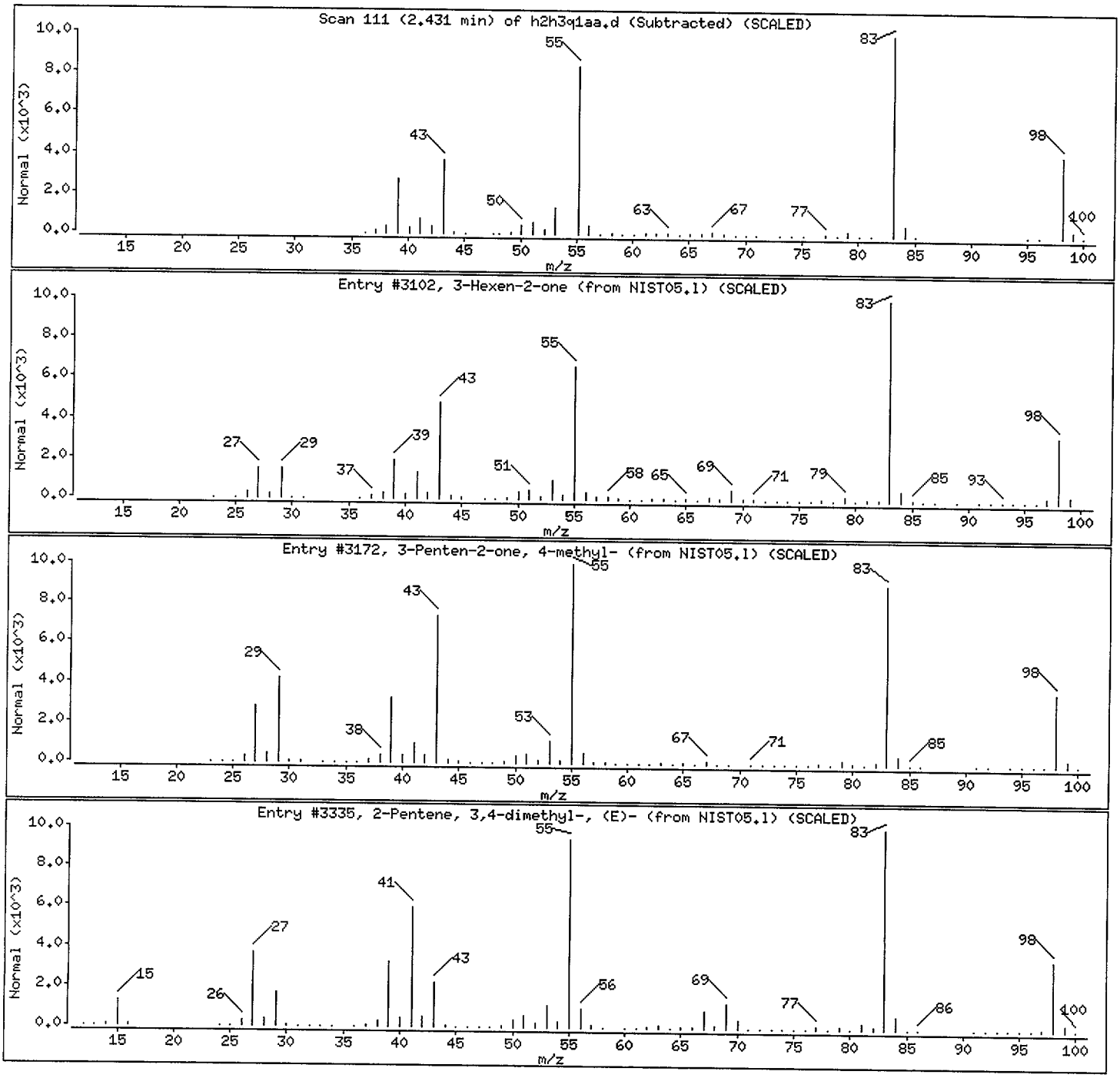
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hexen-2-one	763-93-9	NIST05.1	3102	91	C6H10O	98
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3172	91	C6H10O	98
2-Pentene, 3,4-dimethyl-, (E)-	4914-92-5	NIST05.1	3335	90	C7H14	98



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Date : 28-APR-2006 18:51

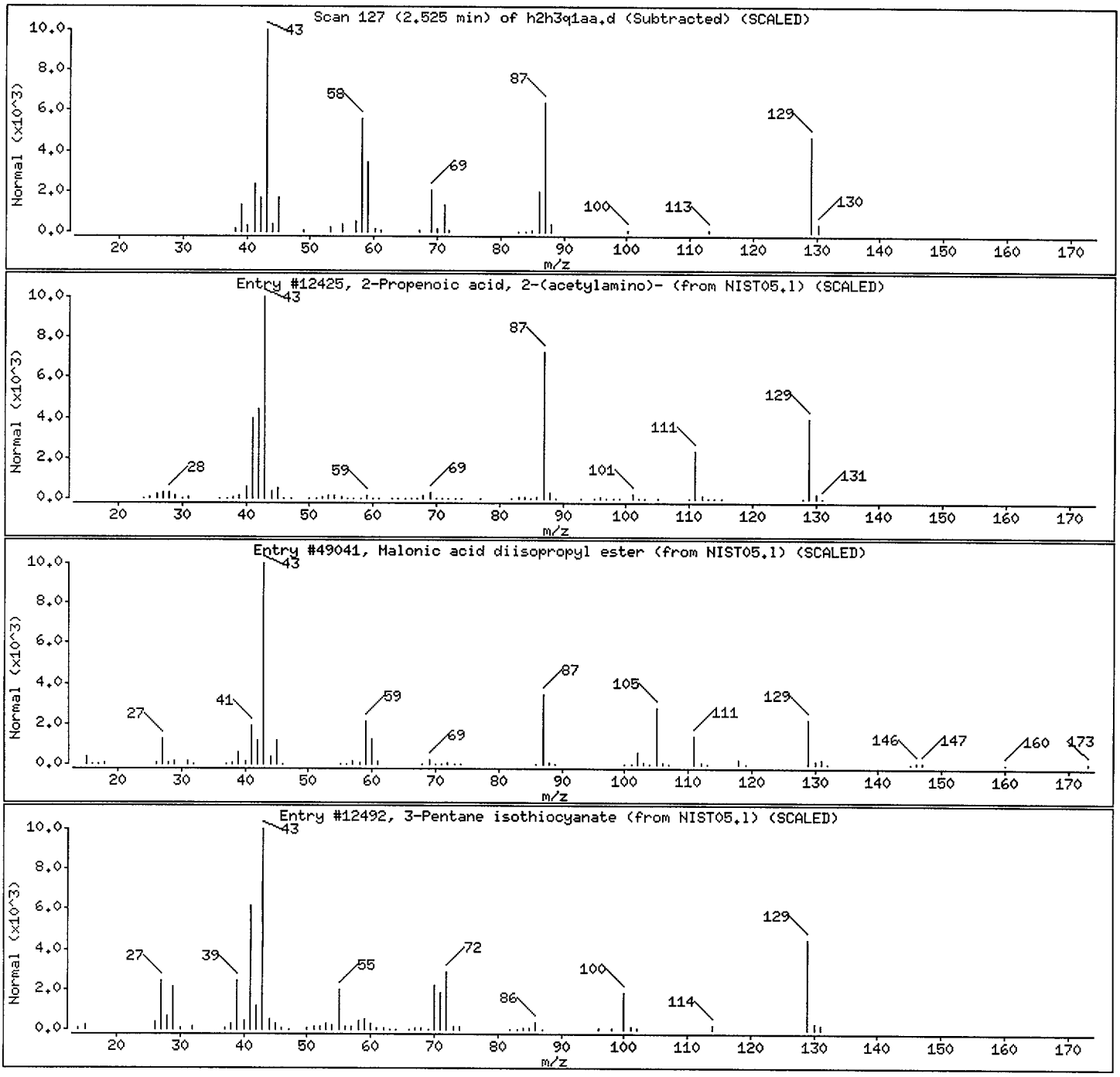
Client ID: G-3021/3022-R2-MM5 Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propenoic acid, 2-(acetylamino)-	5429-56-1	NIST05.l	12425	38	C5H7NO3	129
Malonic acid diisopropyl ester	13195-64-7	NIST05.l	49041	37	C9H16O4	188
3-Pentane isothiocyanate	201224-89-7	NIST05.l	12492	27	C6H11NS	129



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-MM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

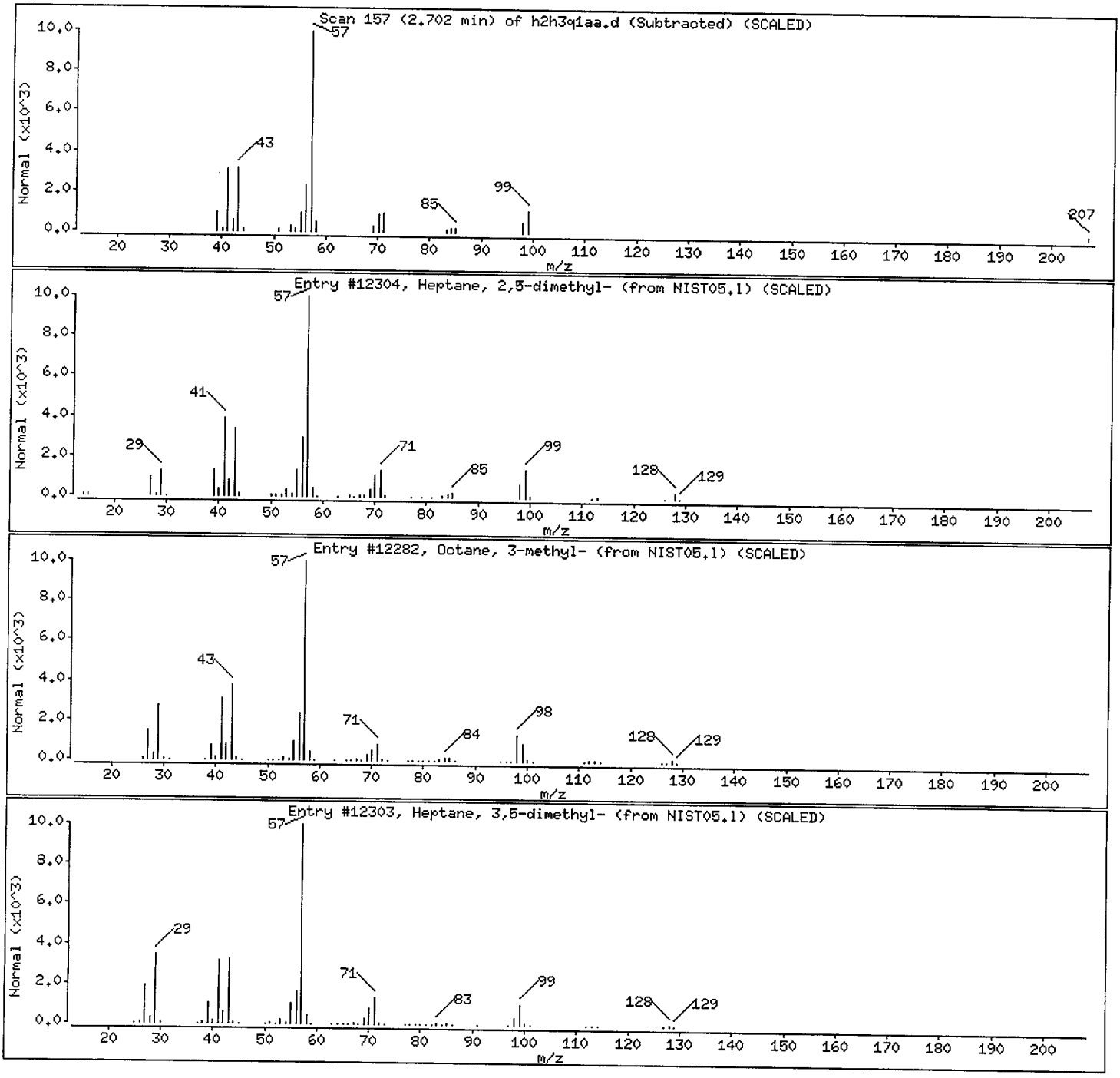
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.1	12304	90	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.1	12282	78	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.1	12303	59	C9H20	128



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

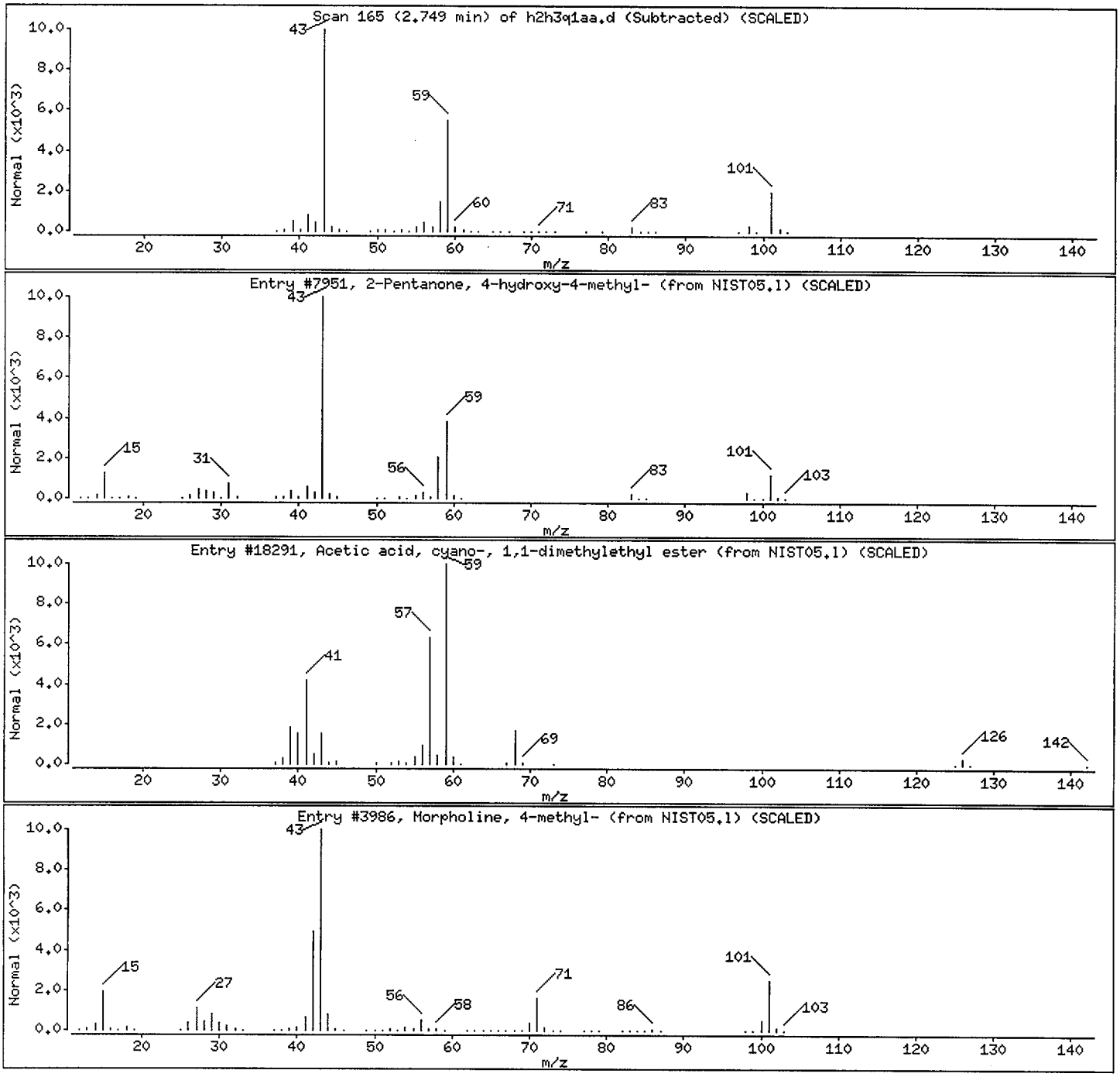
Client ID: G-3021/3022-R2-MM5 Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.l	7951	72	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.l	18291	17	C7H11NO2	141
Morpholine, 4-methyl-	109-02-4	NIST05.l	3986	9	C5H11NO	101



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

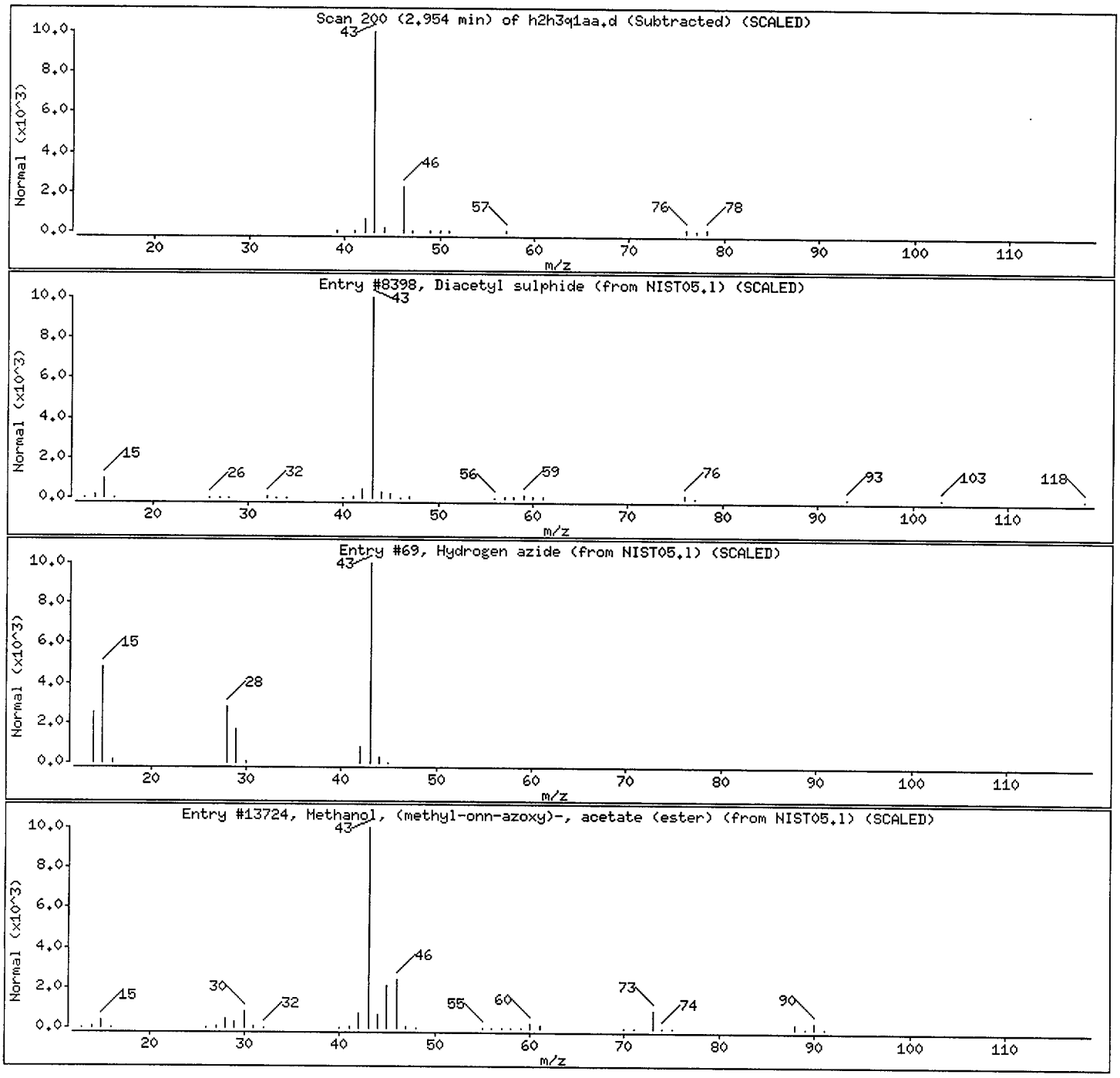
Client ID: G-3021/3022-R2-MM5 Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Diacetyl sulphide	3232-39-1	NIST05.1	8398	9	C4H6O2S	118
Hydrogen azide	7782-79-8	NIST05.1	69	4	HN3	43
Methanol, (methyl-onn-azoxy)-, acetate (	592-62-1	NIST05.1	13724	4	C4H8N2O3	132



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

Client ID: G-3021/3022-R2-HM5

Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

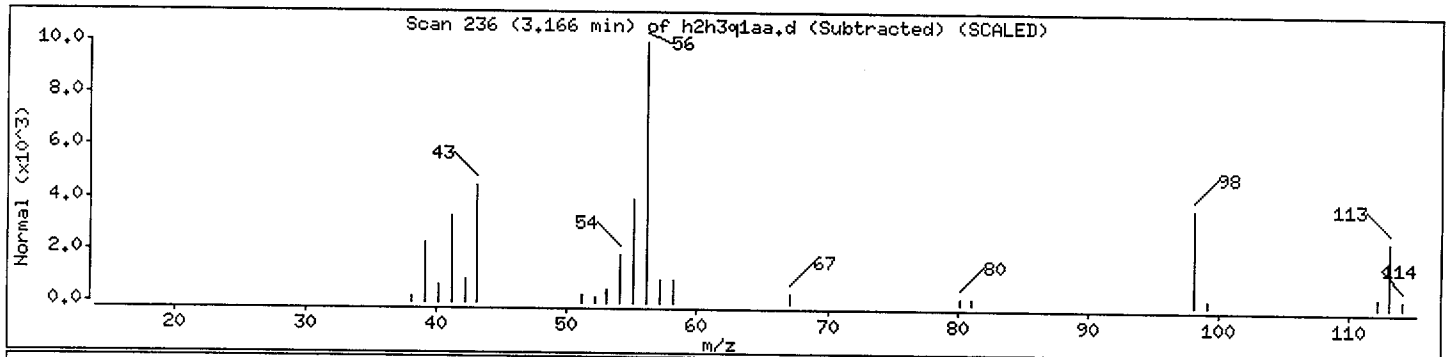
Volume Injected (uL): 1.0

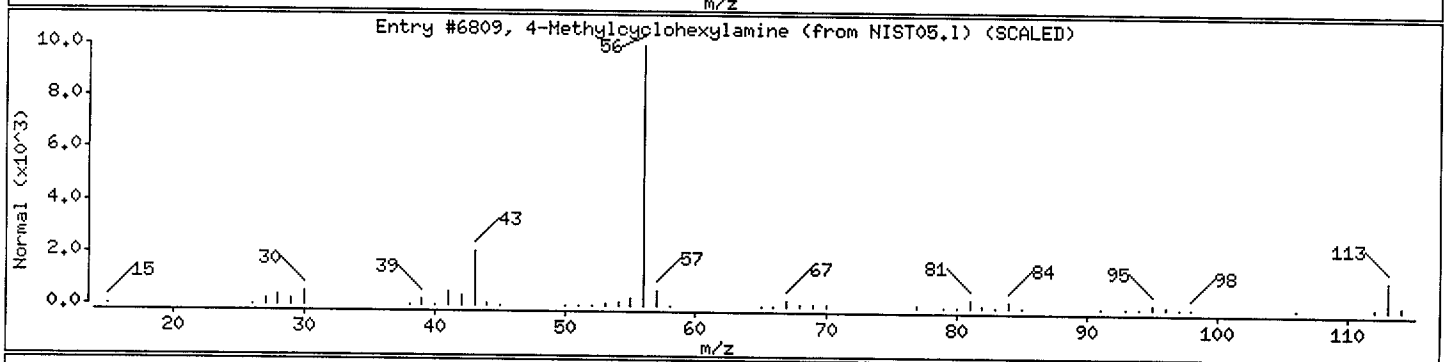
Operator: 60841

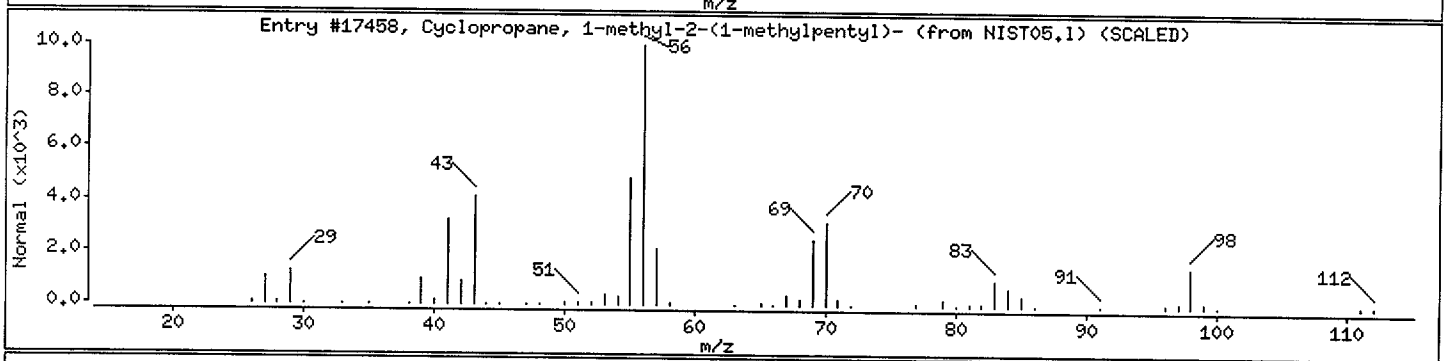
Column phase: ZB-5

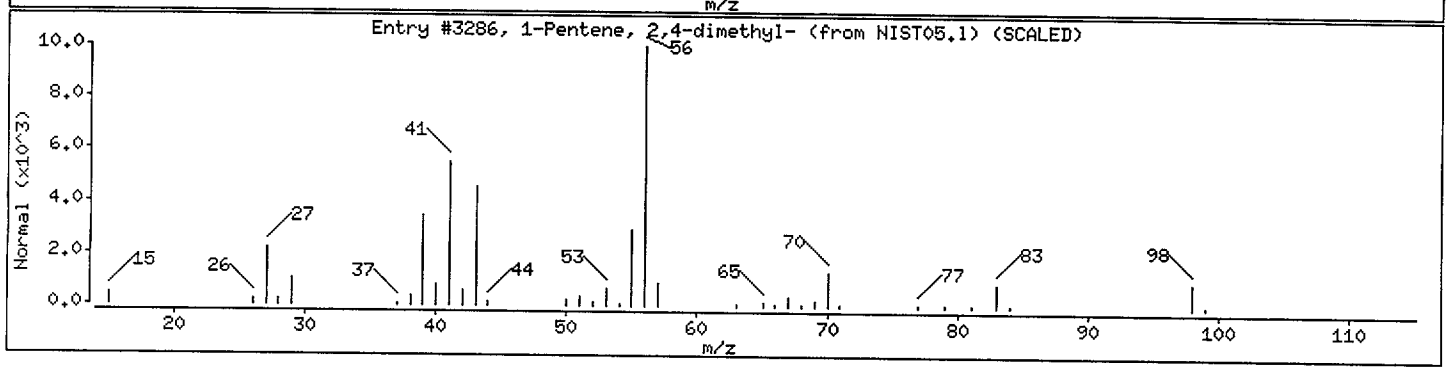
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
4-Methylcyclohexylamine	6321-23-9	NIST05.1	6809	58	C7H15N	113
Cyclopropane, 1-methyl-2-(1-methylpentyl	62238-06-6	NIST05.1	17458	40	C10H20	140
1-Pentene, 2,4-dimethyl-	2213-32-3	NIST05.1	3286	33	C7H14	98









Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

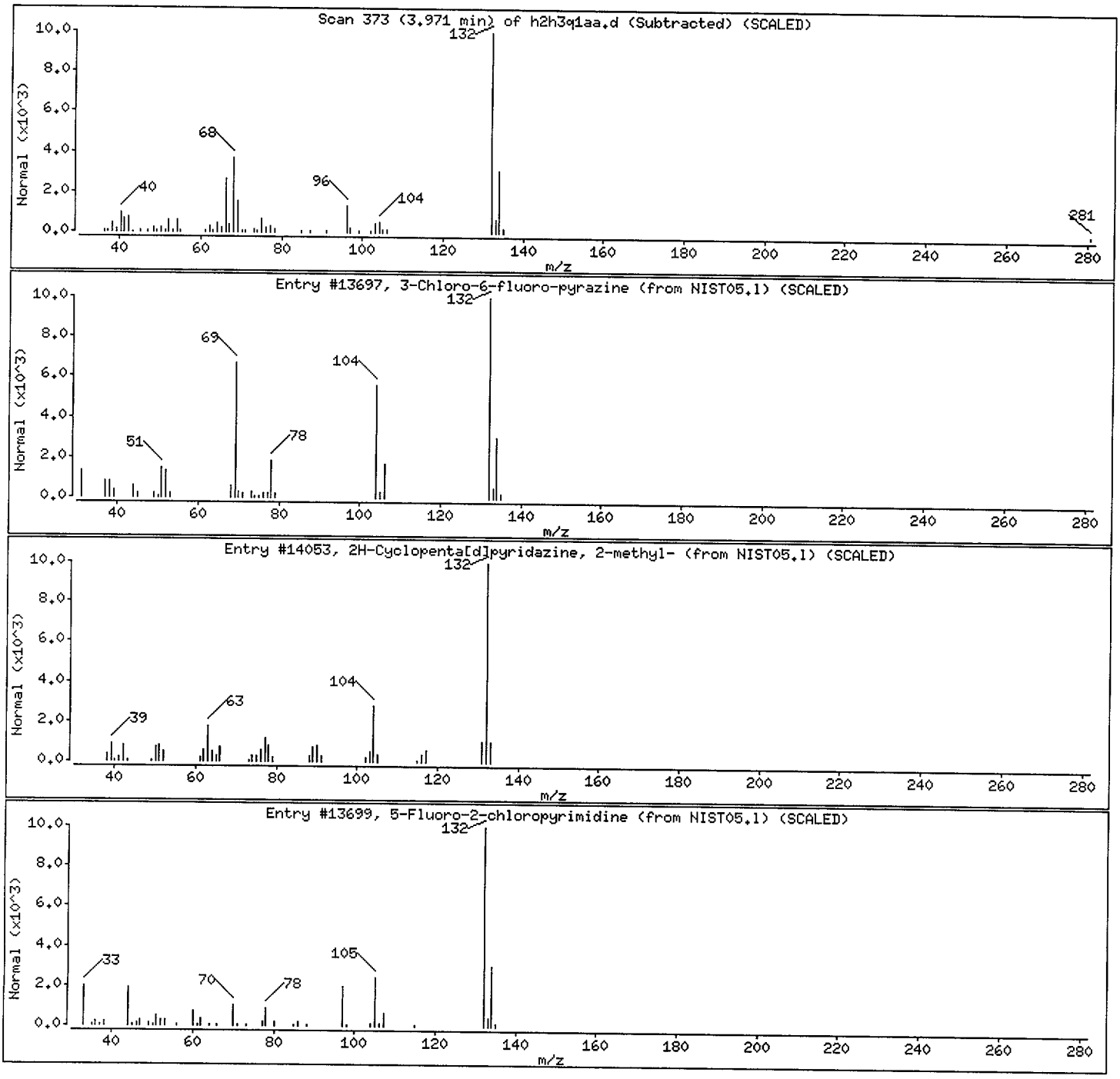
Client ID: G-3021/3022-R2-MM5 Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
2H-Cyclopenta[d]pyridazine, 2-methyl-	22291-85-6	NIST05.1	14053	22	C8H8N2	132
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	17	C4H2ClFN2	132



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

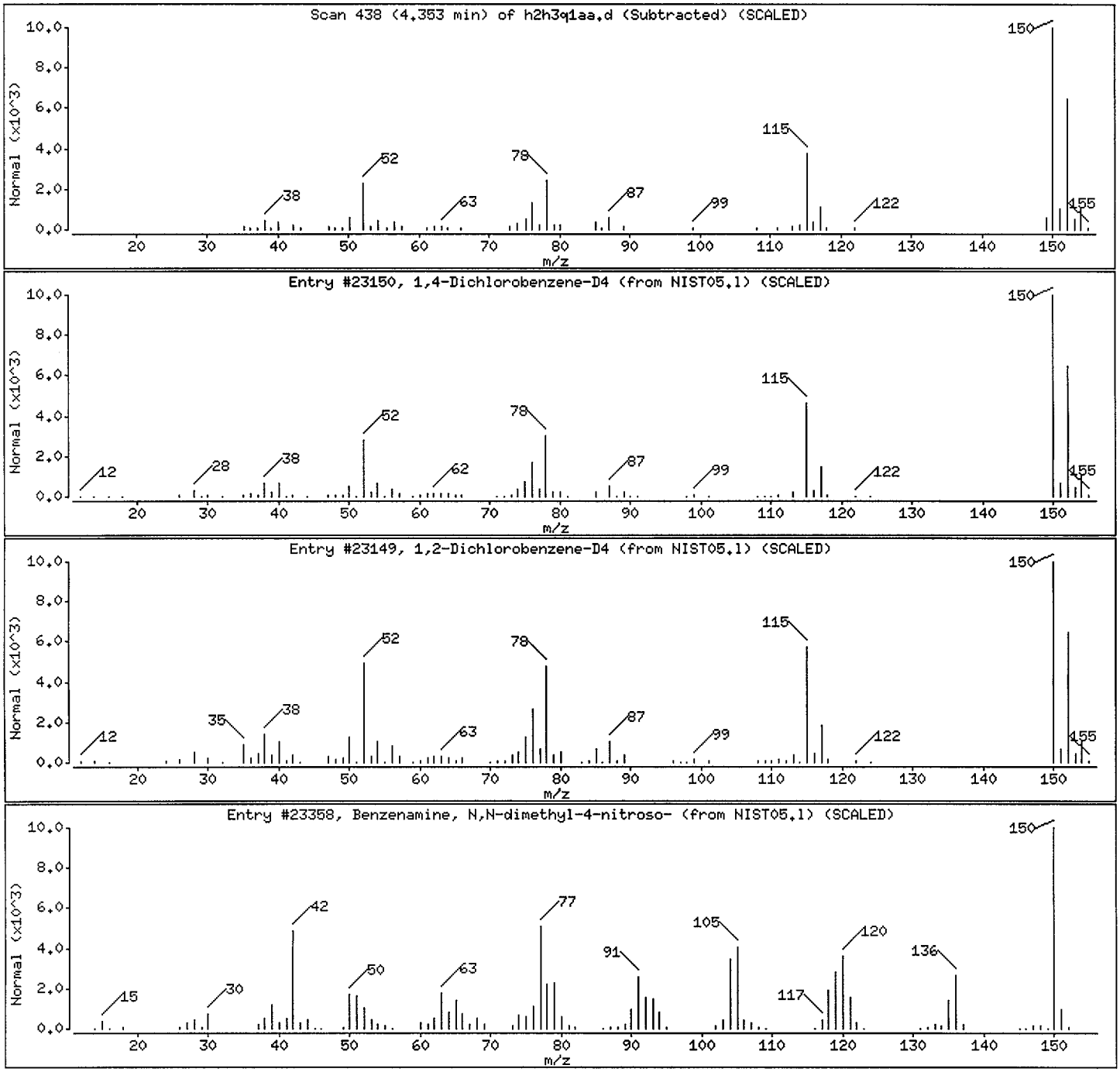
Client ID: G-3021/3022-R2-MM5 Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	98	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	97	C6D4Cl2	150
Benzenamine, N,N-dimethyl-4-nitroso-	138-89-6	NIST05.1	23358	27	C8H10N2O	150



Data File: /var/chem/gcms/md.i/D042806.b/h2h3q1aa.d

Date : 28-APR-2006 18:51

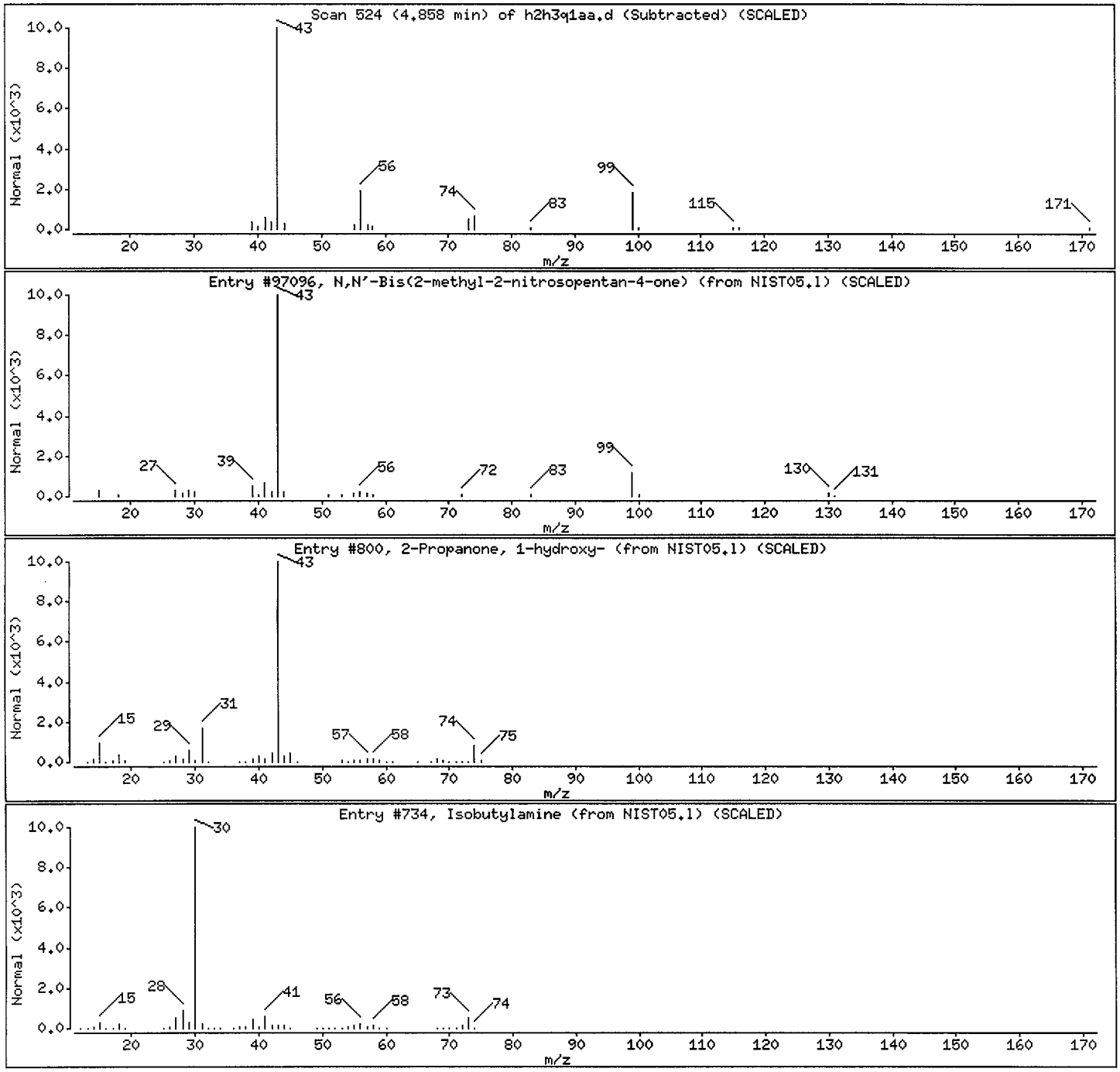
Client ID: G-3021/3022-R2-MM5 Instrument: md.i

Sample Info: H2H3Q1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
N,N'-Bis(2-methyl-2-nitrosopentan-4-one)	94514-30-4	NIST05.1	97096	37	C12H22N2O4	258
2-Propanone, 1-hydroxy-	116-09-6	NIST05.1	800	9	C3H6O2	74
Isobutylamine	78-81-9	NIST05.1	734	9	C4H11N	73



STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Lab Smp Id: H2H3R1AA Client Smp ID: G-3023/3024-R2-MM5
Inj Date : 28-APR-2006 16:07
Operator : 60841 Inst ID: md.i
Smp Info : H2H3R1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:40 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

050506

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	71153	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	235167	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	172168	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	300004	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	302665	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	264083	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	188792	37.9414	37.9
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	250971	41.8134	41.8
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	149467	28.1958	28.2
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	370179	32.6144	32.6
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	68920	36.2296	36.2
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	610705	41.4845	41.5
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	3591	1.07568	~~1.08~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Report Date: 01-May-2006 13:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	8757	0.79432	0.794
84 Benzidine	184	11.204	11.016	(1.129)	7368	0.59920	~~0.599~~
184 Benzaldehyde	105	3.971	3.742	(0.955)	4039	1.24313	~~1.24~~
185 Benzonitrile	103	3.971	3.935	(0.955)	9533	1.31014	~~1.31~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3r1aa.d
Lab Smp Id: H2H3R1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3023/3024-R2-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	71153	15.67
2 Naphthalene-d8	201763	100882	403526	235167	16.56
3 Acenaphthene-d10	143273	71636	286546	172168	20.17
4 Phenanthrene-d10	247023	123512	494046	300004	21.45
5 Chrysene-d12	265356	132678	530712	302665	14.06
6 Perylene-d12	233795	116898	467590	264083	12.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.11
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H3R1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

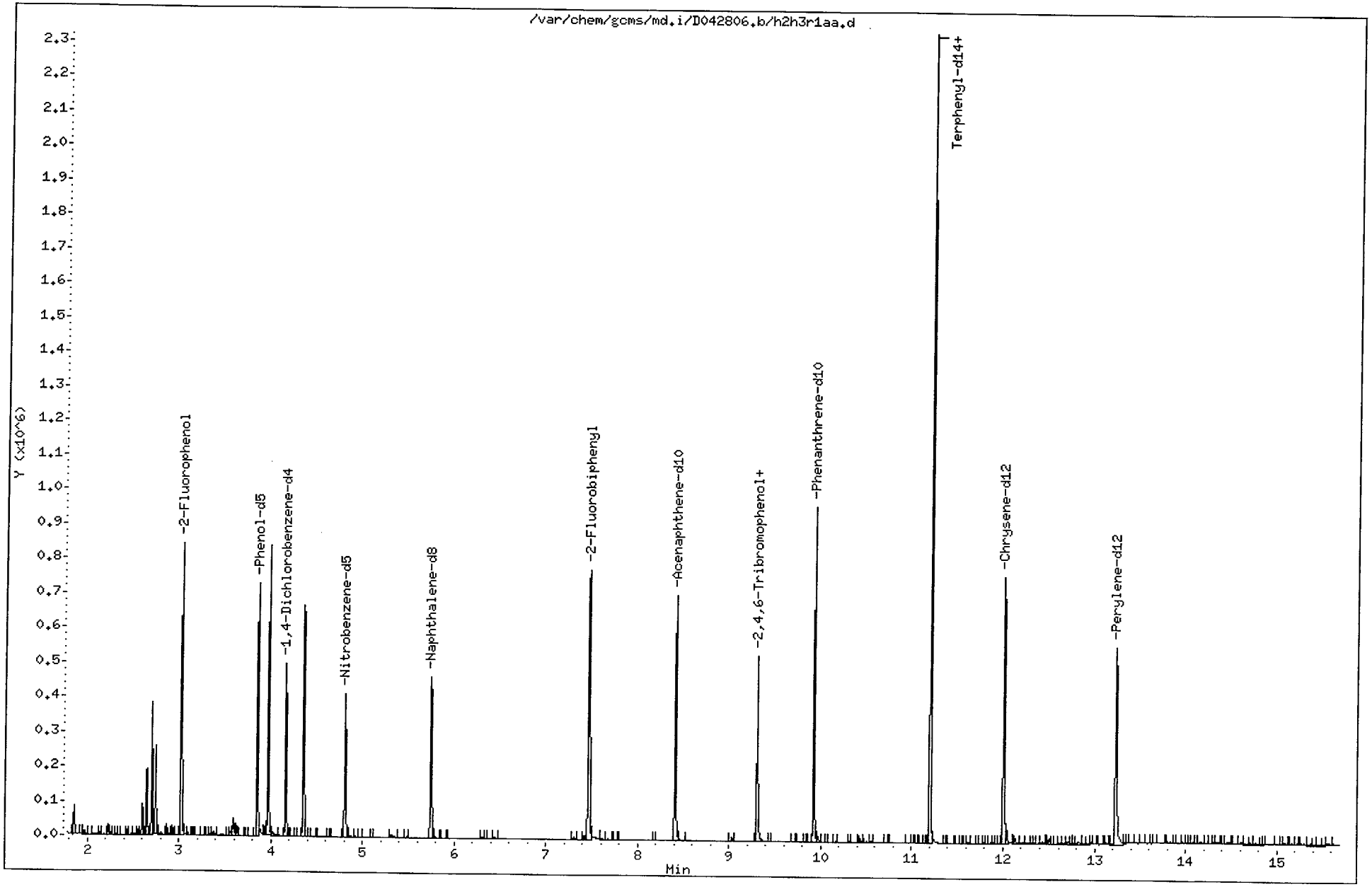
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3023/3024-R2-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	37.9	50.59	19-100
$ 8 Phenol-d5	75.0	41.8	55.75	15-124
$ 9 Nitrobenzene-d5	50.0	28.2	56.39	42-104
$ 10 2-Fluorobiphenyl	50.0	32.6	65.23	51-103
$ 11 2,4,6-Tribromophen	75.0	36.2	48.31	33-130
$ 12 Terphenyl-d14	50.0	41.5	82.97	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Date : 28-APR-2006 16:07
Client ID: G-3023/3024-R2-MM5
Sample Info: H2H3R1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

Client ID: G-3023/3024-R2-MM5

Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0

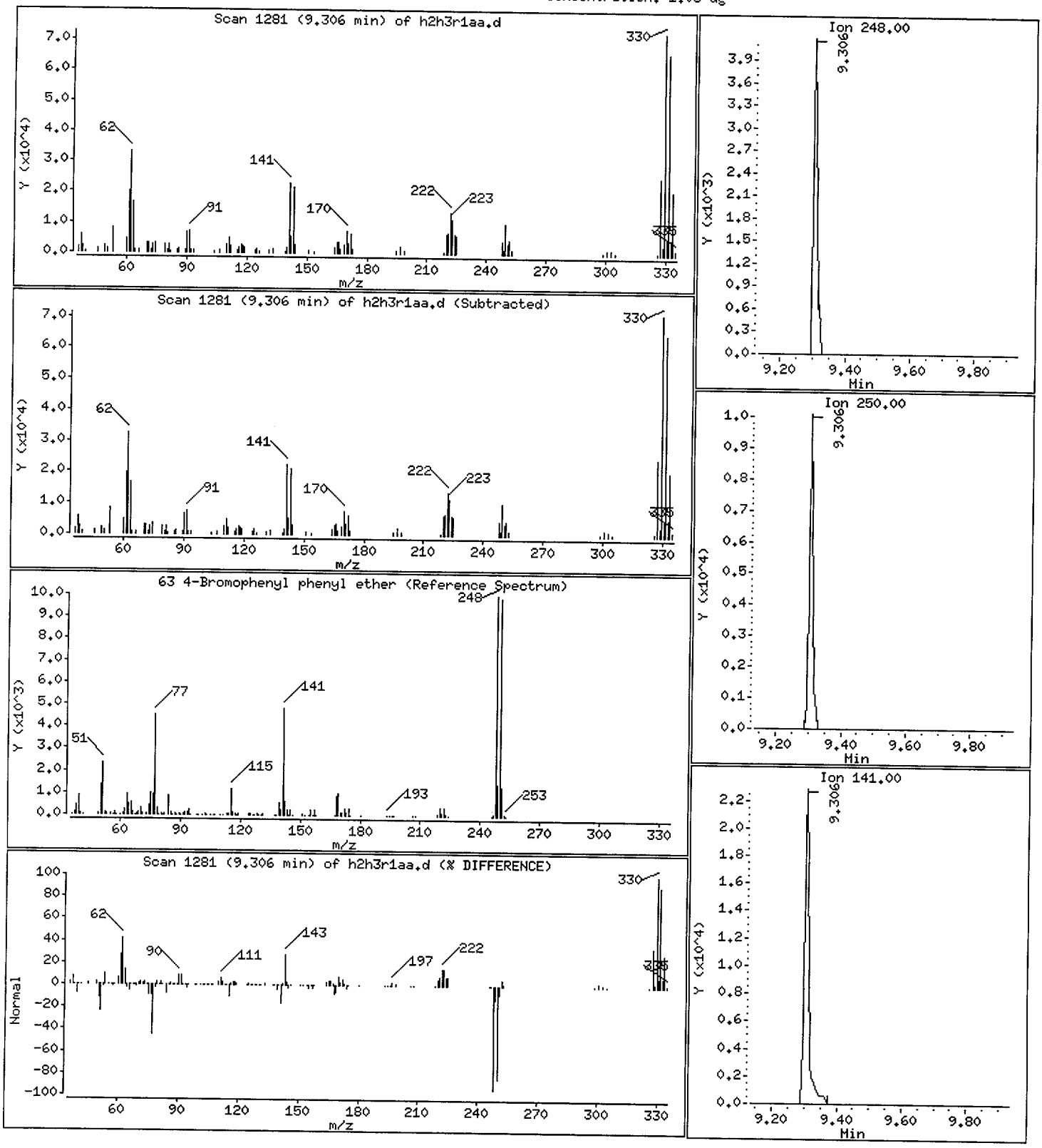
Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

63 4-Bromophenyl phenyl ether

Concentration: 1.08 ug



Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

Client ID: G-3023/3024-R2-MM5

Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0

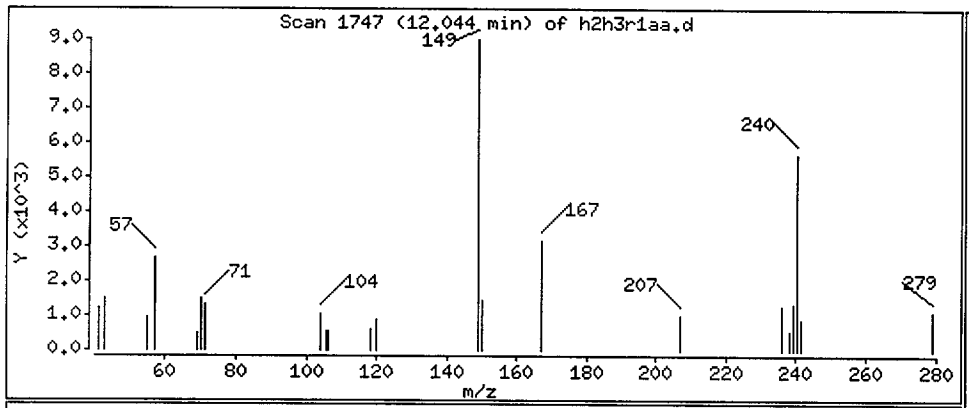
Operator: 60841

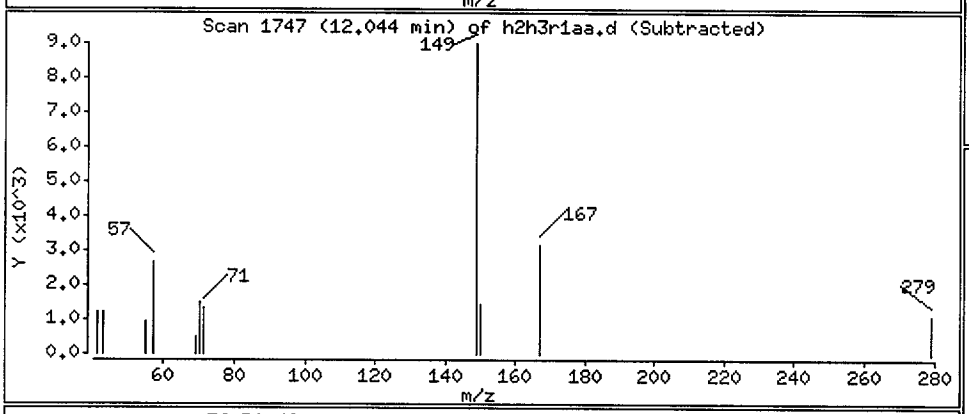
Column phase: ZB-5

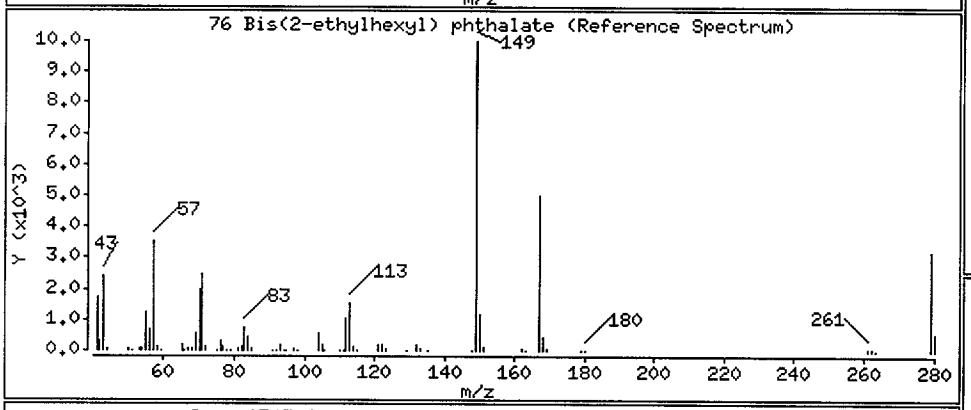
Column diameter: 0.25

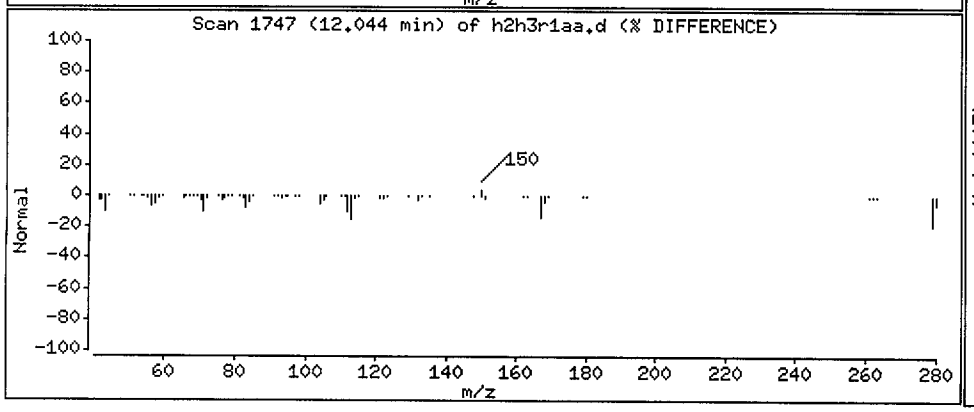
76 Bis(2-ethylhexyl) phthalate

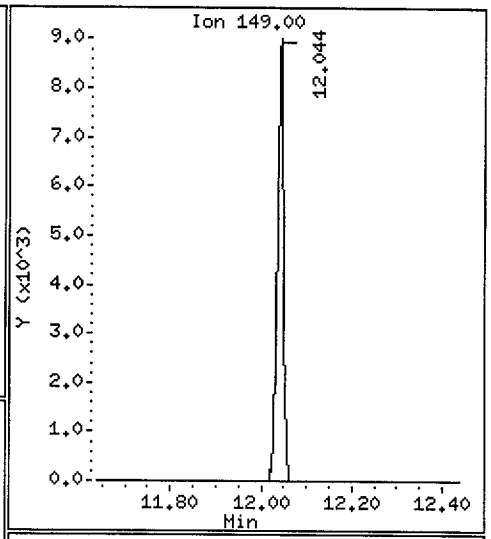
Concentration: 0.794 ug

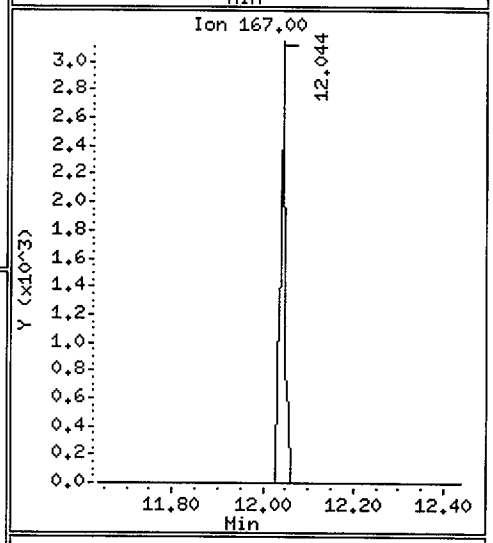


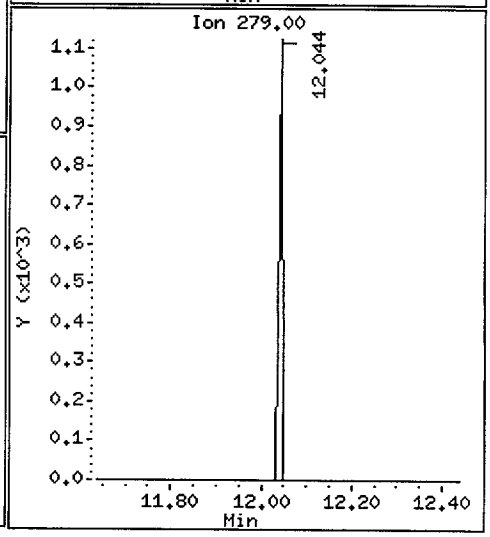












Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

Client ID: G-3023/3024-R2-MM5

Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0

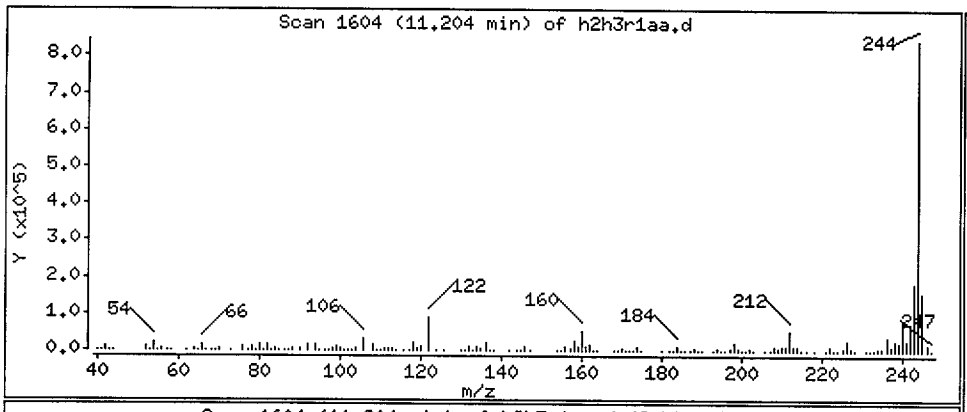
Operator: 60841

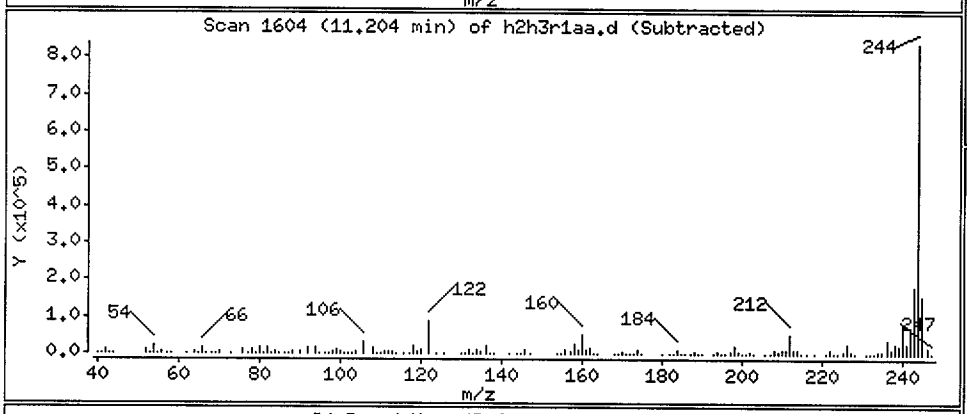
Column phase: ZB-5

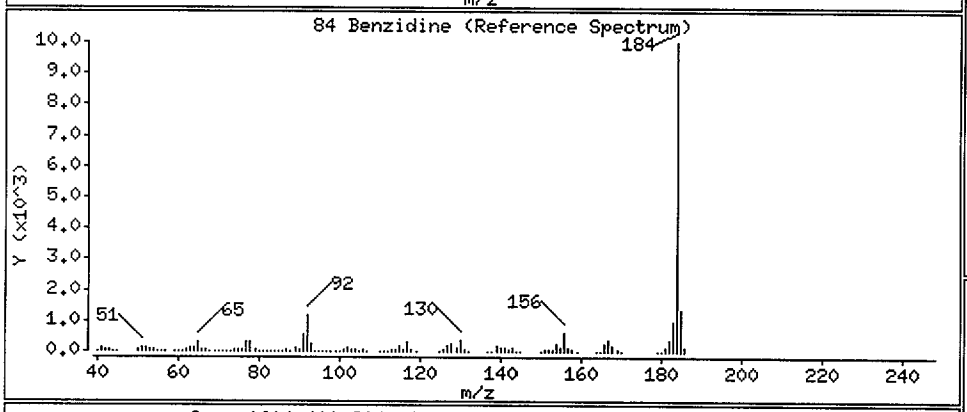
Column diameter: 0.25

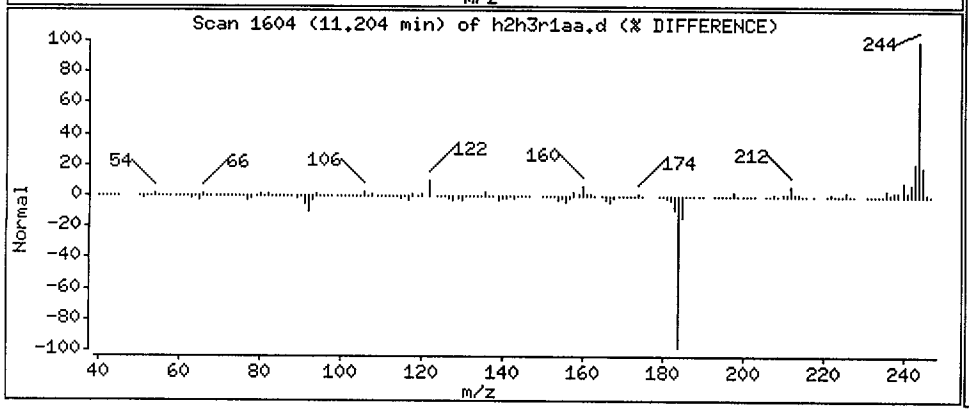
84 Benzidine

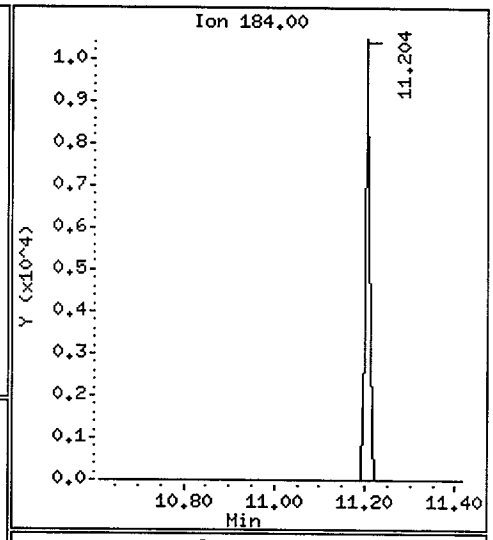
Concentration: 0.599 ug

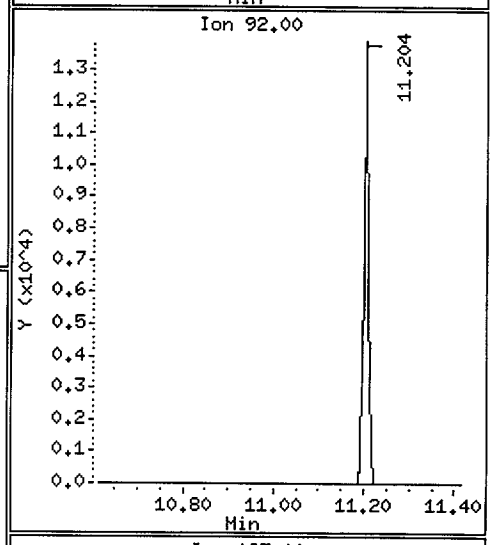


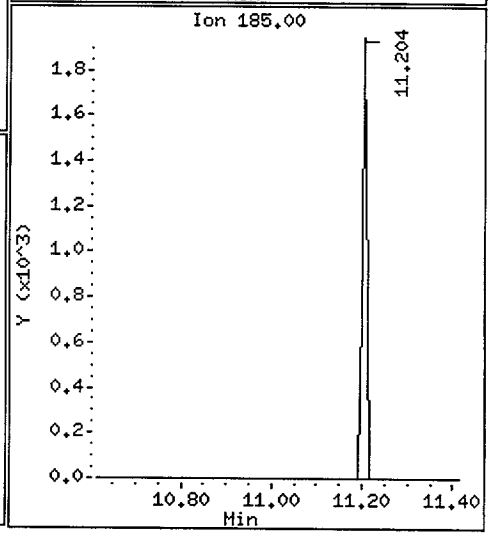












Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

Client ID: G-3023/3024-R2-MM5

Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0

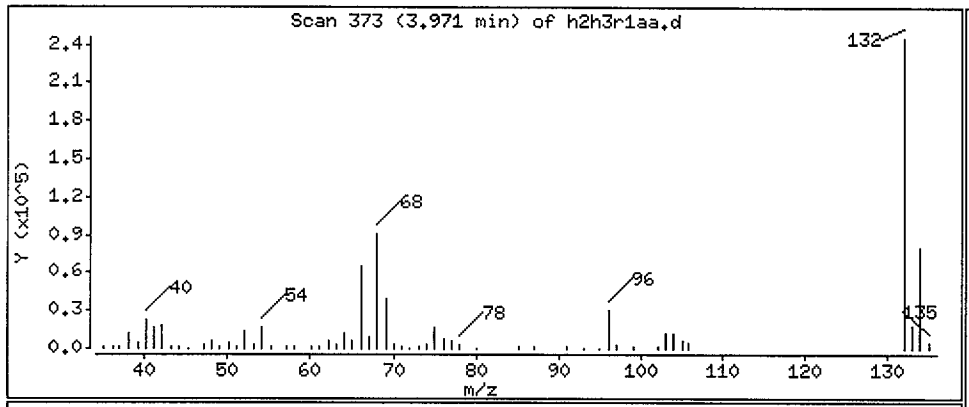
Operator: 60841

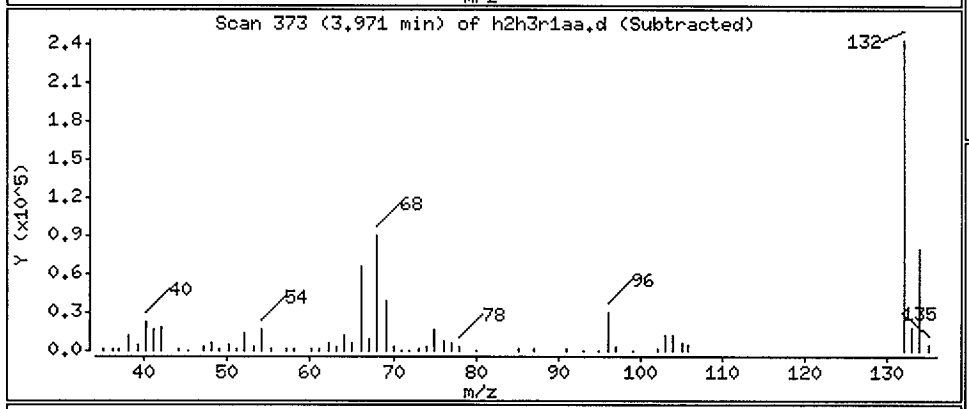
Column phase: ZB-5

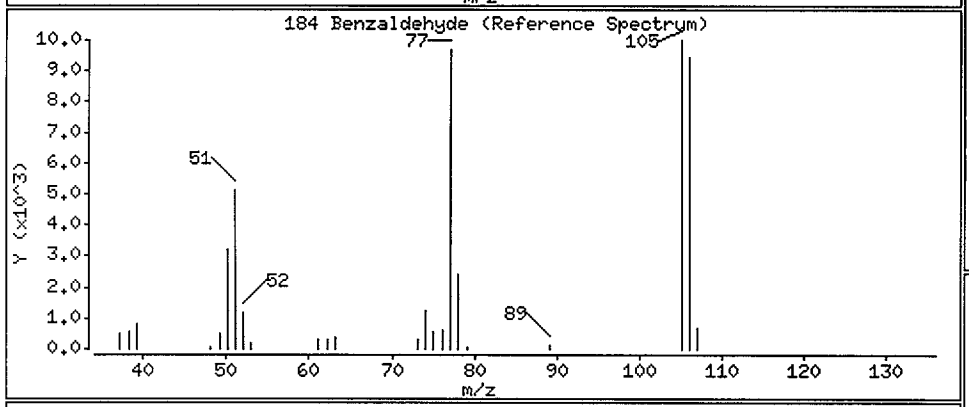
Column diameter: 0.25

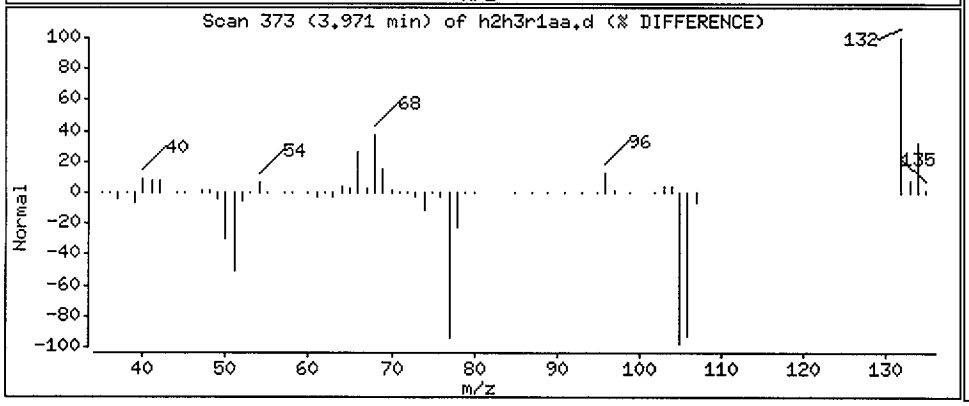
184 Benzaldehyde

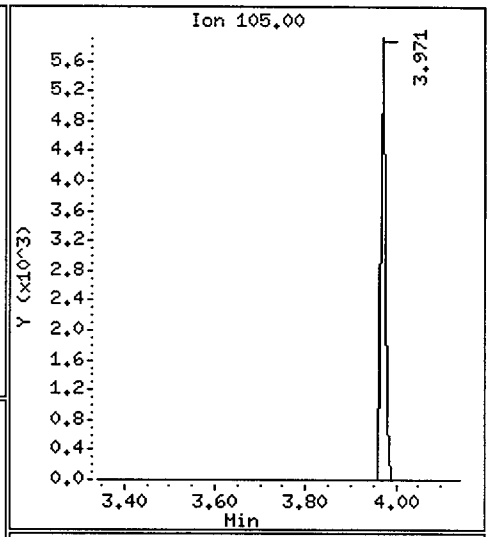
Concentration: 1.24 ug

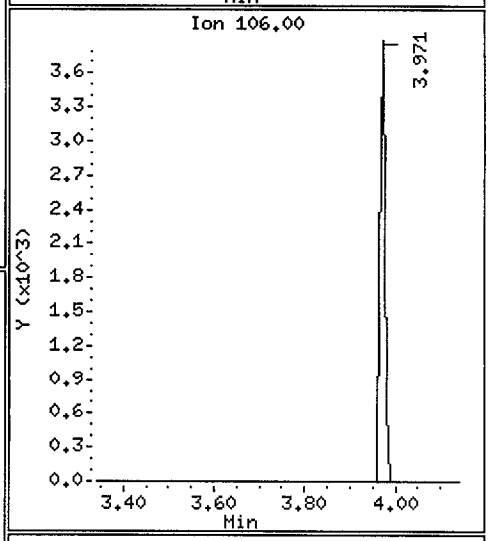


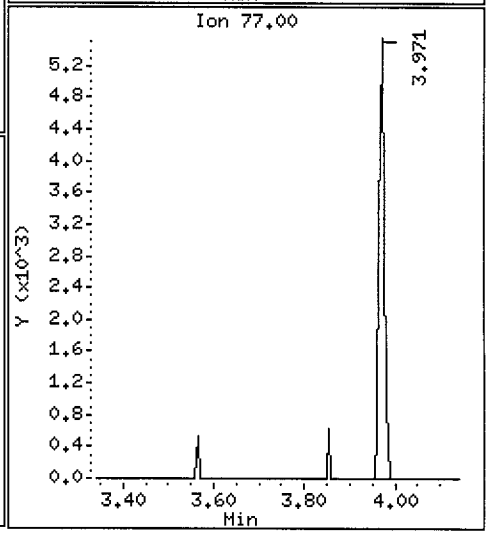












Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

Client ID: G-3023/3024-R2-MM5

Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0

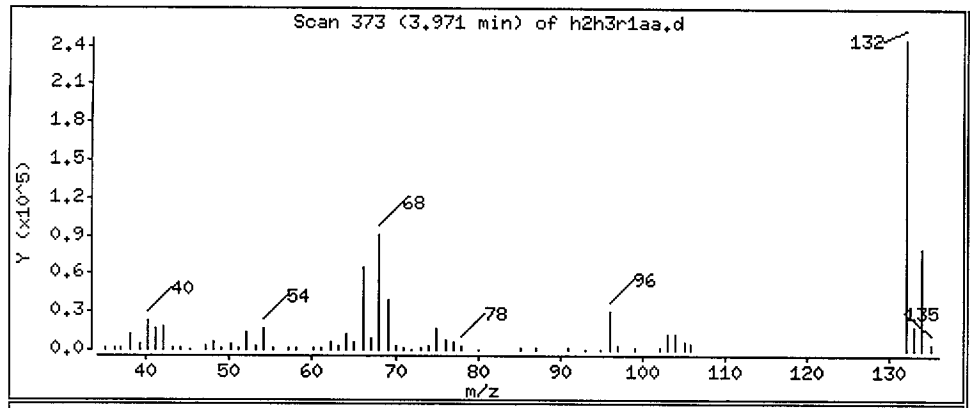
Operator: 60841

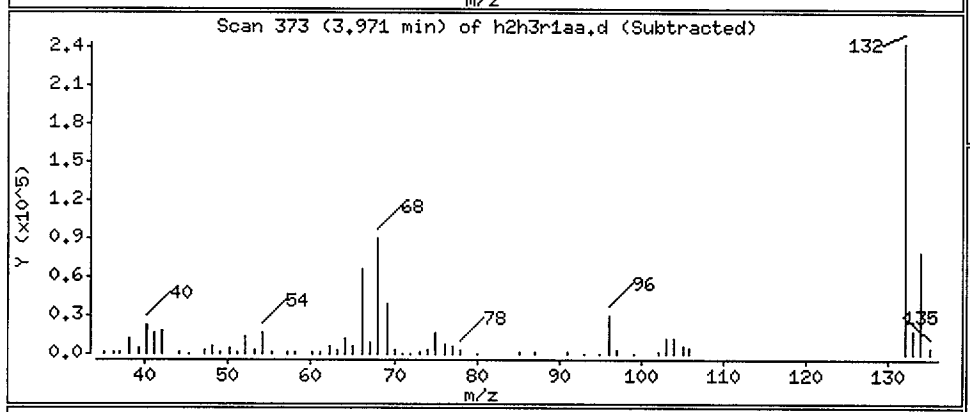
Column phase: ZB-5

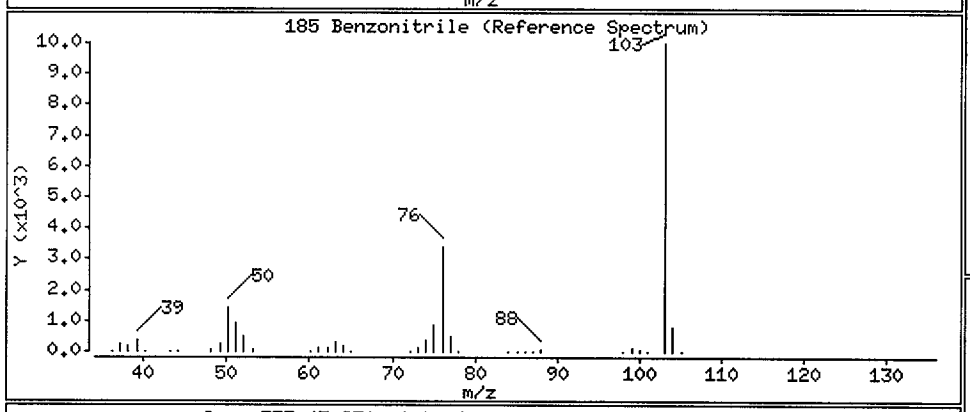
Column diameter: 0.25

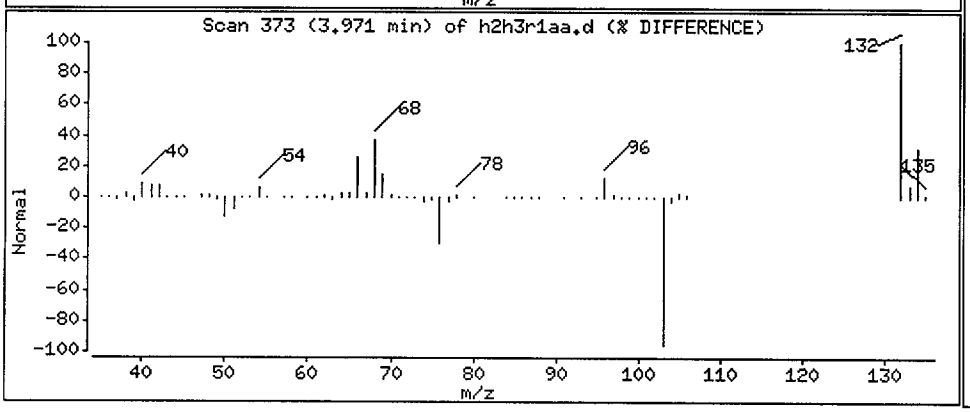
185 Benzonitrile

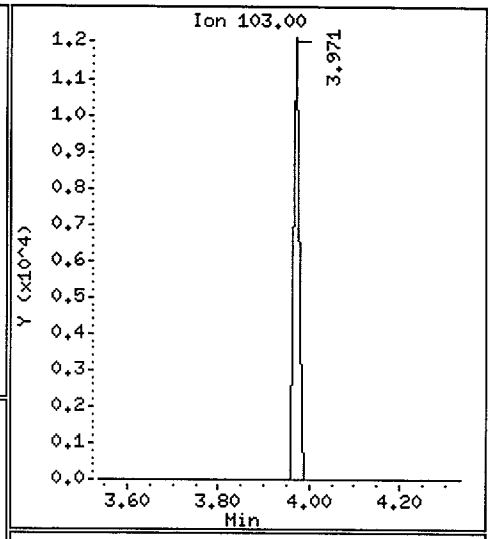
Concentration: 1.31 ug

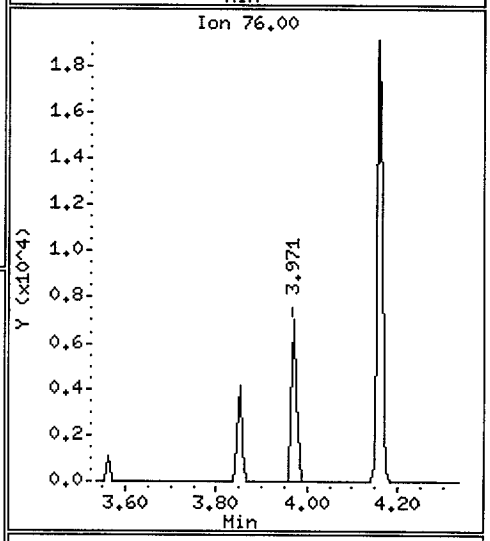


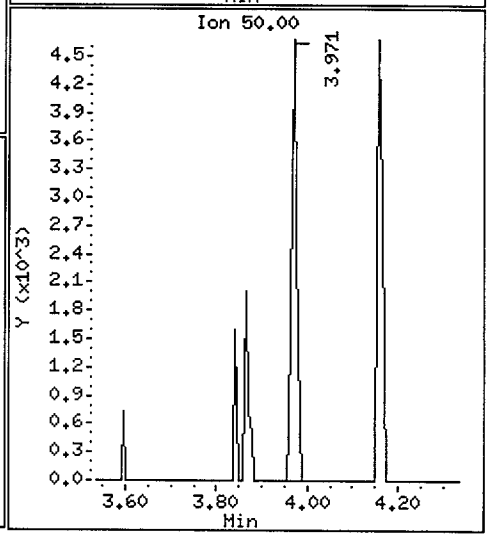












Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Report Date: 01-May-2006 14:13

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Lab Smp Id: H2H3R1AA Client Smp ID: G-3023/3024-R2-MM5
Inj Date : 28-APR-2006 16:07
Operator : 60841 Inst ID: md.i
Smp Info : H2H3R1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:56 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	497898	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
Heptane, 2,6-dimethyl-				CAS #: 1072-05-5			
2.655	190988	7.67177213	7.67	83	NIST05.1	12297	1
Heptane, 2,5-dimethyl-				CAS #: 2216-30-0			
2.708	384570	15.4477423	15.4	94	NIST05.1	12291	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d
Report Date: 01-May-2006 14:13

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
2-Pentanone, 4-hydroxy-4-methyl-					CAS #: 123-42-2		
2.749	255175	10.2500914	10.2	33	NIST05.l	7952	1
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7		
3.971	834466	33.5195562	33.5	35	NIST05.l	13697	1
1,4-Dichlorobenzene-D4					CAS #: 3855-82-1		
4.353	666318	26.7652411	26.8	96	NIST05.l	23150	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

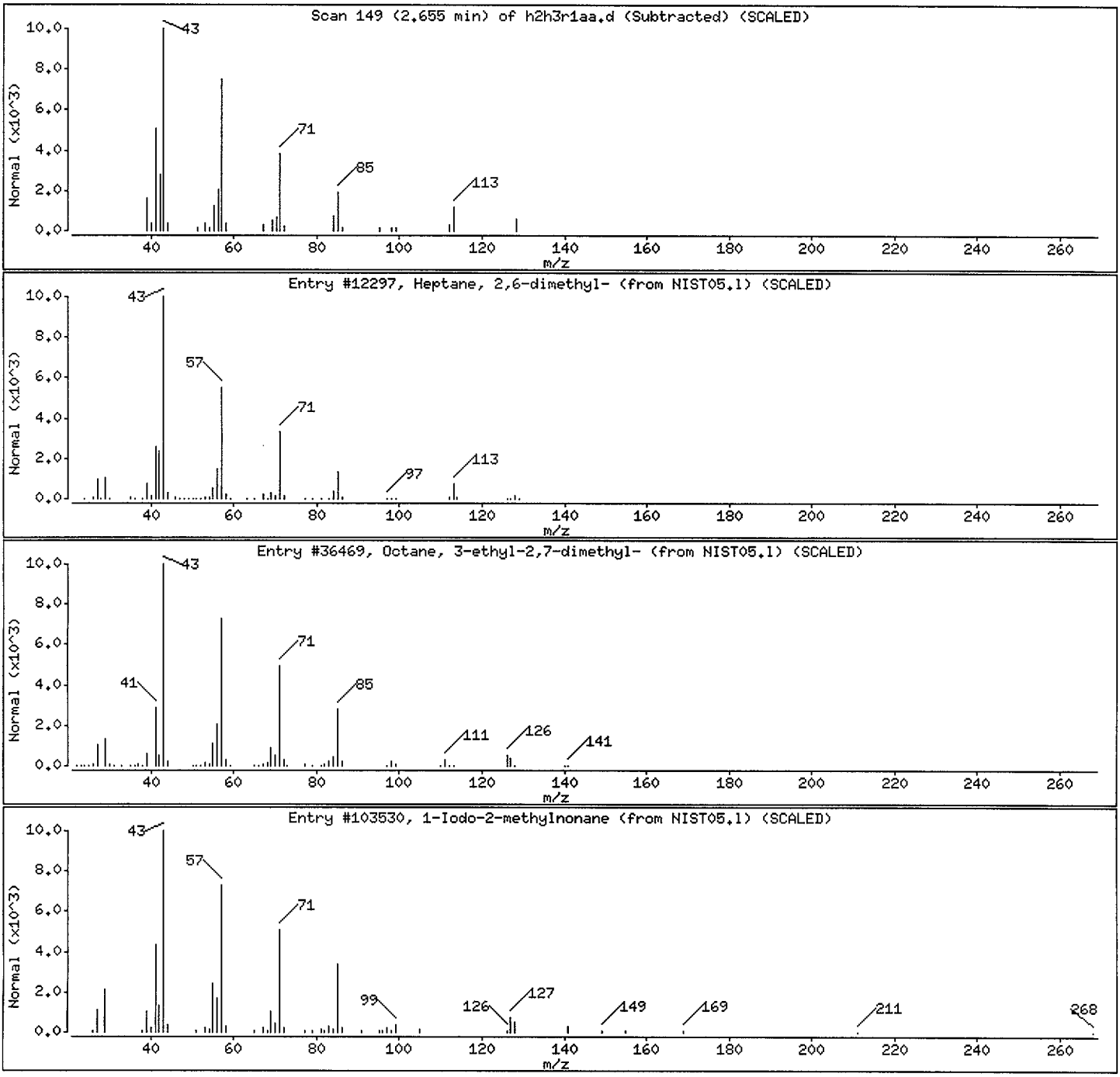
Client ID: G-3023/3024-R2-MM5 Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,6-dimethyl-	1072-05-5	NIST05.1	12297	83	C9H20	128
Octane, 3-ethyl-2,7-dimethyl-	62183-55-5	NIST05.1	36469	59	C12H26	170
1-Iodo-2-methylnonane	1000101-47-9	NIST05.1	103530	59	C10H21I	268



Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

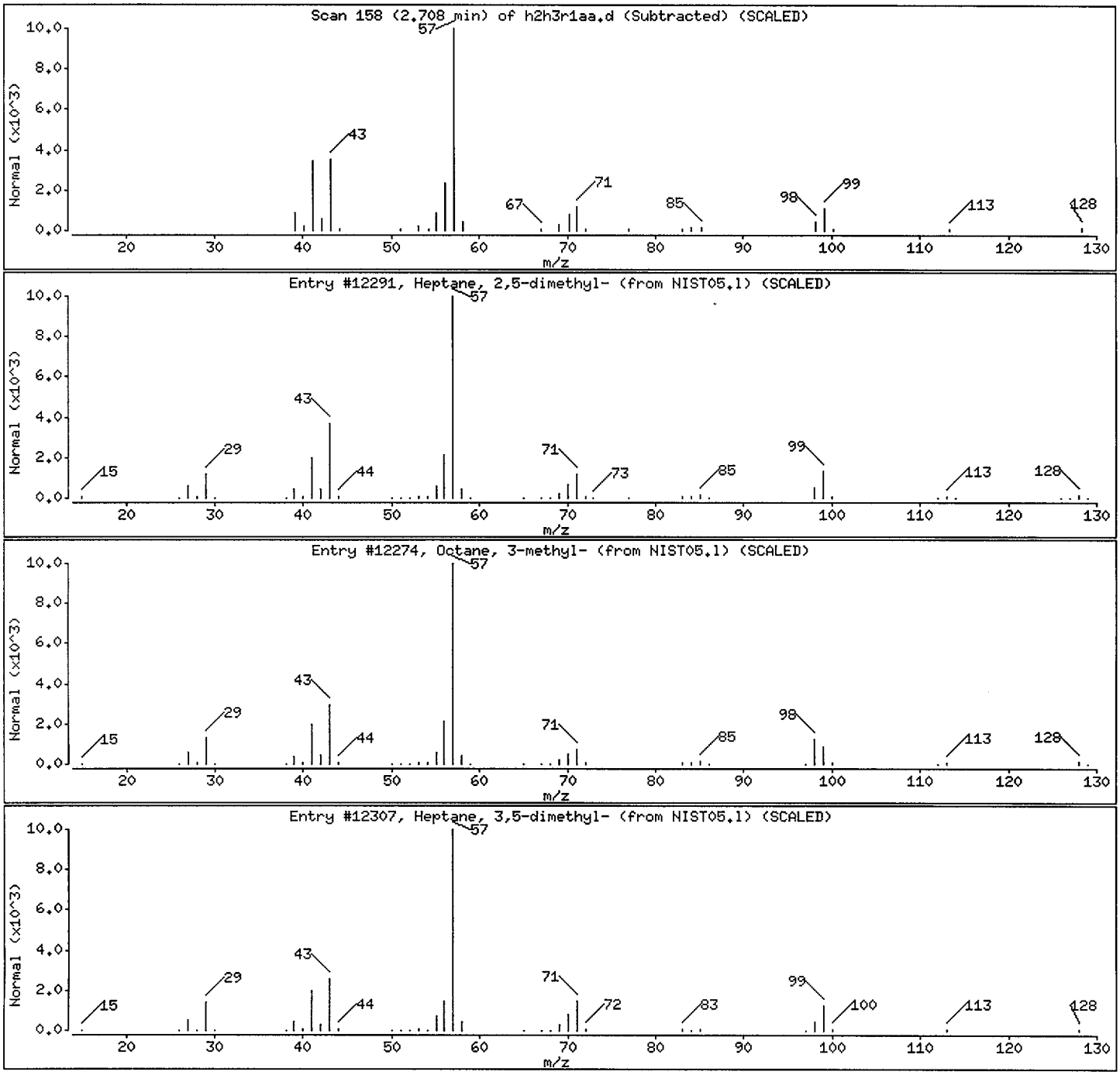
Client ID: G-3023/3024-R2-MM5 Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.l	12291	94	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.l	12274	90	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.l	12307	81	C9H20	128



Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

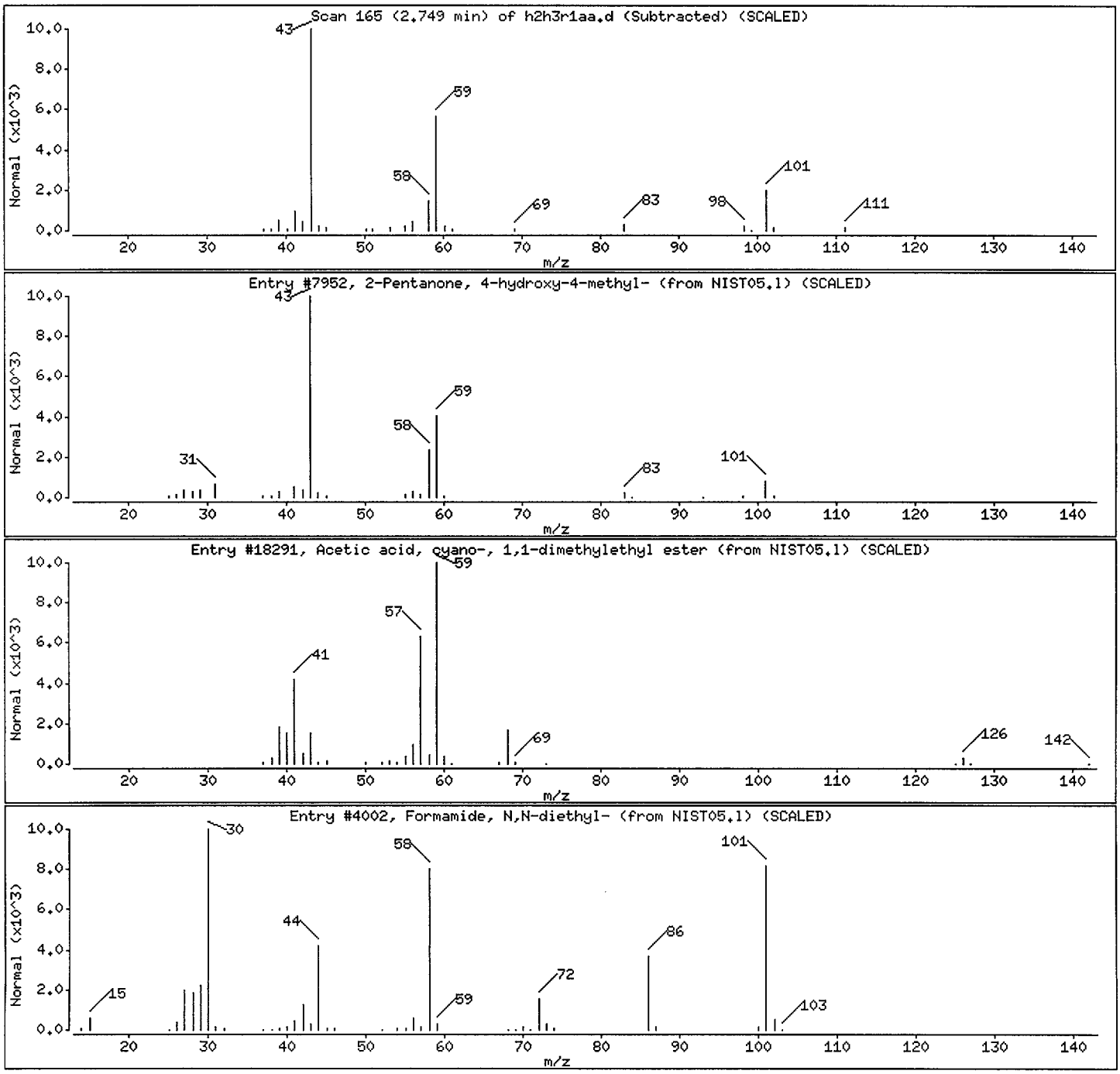
Client ID: G-3023/3024-R2-MM5 Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7952	33	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.1	18291	17	C7H11NO2	141
Formamide, N,N-diethyl-	617-84-5	NIST05.1	4002	9	C5H11NO	101



Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

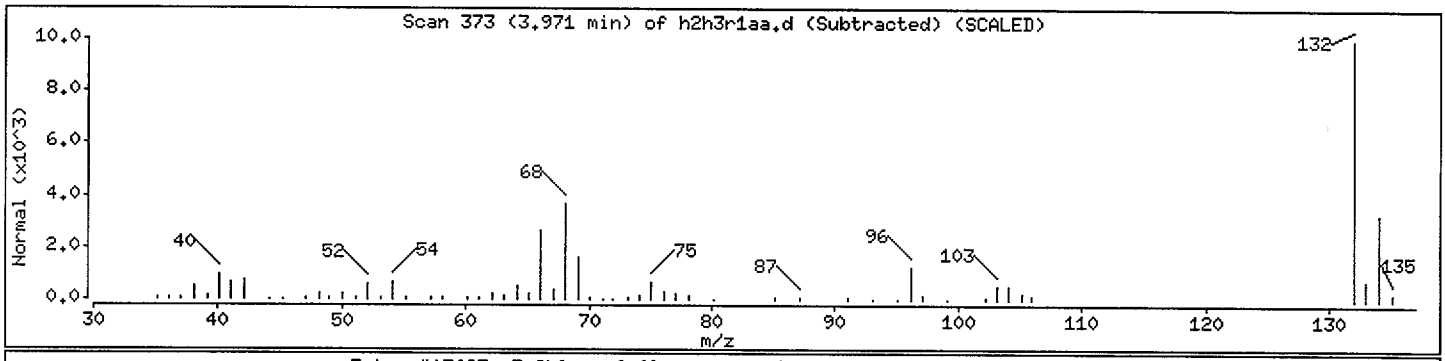
Client ID: G-3023/3024-R2-MM5 Instrument: md.i

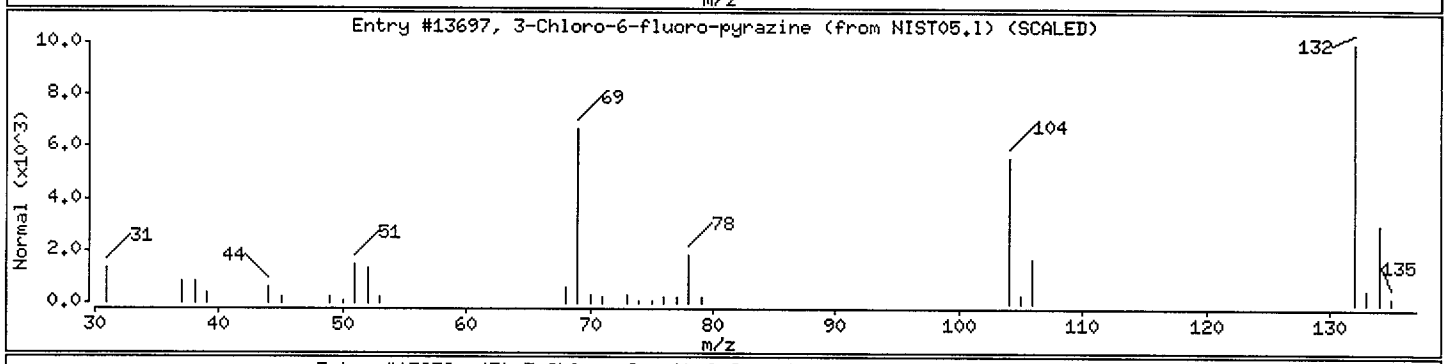
Sample Info: H2H3R1AA,,0,,,,

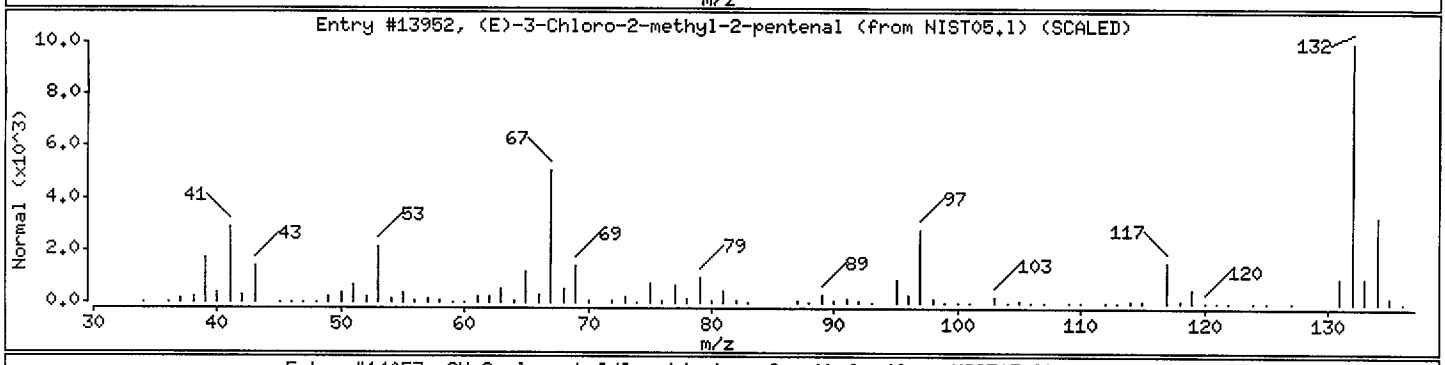
Volume Injected (uL): 1.0 Operator: 60841

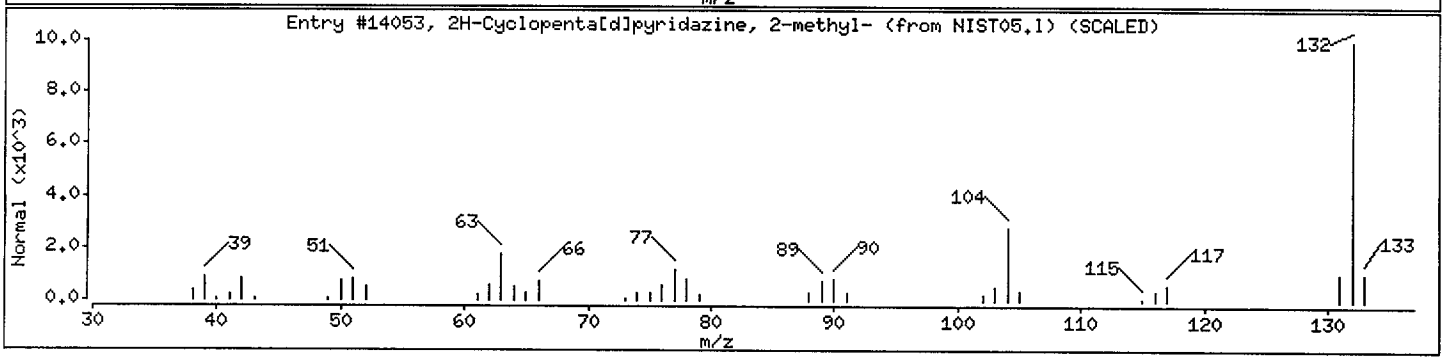
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	35	C6H9ClO	132
2H-Cyclopenta[d]pyridazine, 2-methyl-	22291-85-6	NIST05.1	14053	12	C8H8N2	132









Data File: /var/chem/gcms/md.i/D042806.b/h2h3r1aa.d

Date : 28-APR-2006 16:07

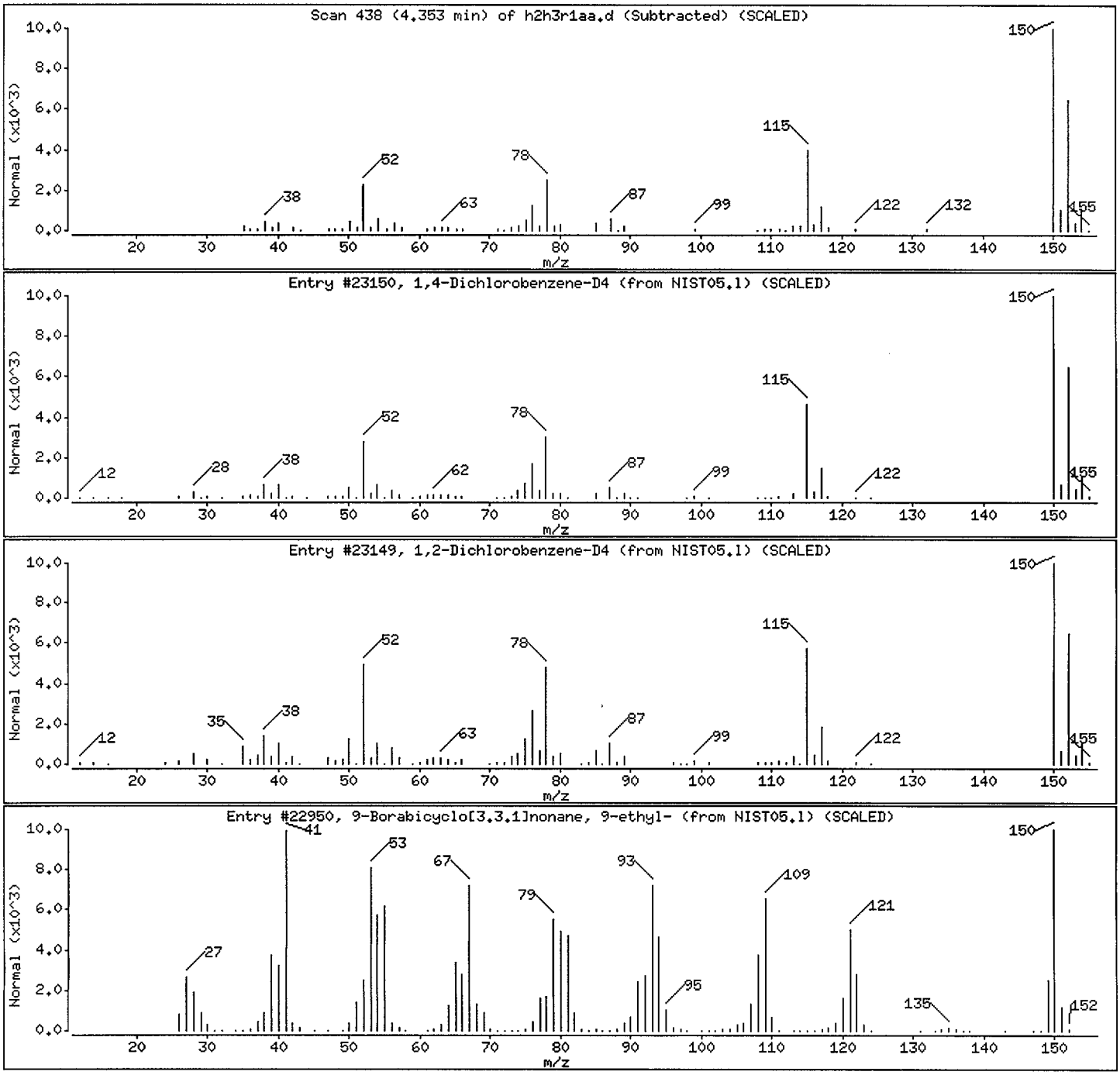
Client ID: G-3023/3024-R2-MM5 Instrument: md.i

Sample Info: H2H3R1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	96	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	38	C10H19B	150



STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Lab Smp Id: H2H3T1AA Client Smp ID: G-3025/3026-R2-MM5
Inj Date : 28-APR-2006 12:37
Operator : 60841 Inst ID: md.i
Smp Info : H2H3T1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	63604	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	232332	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	155555	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	273294	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	276563	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	241701	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	173219	38.9436	38.9
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	238885	44.5236	44.5
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	133767	25.5422	25.5
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	360506	35.1544	35.2
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	74836	43.1843	43.2
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	573727	42.6510	42.6
$ 179 13C6-naphthalene	134	5.775	5.775	(1.005)	2105913	140.765	141(A)

Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Report Date: 01-May-2006 10:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
34 Benzoic acid	122	5.487	5.504	(0.955)	65170	24.6957	24.7
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	3830	1.25961	~~1.26~~
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	8558	0.84958	0.850
84 Benzidine	184	11.204	11.016	(1.129)	6857	0.61220	~~0.612~~
91 acetophenone	105	4.882	4.623	(1.174)	3083	0.57710	~~0.577~~
184 Benzaldehyde	105	3.742	3.742	(0.900)	4564	1.57122	1.57
185 Benzonitrile	103	3.971	3.935	(0.955)	8086	1.24320	~~1.24~~

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3t1aa.d
Lab Smp Id: H2H3T1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3025/3026-R2-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	63604	3.40
2 Naphthalene-d8	201763	100882	403526	232332	15.15
3 Acenaphthene-d10	143273	71636	286546	155555	8.57
4 Phenanthrene-d10	247023	123512	494046	273294	10.64
5 Chrysene-d12	265356	132678	530712	276563	4.22
6 Perylene-d12	233795	116898	467590	241701	3.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H3T1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westatesc13.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

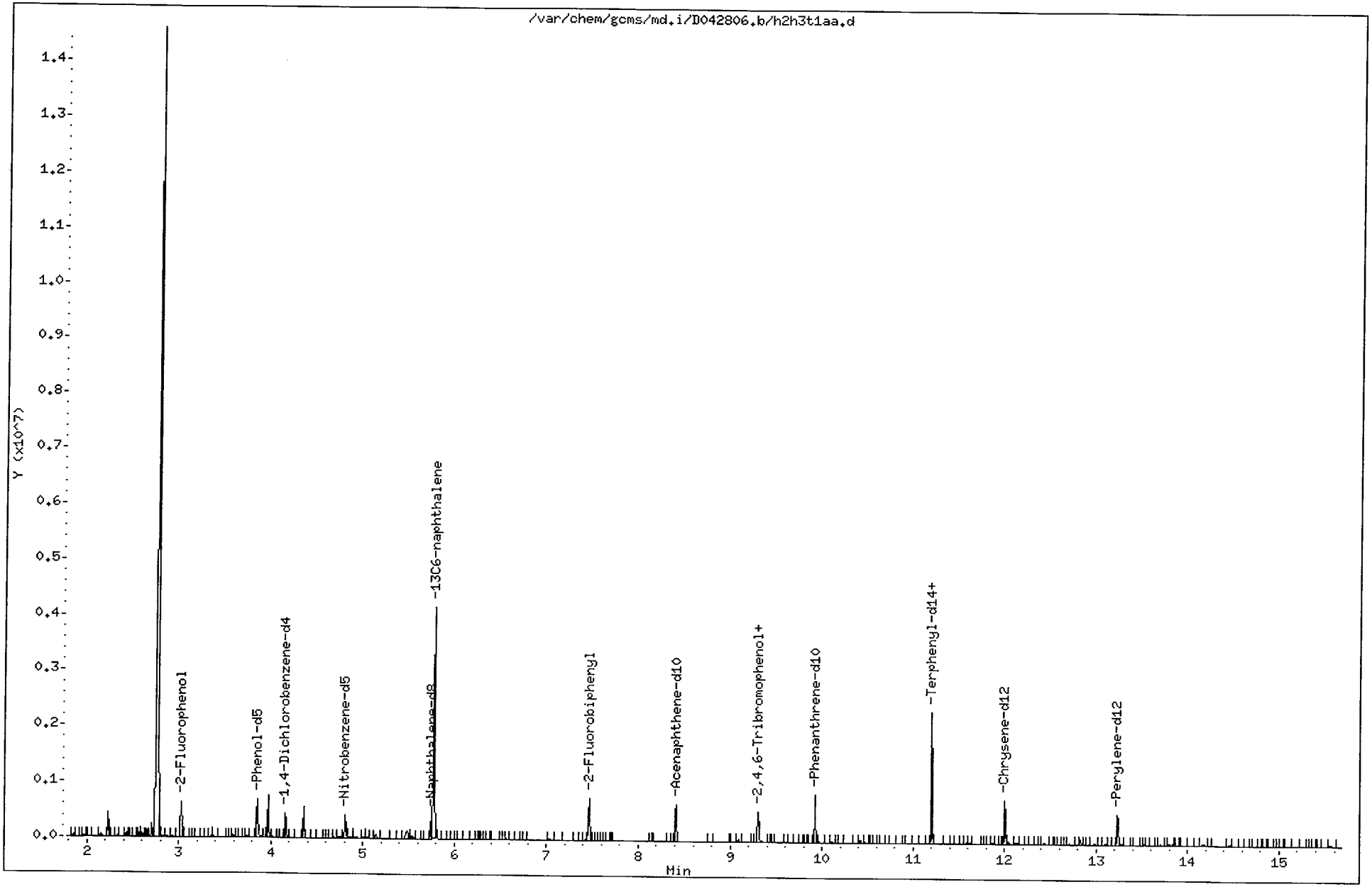
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3025/3026-R2-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	38.9	51.92	19-100
$ 8 Phenol-d5	75.0	44.5	59.36	15-124
$ 9 Nitrobenzene-d5	50.0	25.5	51.08	42-104
$ 10 2-Fluorobiphenyl	50.0	35.2	70.31	51-103
$ 11 2,4,6-Tribromophen	75.0	43.2	57.58	33-130
$ 12 Terphenyl-d14	50.0	42.6	85.30	58-122
$ 179 13C6-naphthalene	100	141	140.76	50-150

Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Date : 28-APR-2006 12:37
Client ID: G-3025/3026-R2-MM5
Sample Info: H2H3T1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0

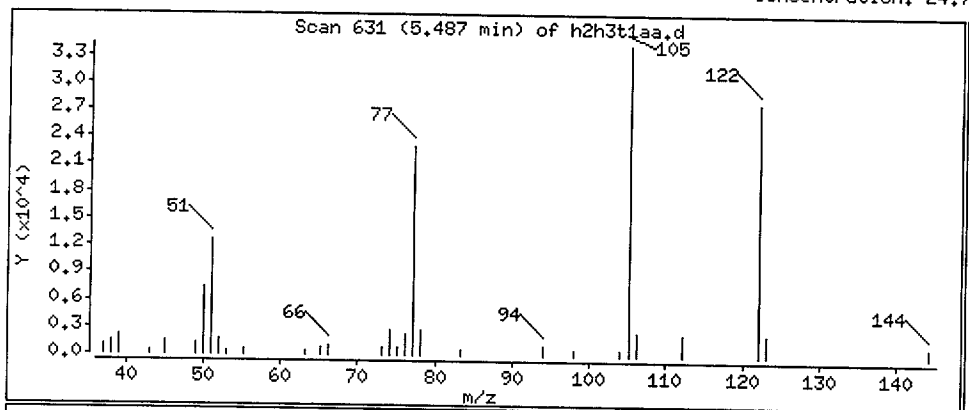
Operator: 60841

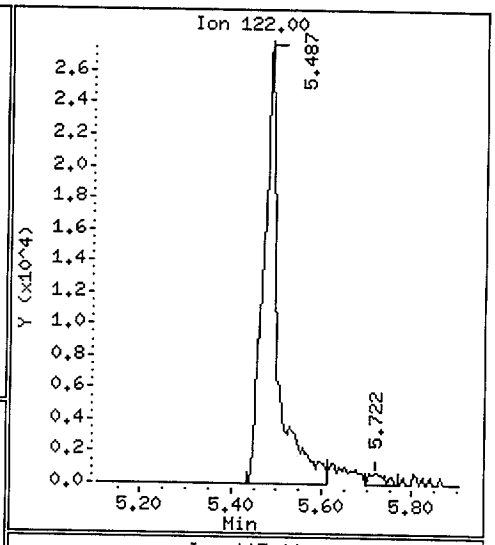
Column phase: ZB-5

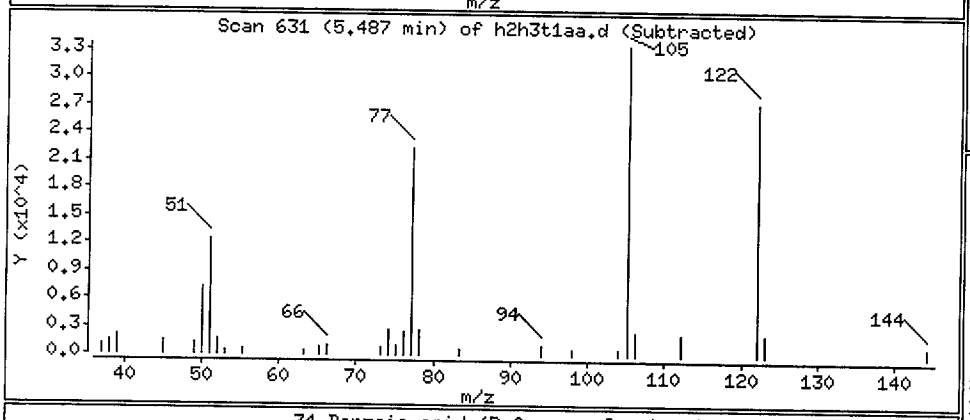
Column diameter: 0.25

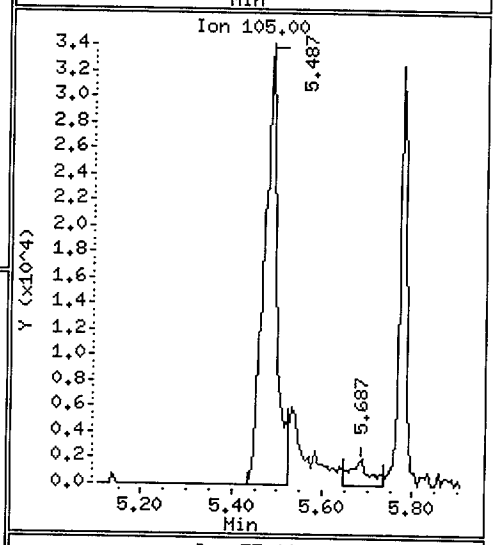
34 Benzoic acid

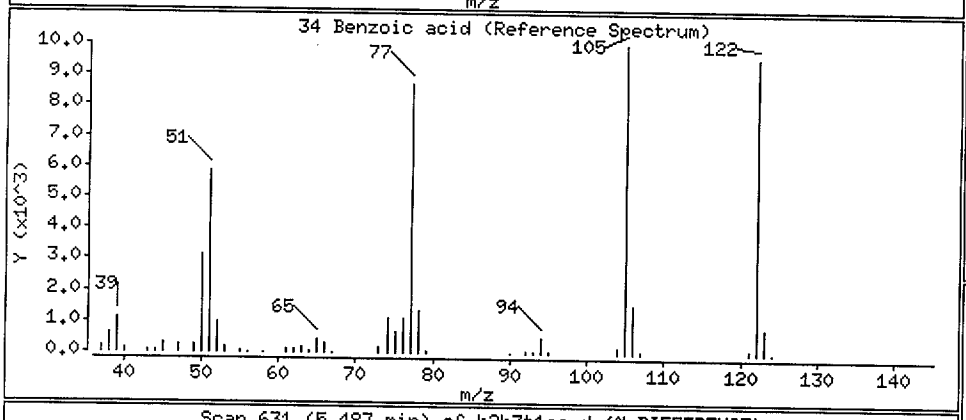
Concentration: 24.7 ug

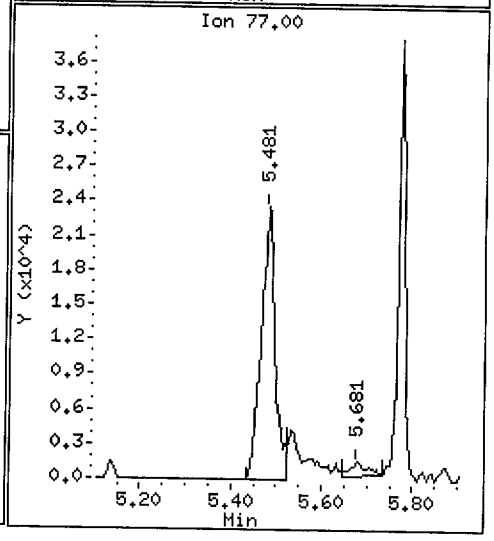


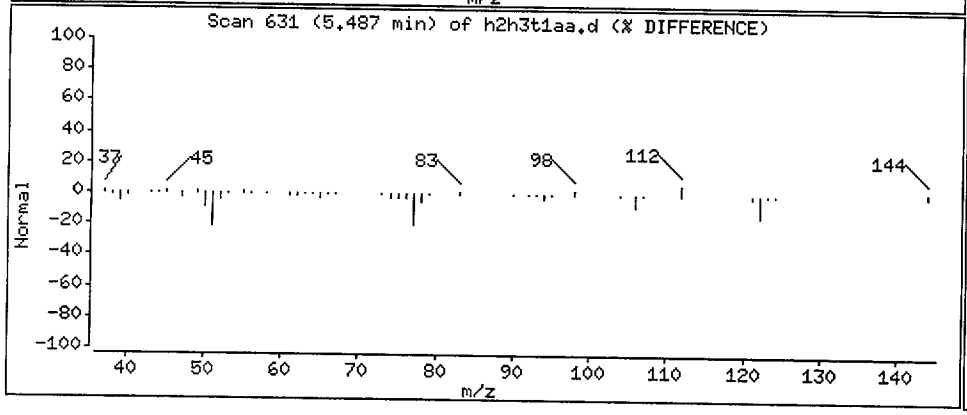












Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0

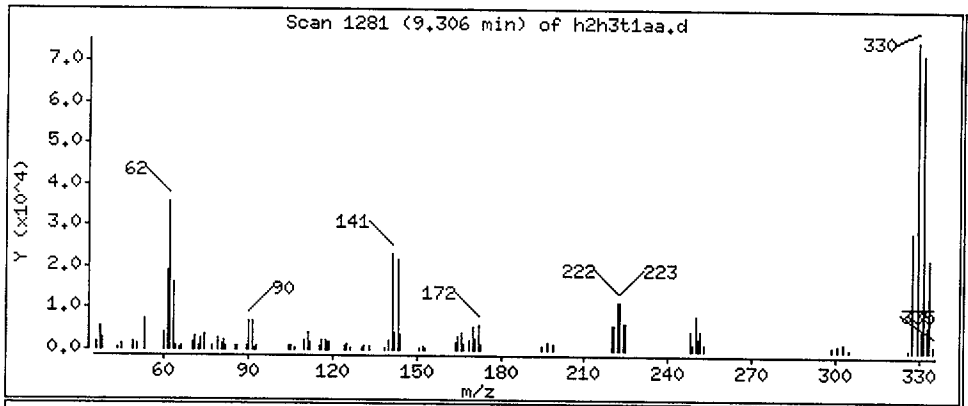
Operator: 60841

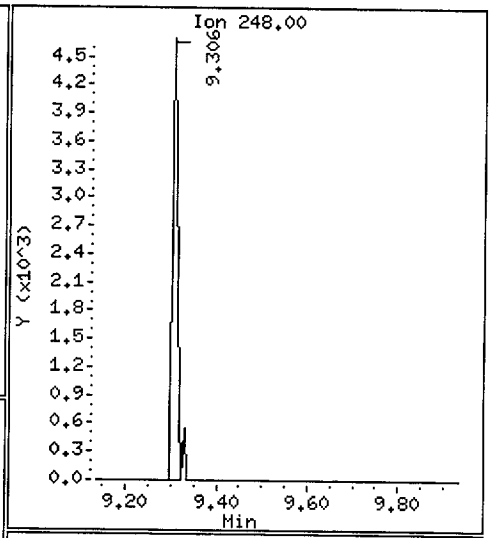
Column phase: ZB-5

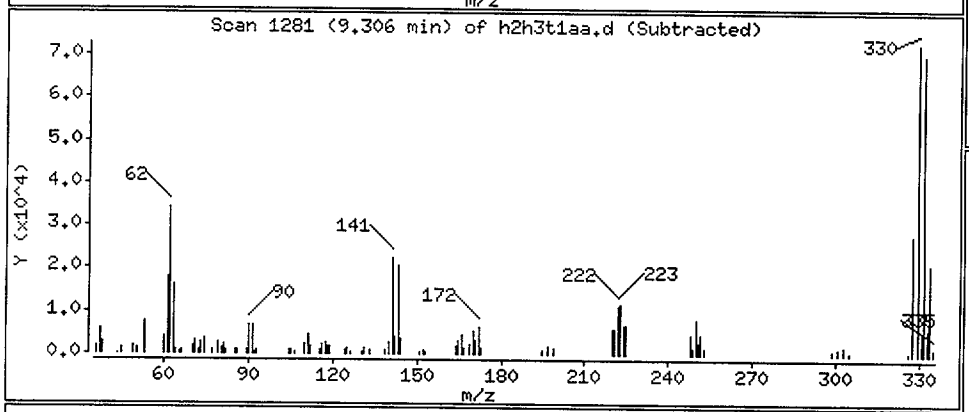
Column diameter: 0.25

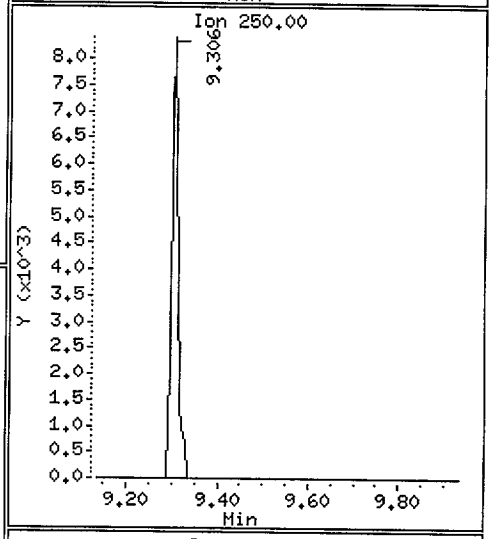
63 4-Bromophenyl phenyl ether

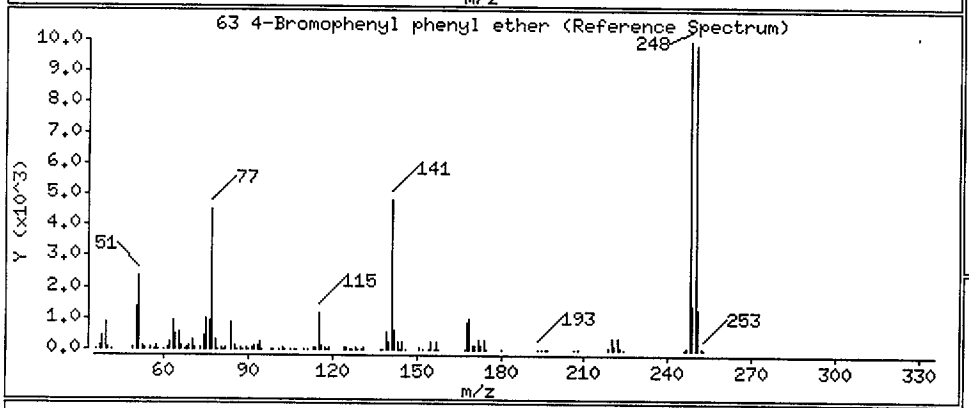
Concentration: 1.26 ug

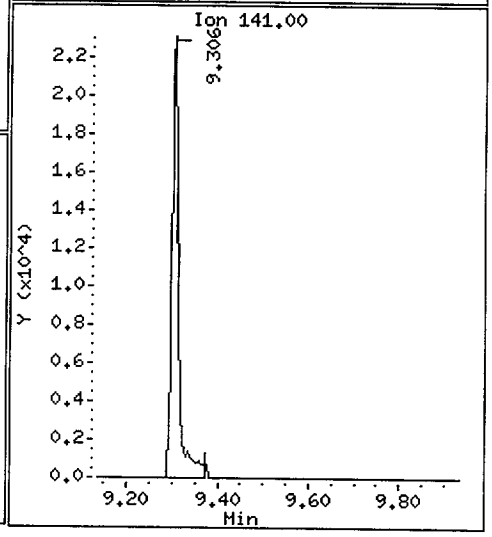


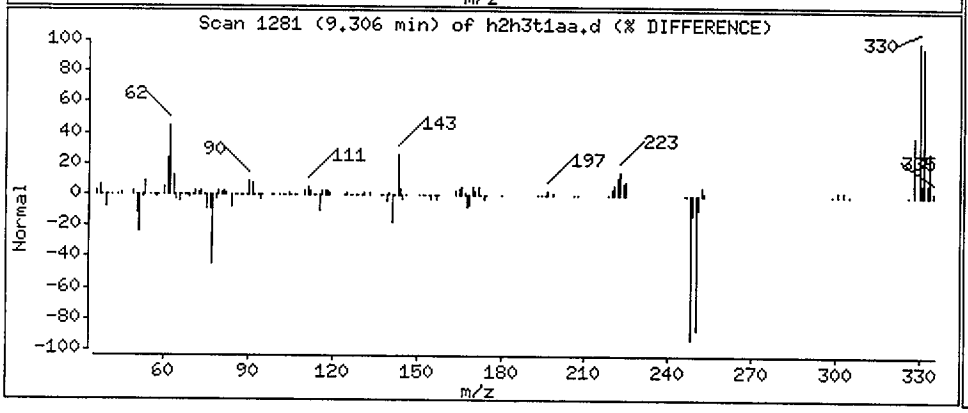












Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0

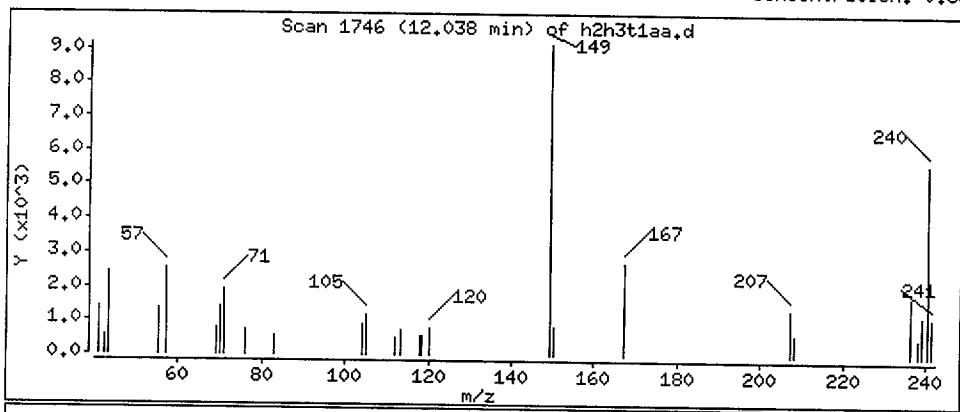
Operator: 60841

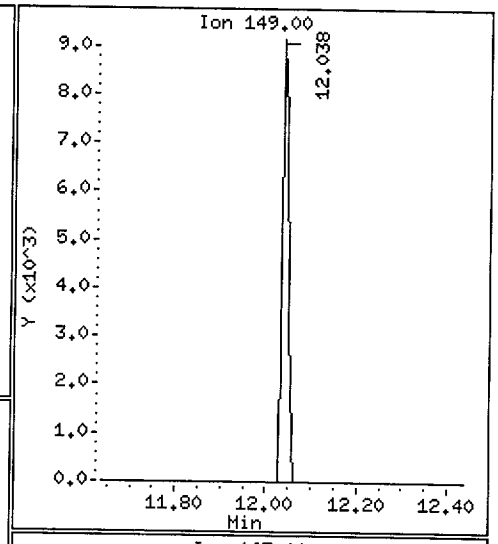
Column phase: ZB-5

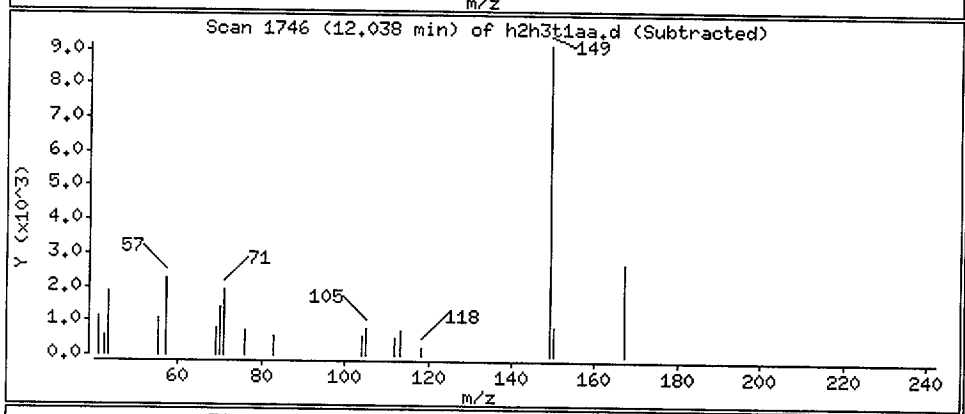
Column diameter: 0.25

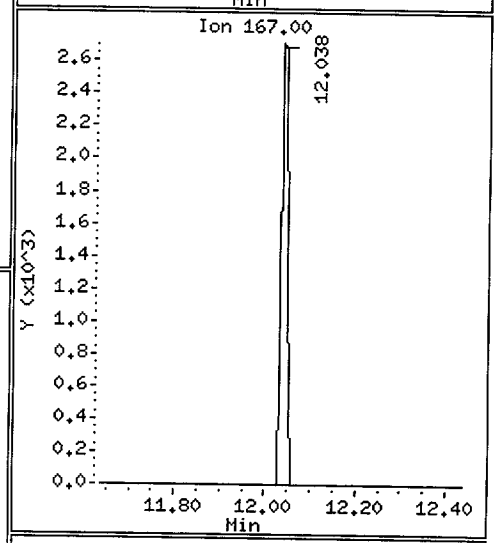
76 Bis(2-ethylhexyl) phthalate

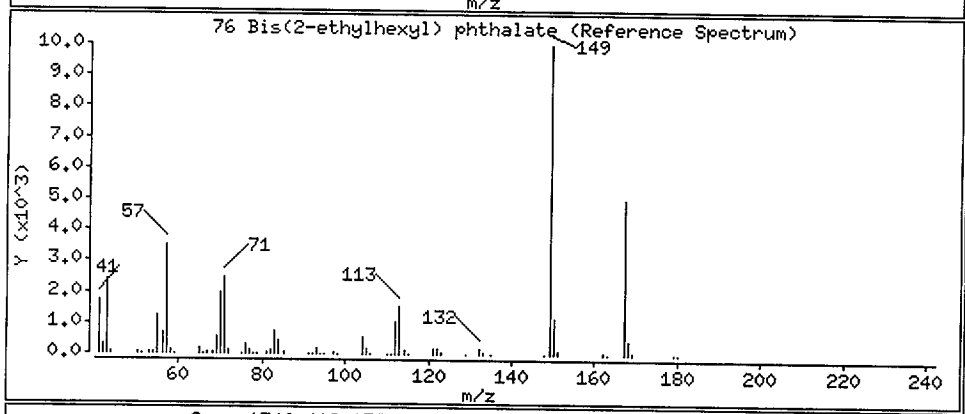
Concentration: 0.850 ug

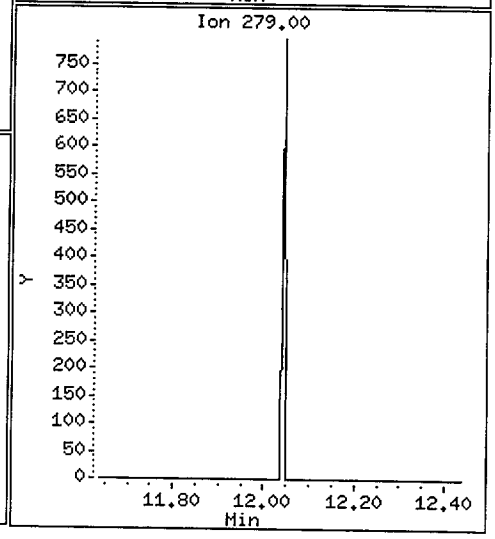


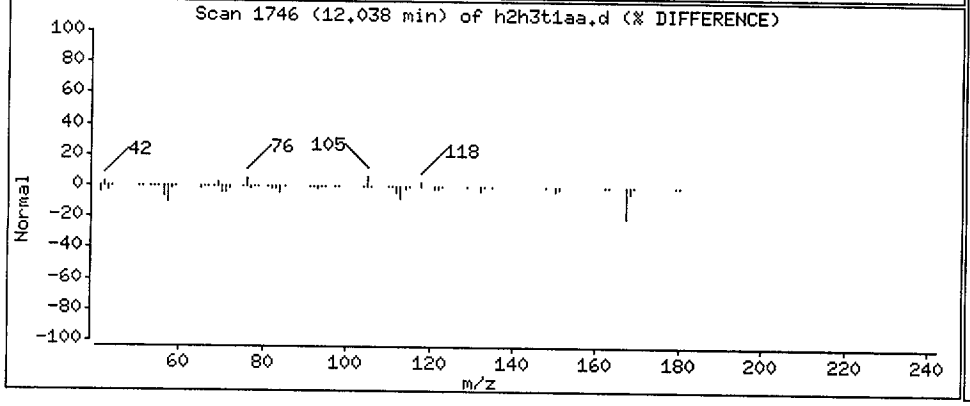












Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0

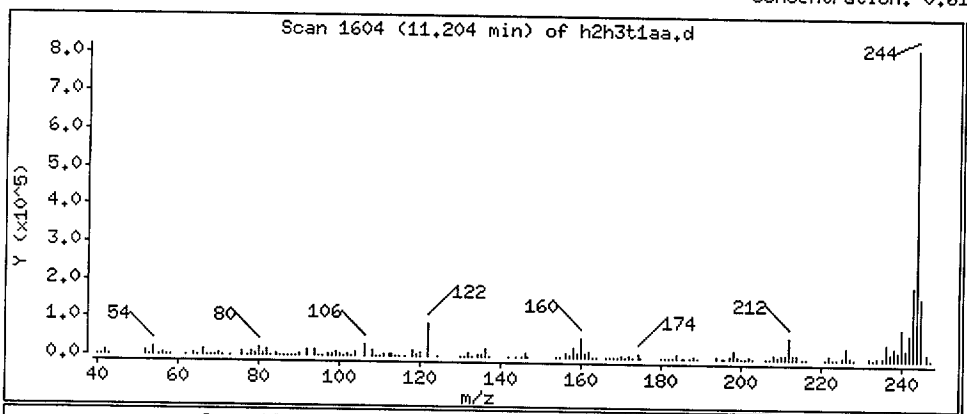
Operator: 60841

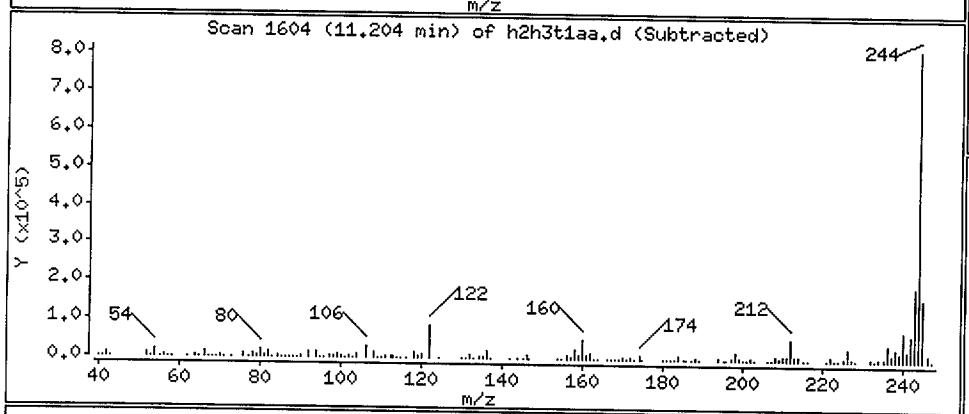
Column phase: ZB-5

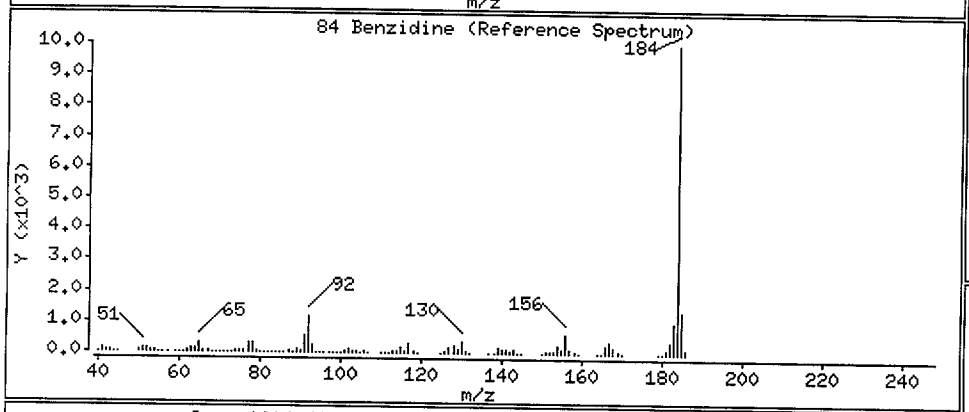
Column diameter: 0.25

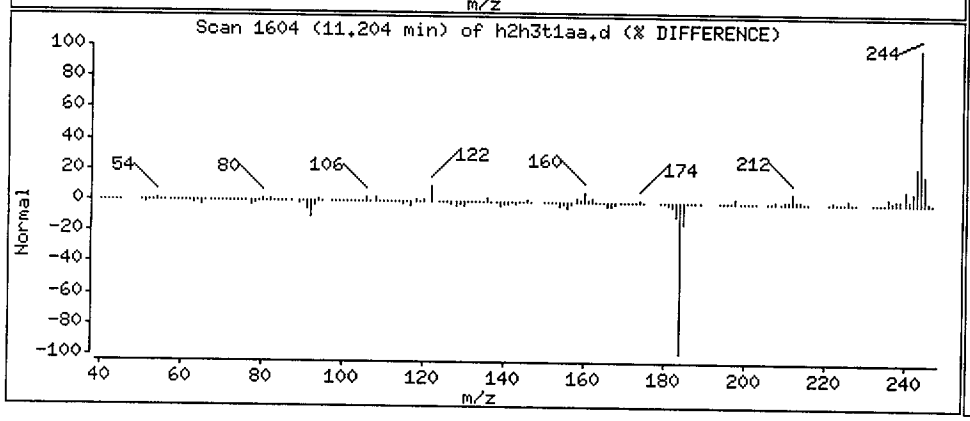
84 Benzidine

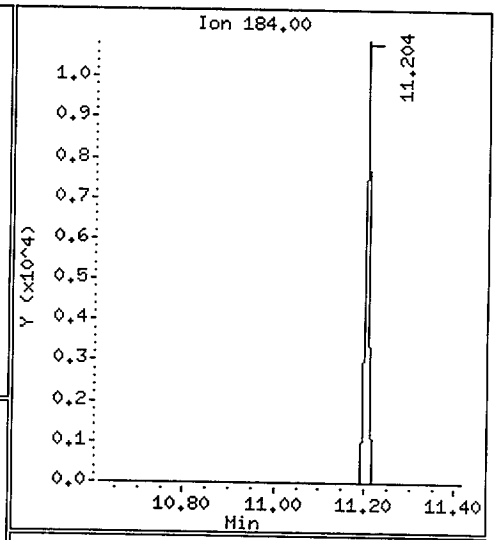
Concentration: 0.612 ug

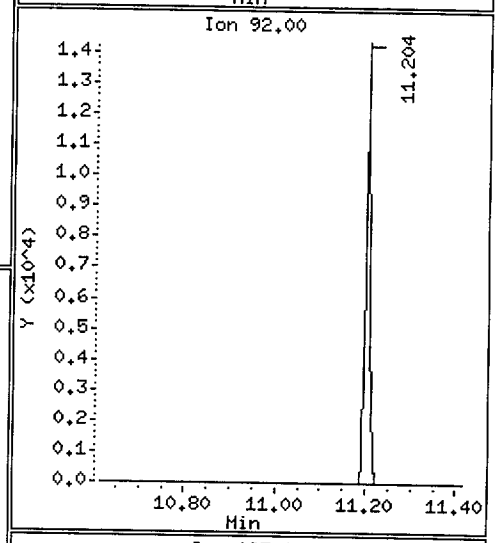


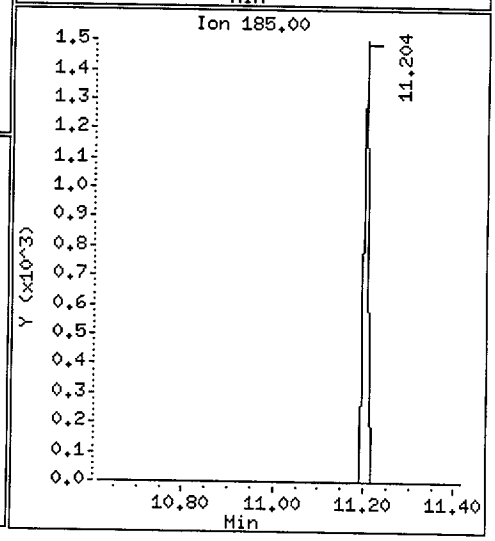












Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0

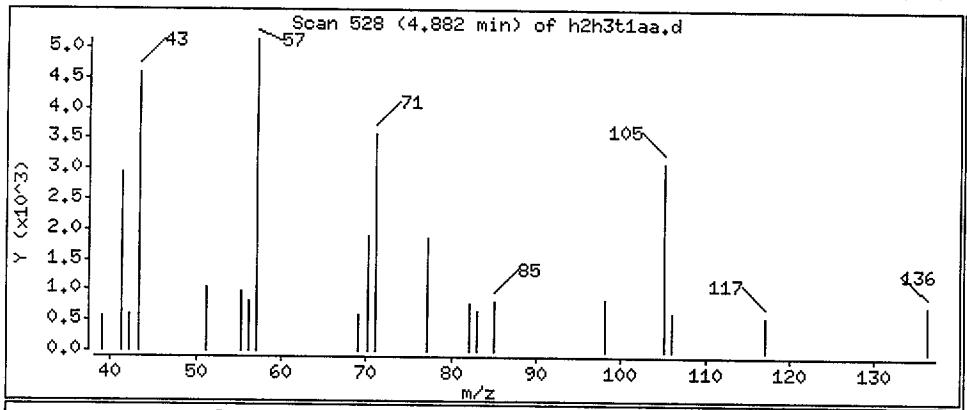
Operator: 60841

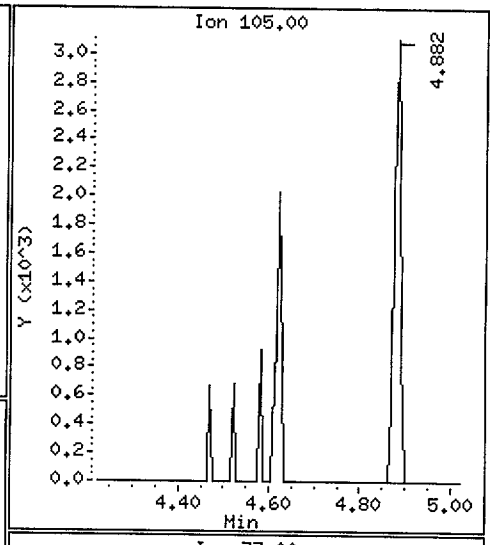
Column phase: ZB-5

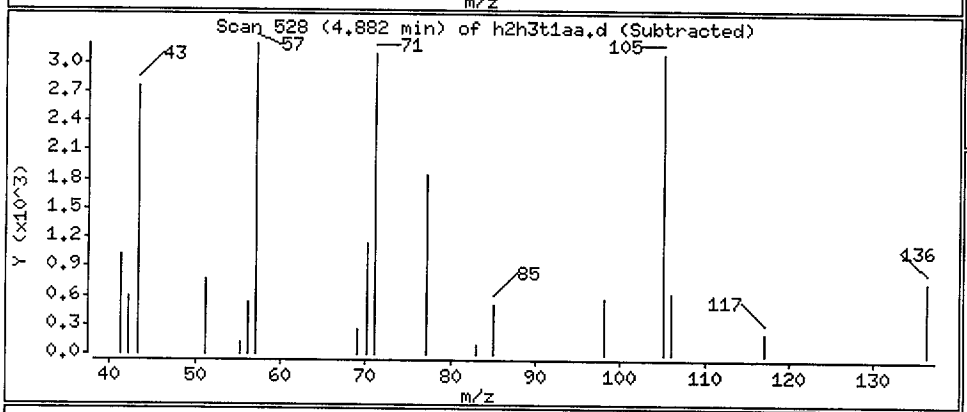
Column diameter: 0.25

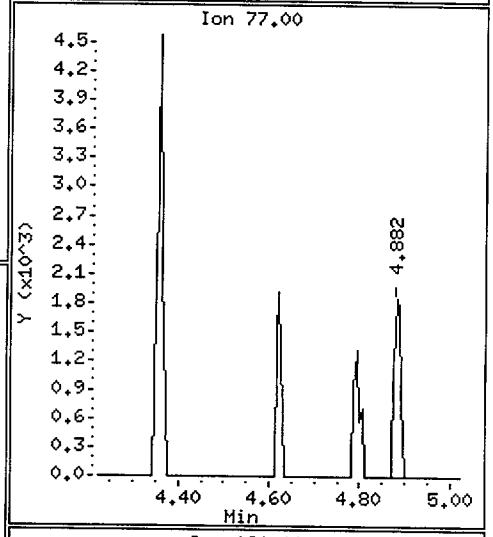
91 acetophenone

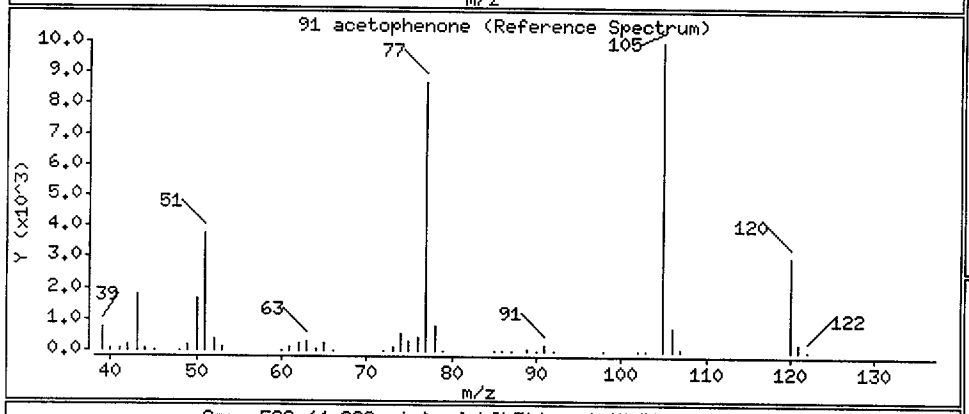
Concentration: 0.577 ug

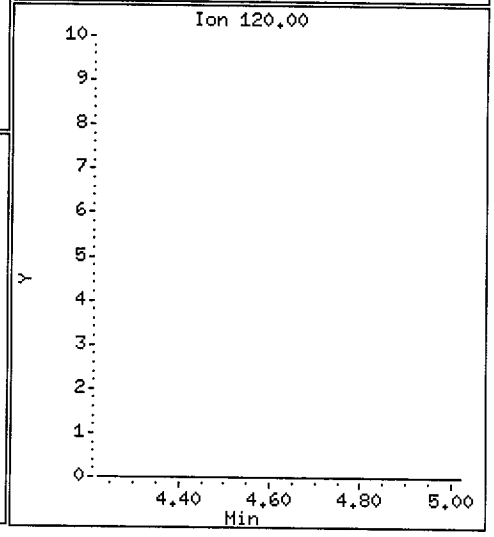


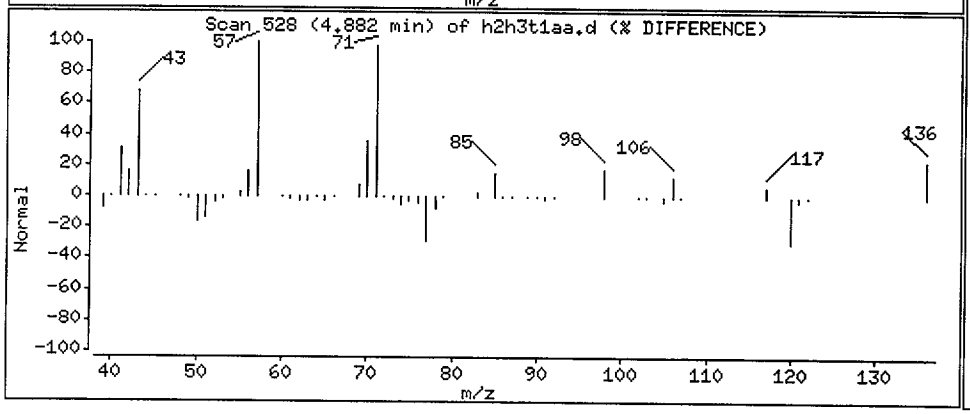












Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0

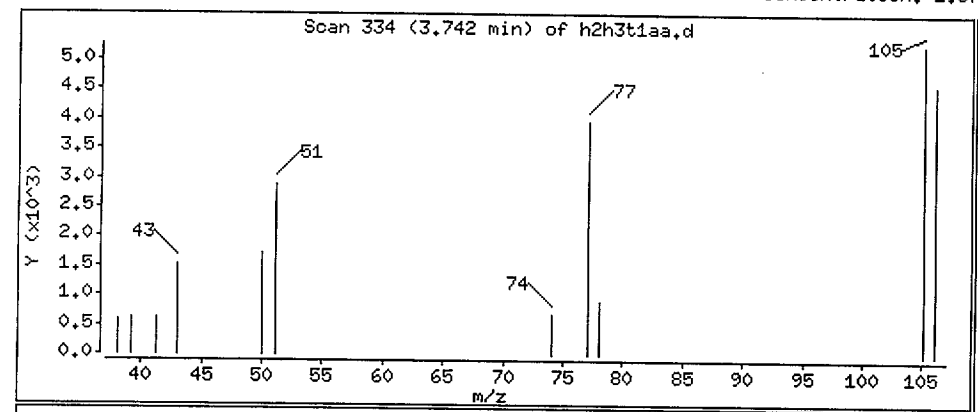
Operator: 60841

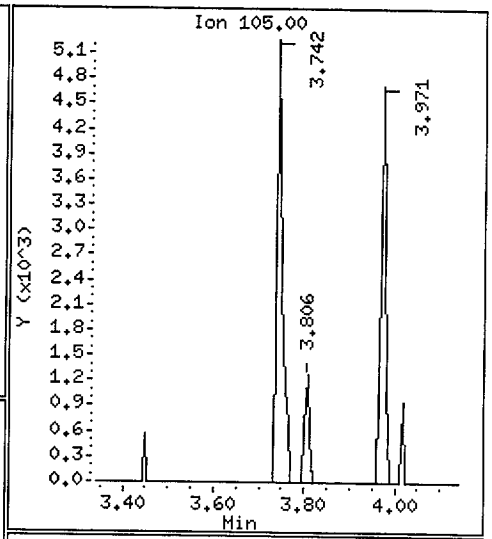
Column phase: ZB-5

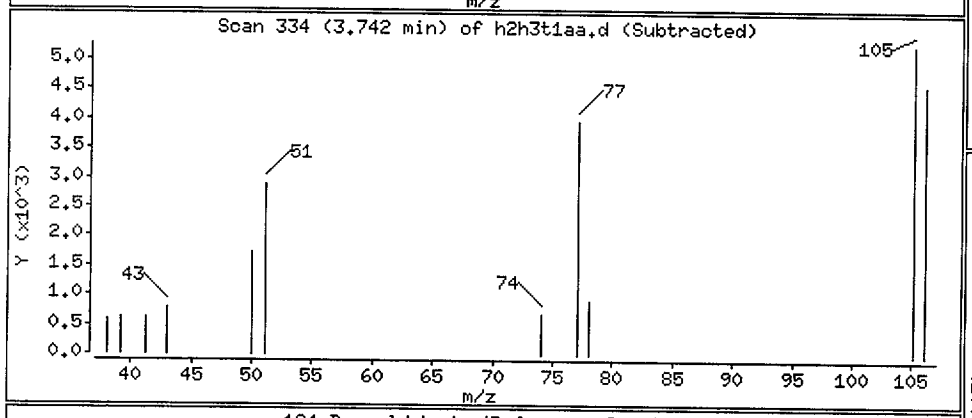
Column diameter: 0.25

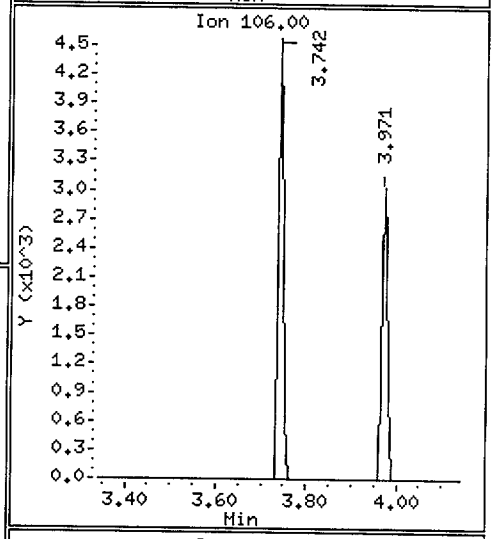
184 Benzaldehyde

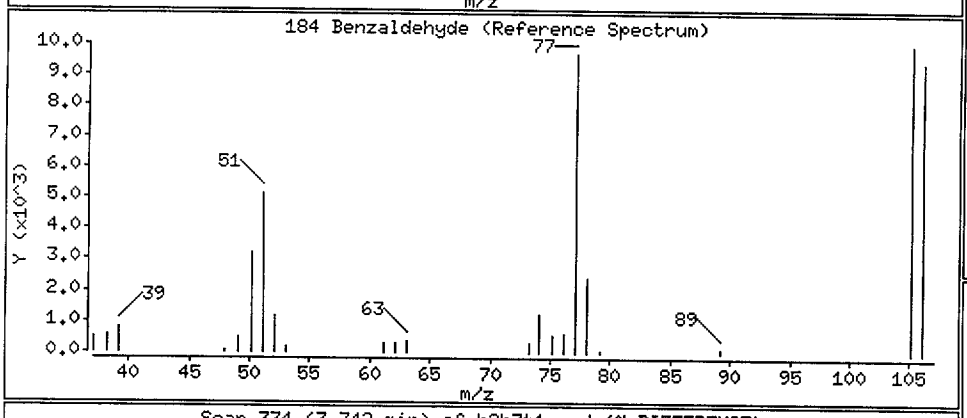
Concentration: 1.57 ug

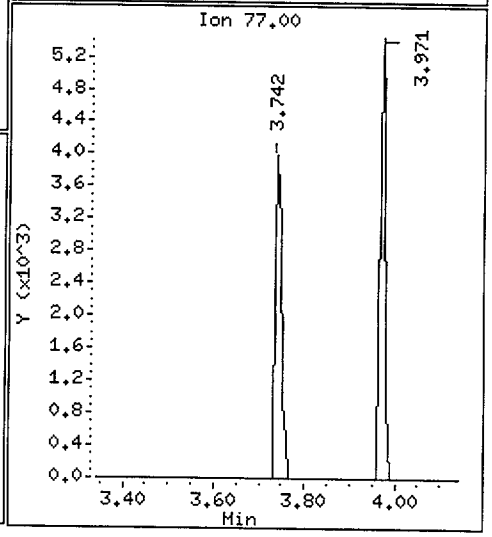


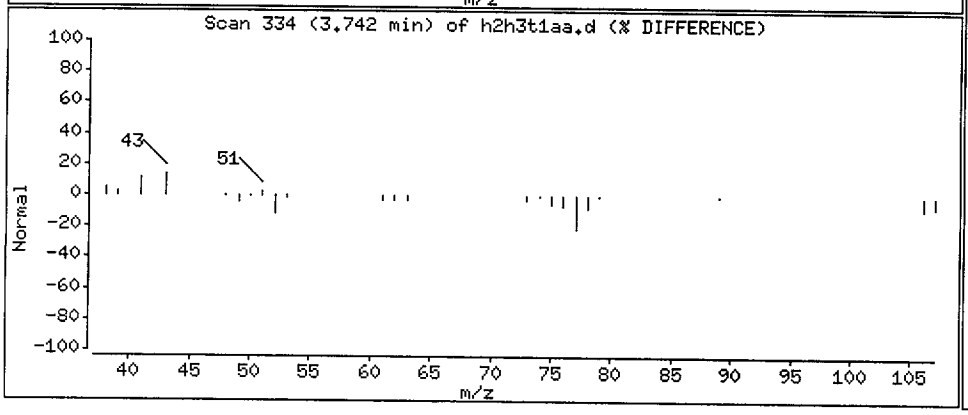












Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0

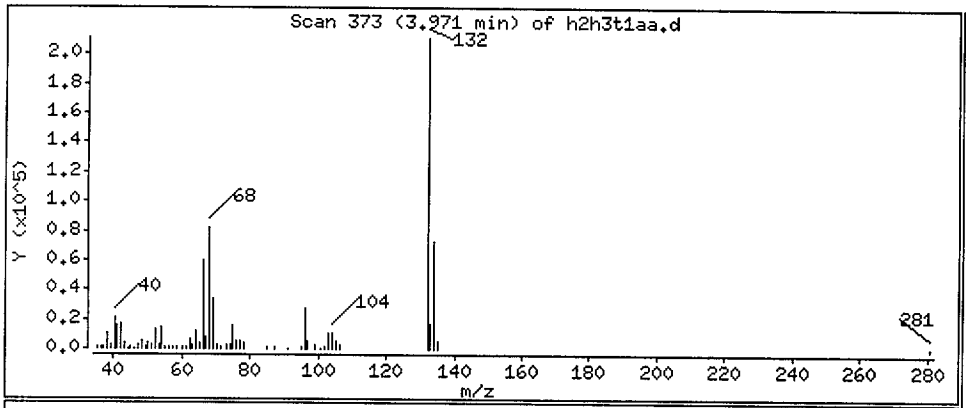
Operator: 60841

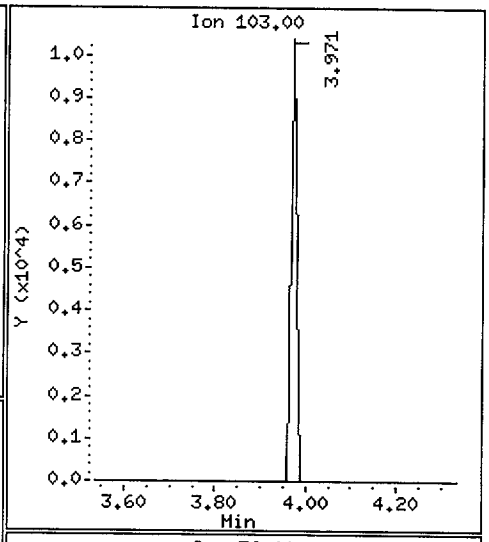
Column phase: ZB-5

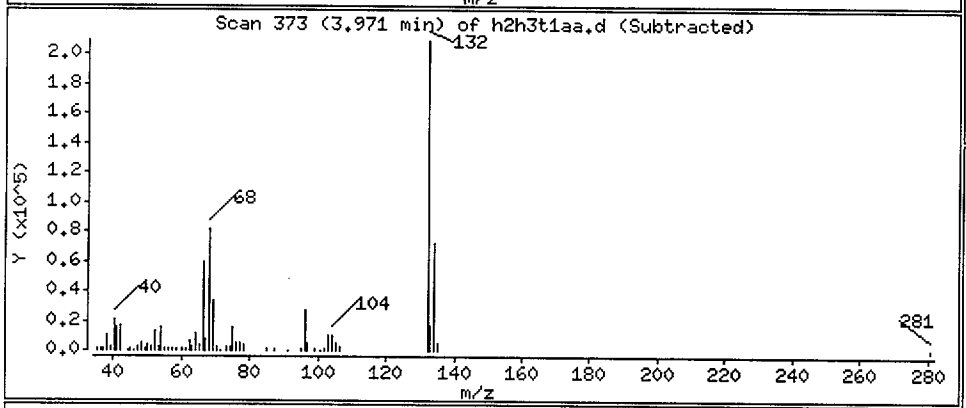
Column diameter: 0.25

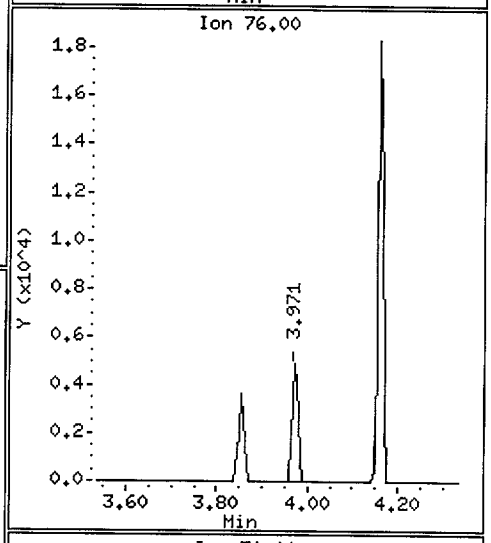
185 Benzonitrile

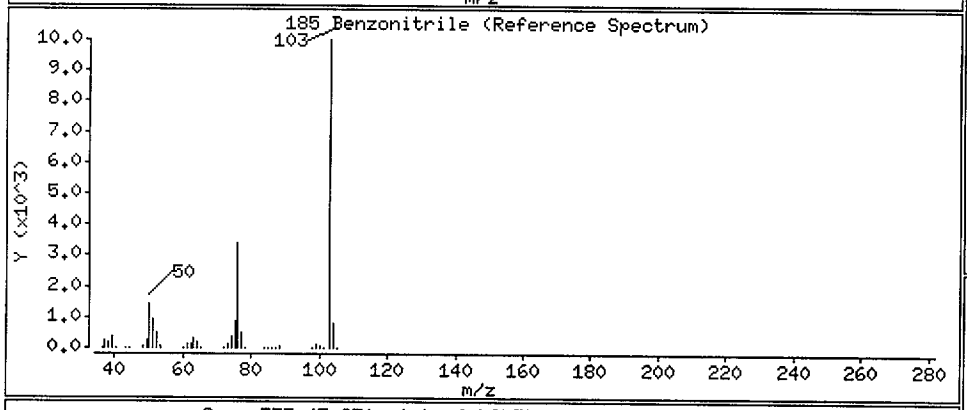
Concentration: 1.24 ug

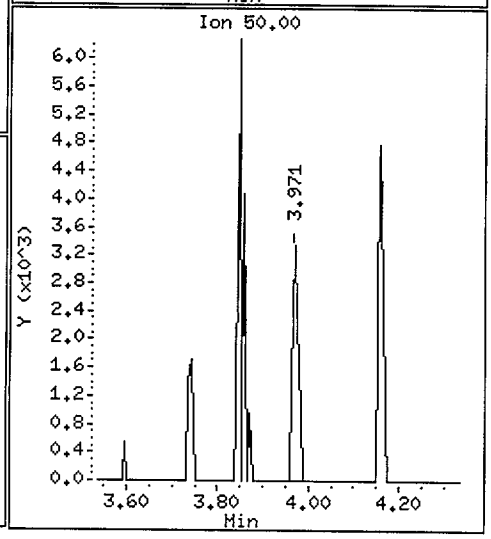


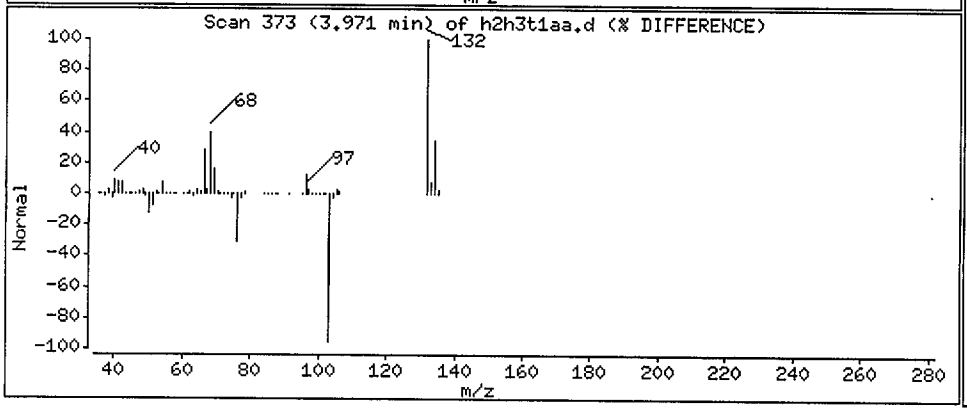












Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Report Date: 01-May-2006 11:29

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Lab Smp Id: H2H3T1AA Client Smp ID: G-3025/3026-R2-MM5
Inj Date : 28-APR-2006 12:37
Operator : 60841 Inst ID: md.i
Smp Info : H2H3T1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:50 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	451548	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
Toluene				CAS #: 108-88-3			
2.232	449190	19.8955593	19.9	95	NIST05.1	2400	1
Octane, 2-methyl-				CAS #: 3221-61-2			
2.649	139946	6.19849938	6.20	72	NIST05.1	12276	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d
Report Date: 01-May-2006 11:29

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Heptane, 2,5-dimethyl-					CAS #: 2216-30-0		
2.708	255688	11.3249533	11.3	94	NIST05.1	12291	1
2-Pentanone, 4-hydroxy-4-methyl-					CAS #: 123-42-2		
2.778	14592888	646.349358	646	56	NIST05.1	7952	1
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7		
3.971	748407	33.1485025	33.1	27	NIST05.1	13697	1
1,4-Dichlorobenzene-D4					CAS #: 3855-82-1		
4.359	573656	25.4084173	25.4	96	NIST05.1	23150	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

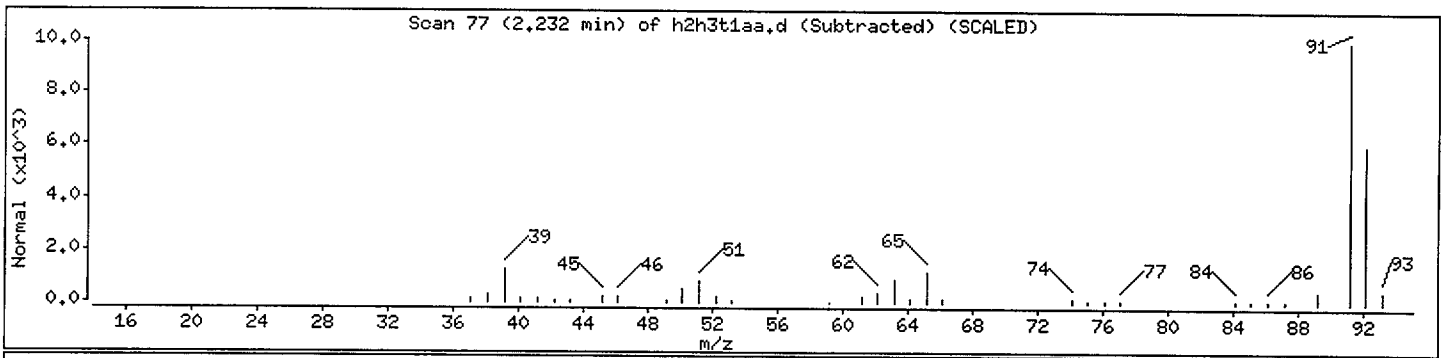
Client ID: G-3025/3026-R2-MM5 Instrument: md.i

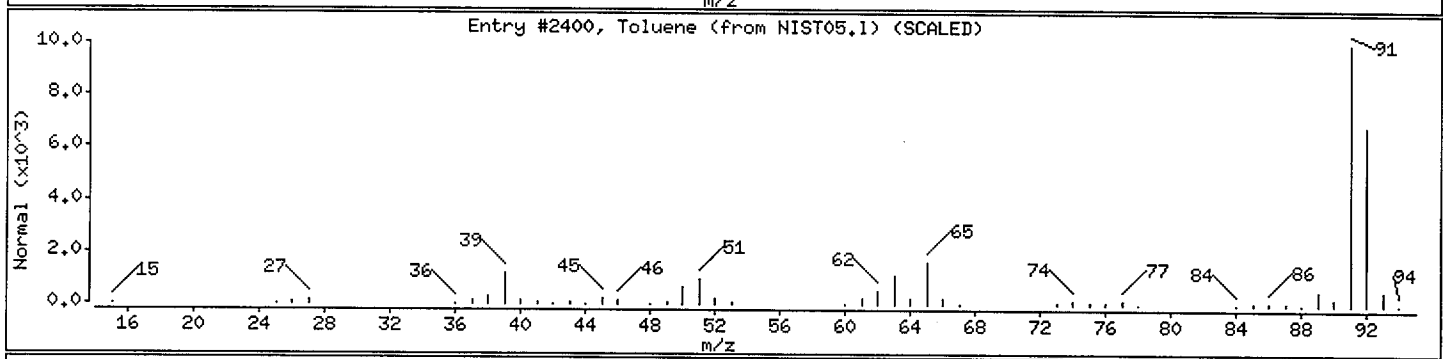
Sample Info: H2H3T1AA,,0,,,,

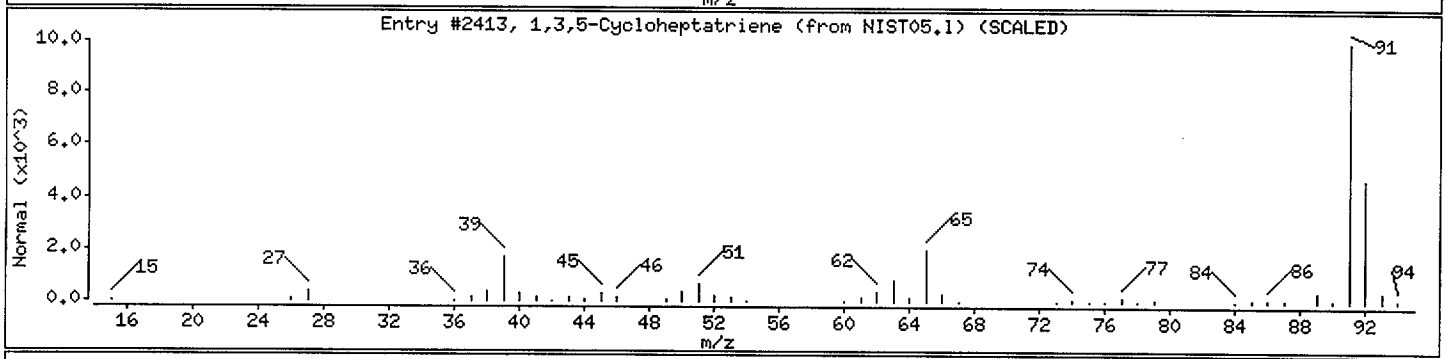
Volume Injected (uL): 1.0 Operator: 60841

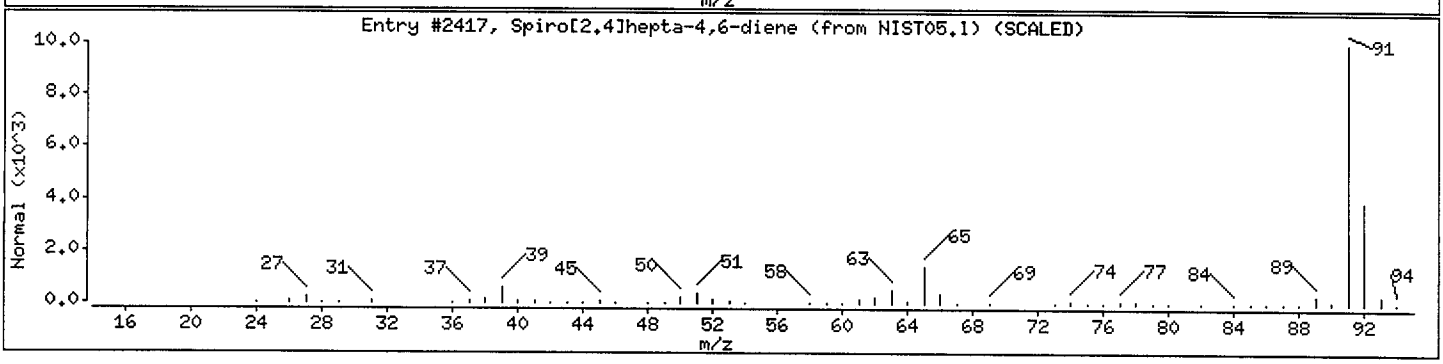
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NIST05.1	2400	95	C7H8	92
1,3,5-Cycloheptatriene	544-25-2	NIST05.1	2413	91	C7H8	92
Spiro[2.4]hepta-4,6-diene	765-46-8	NIST05.1	2417	91	C7H8	92









Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

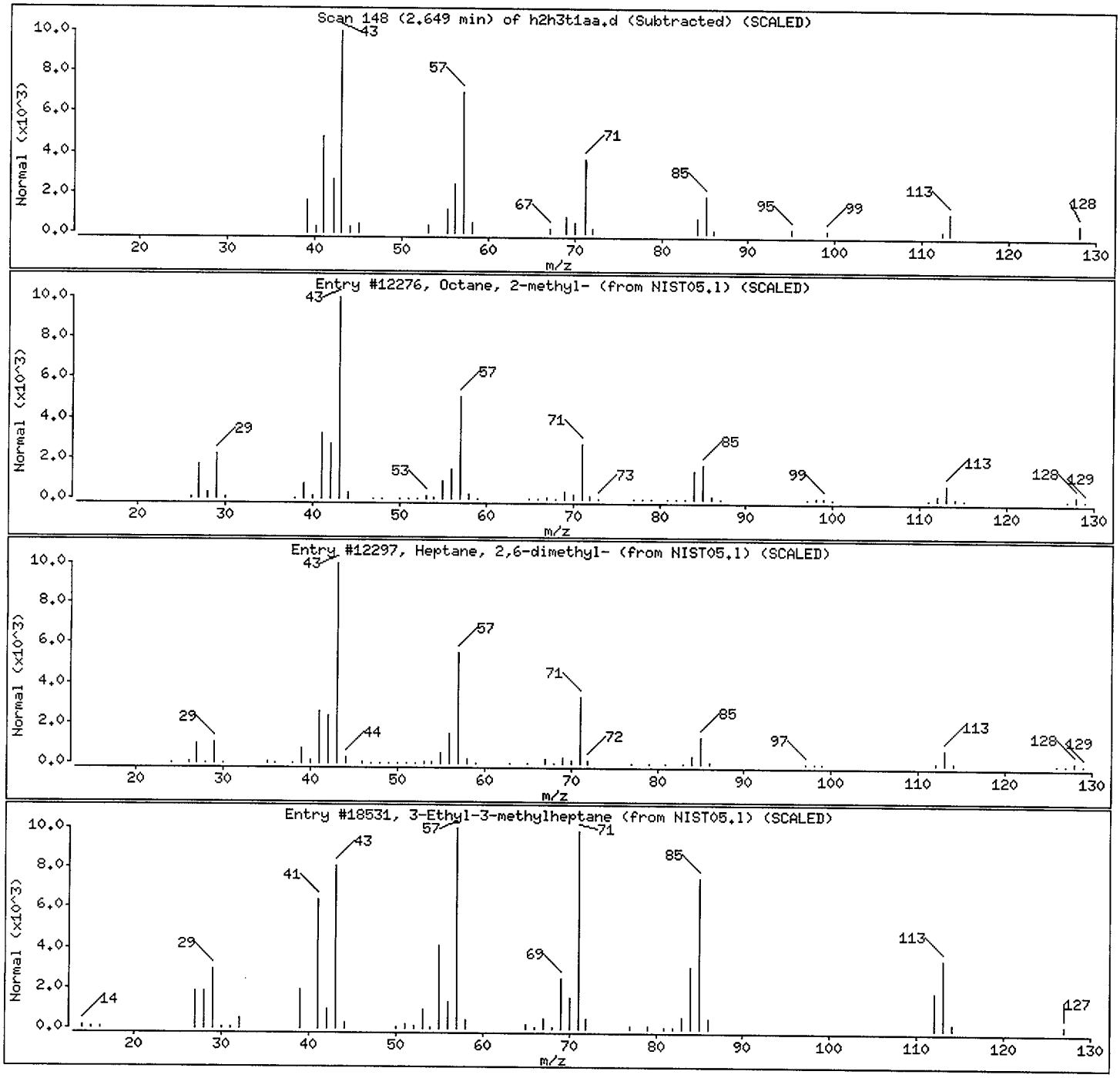
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Octane, 2-methyl-	3221-61-2	NIST05.1	12276	72	C9H20	128
Heptane, 2,6-dimethyl-	1072-05-5	NIST05.1	12297	72	C9H20	128
3-Ethyl-3-methylheptane	17302-01-1	NIST05.1	18531	53	C10H22	142



Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

Client ID: G-3025/3026-R2-MM5

Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

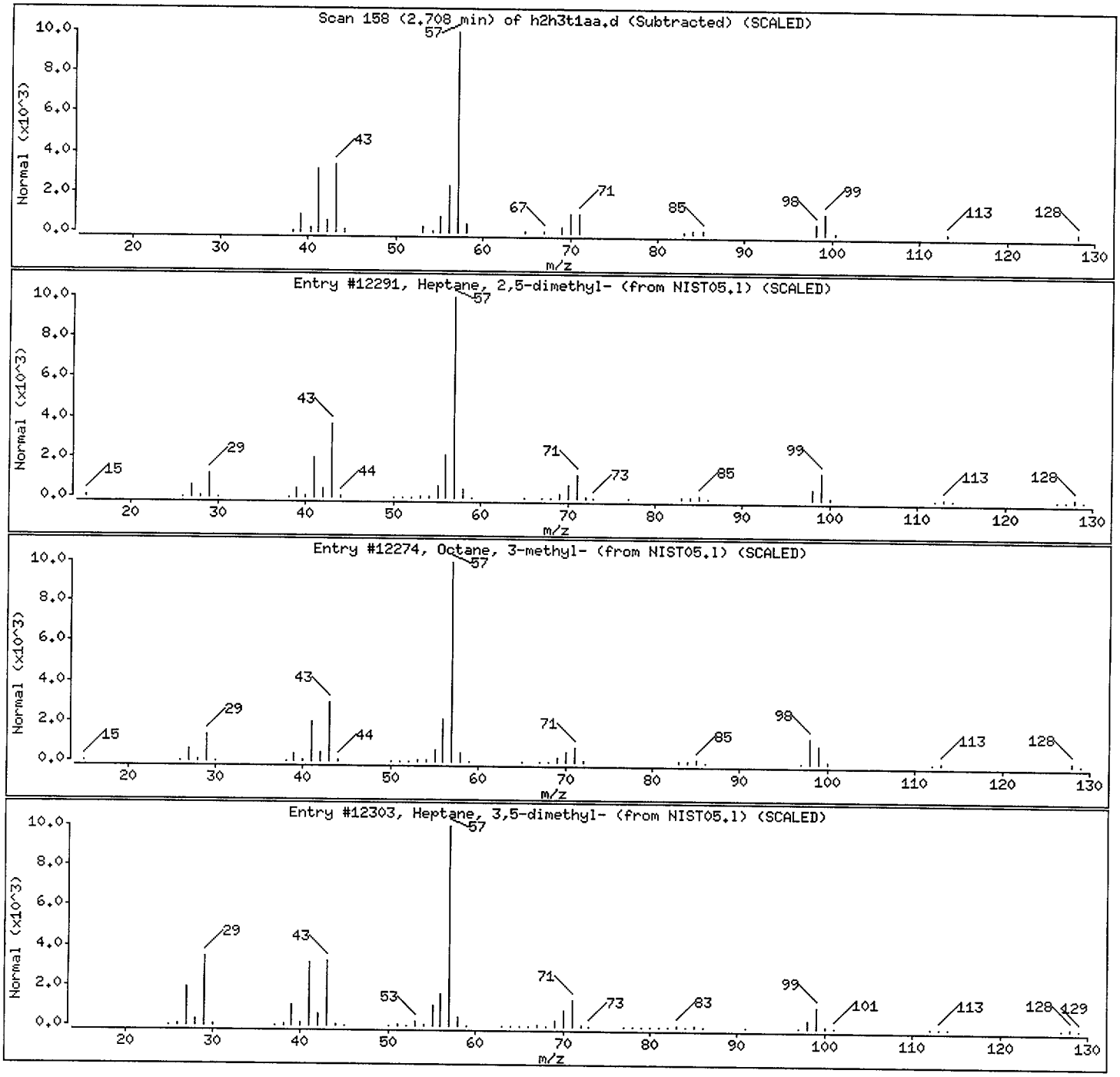
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.1	12291	94	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.1	12274	90	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.1	12303	81	C9H20	128



Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

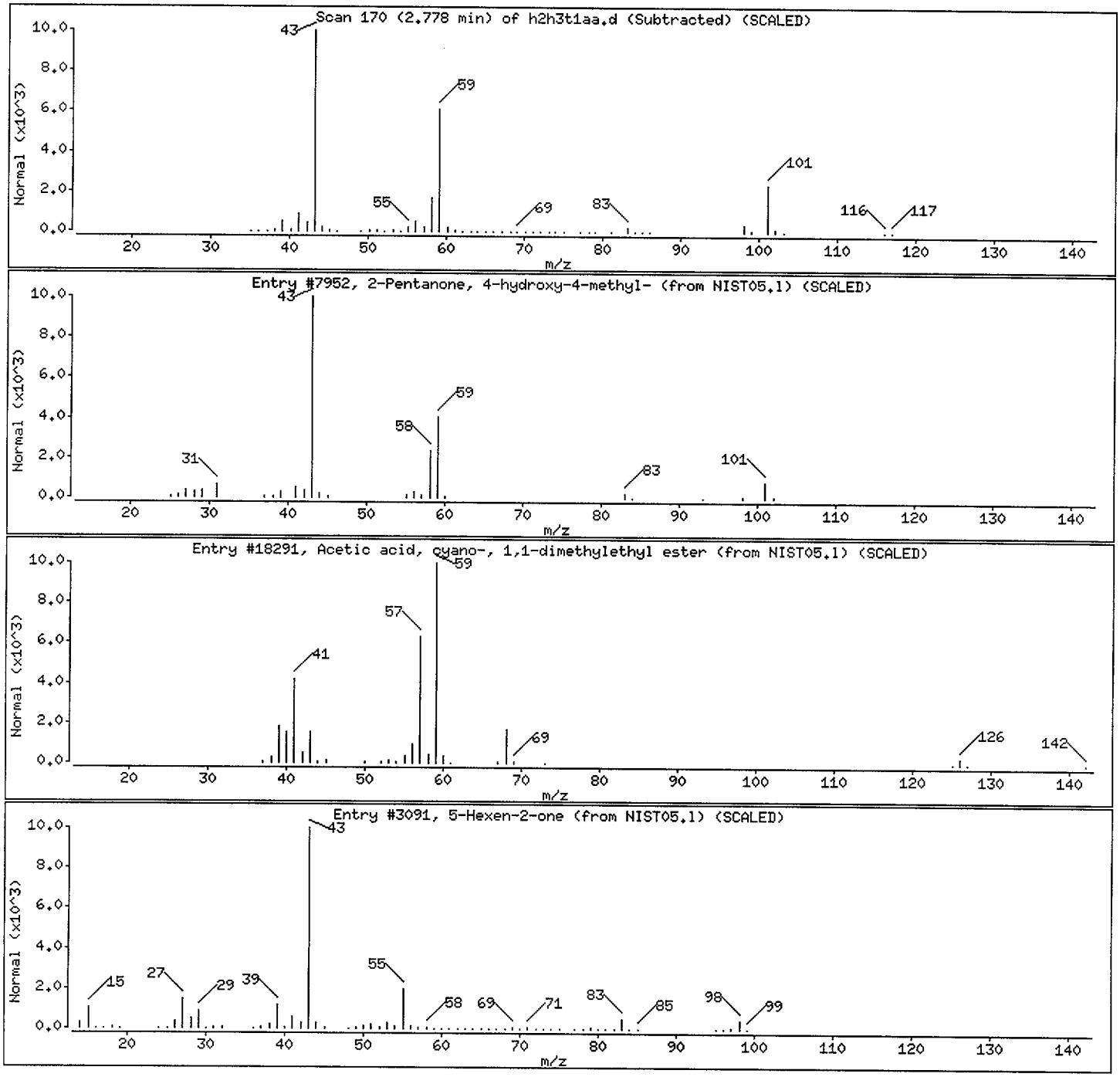
Client ID: G-3025/3026-R2-MM5 Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.l	7952	56	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.l	18291	17	C7H11NO2	141
5-Hexen-2-one	109-49-9	NIST05.l	3091	9	C6H10O	98



Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

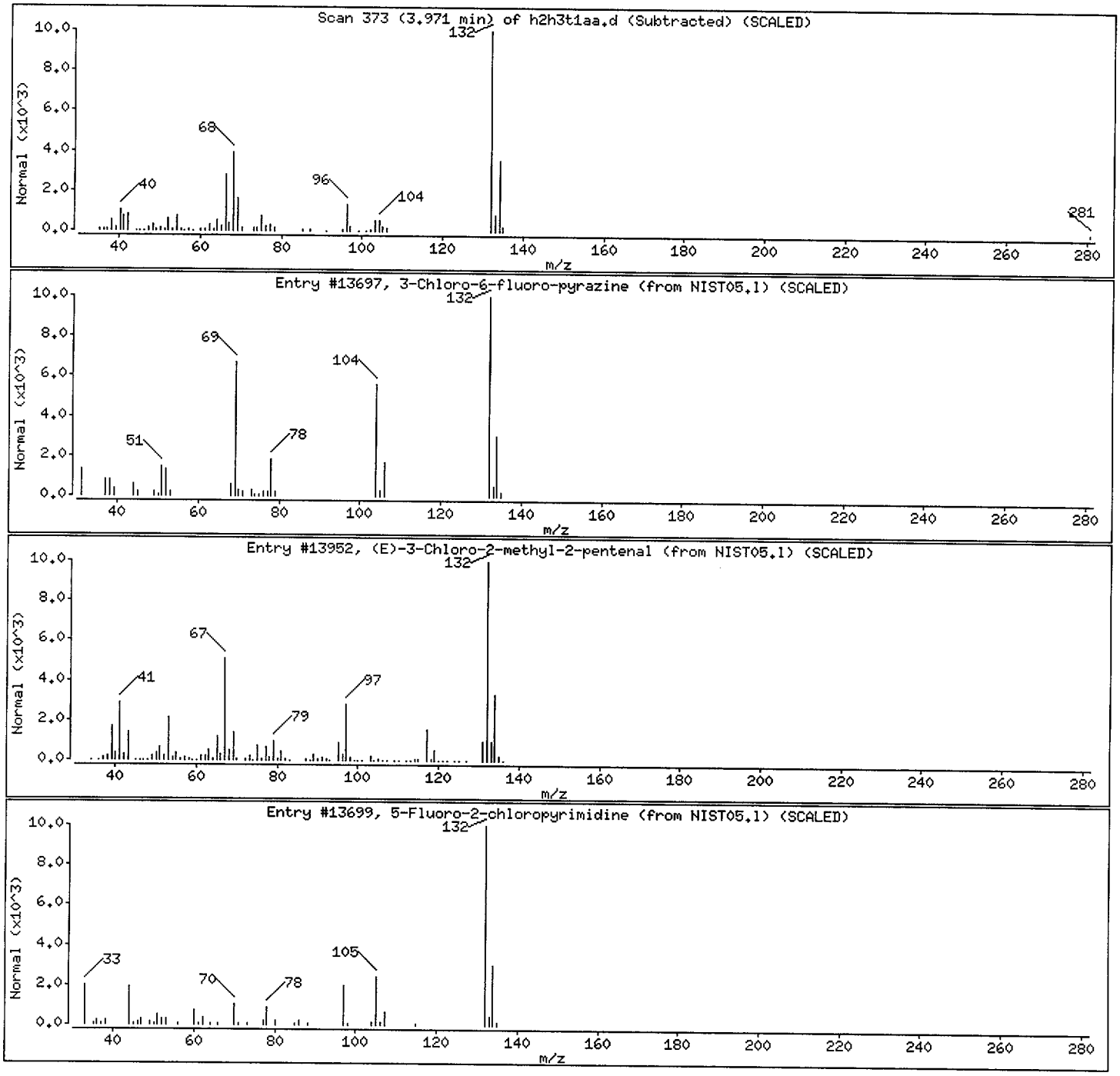
Client ID: G-3025/3026-R2-MM5 Instrument: md.i

Sample Info: H2H3T1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	27	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	16	C6H9ClO	132
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	12	C4H2ClFN2	132



Data File: /var/chem/gcms/md.i/D042806.b/h2h3t1aa.d

Date : 28-APR-2006 12:37

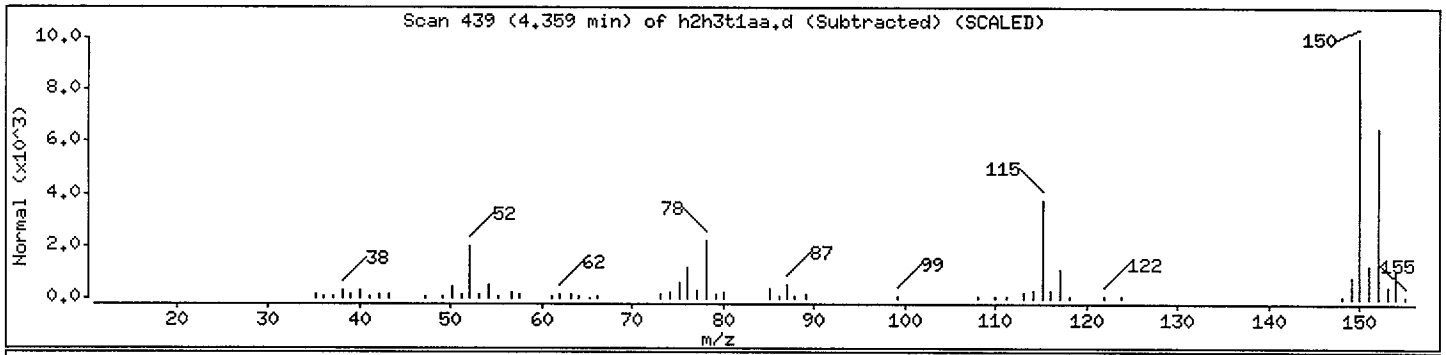
Client ID: G-3025/3026-R2-MM5 Instrument: md.i

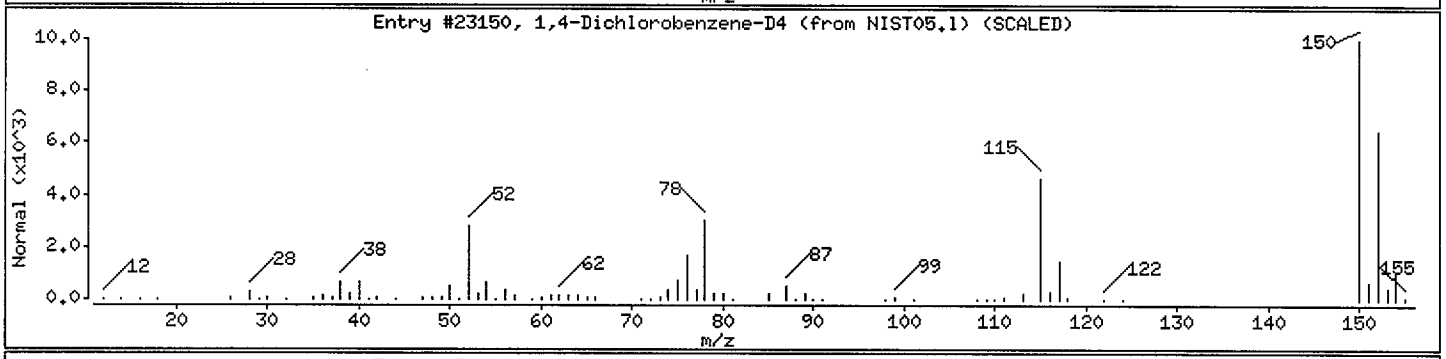
Sample Info: H2H3T1AA,,0,,,,

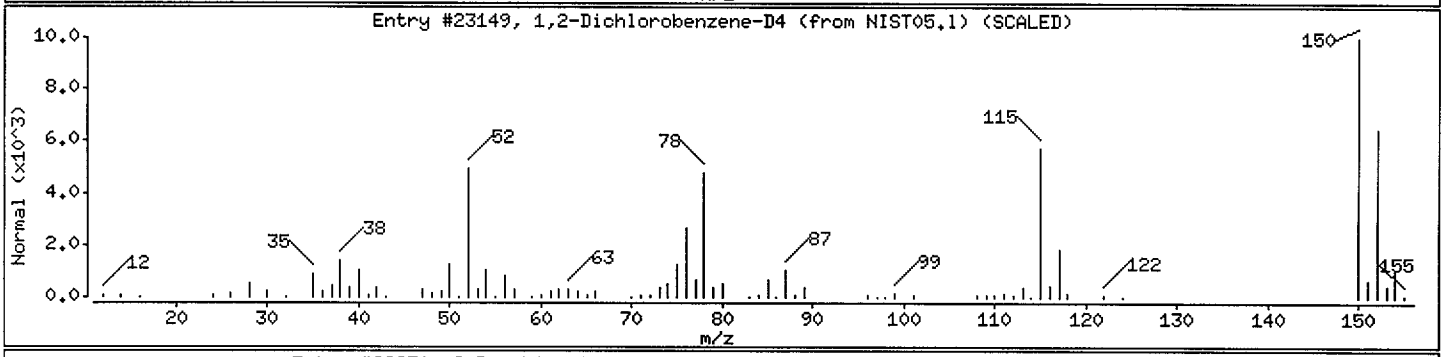
Volume Injected (uL): 1.0 Operator: 60841

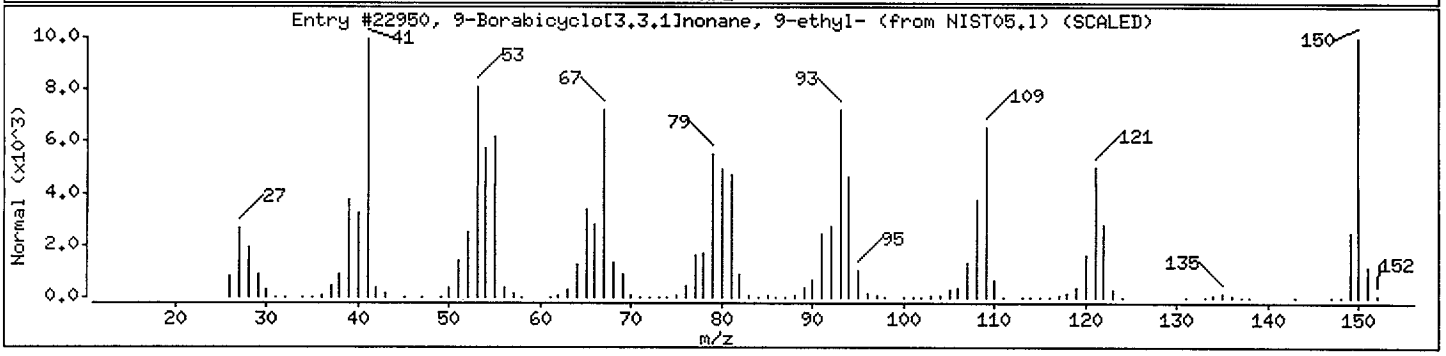
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	96	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	43	C10H19B	150









STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	40	(19 - 100)
Phenol-d5	38	(15 - 124)
Nitrobenzene-d5	47	(35 - 122)
2-Fluorobiphenyl	55	(34 - 115)
2,4,6-Tribromophenol	51	(33 - 130)
Terphenyl-d14	68	(28 - 132)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Report Date: 03-May-2006 09:59

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Lab Smp Id: H2H3V1AA
Client Smp ID: G-3027/3028-R2-MM5
Inj Date : 28-APR-2006 19:15
Operator : 60841
Inst ID: md.i
Smp Info : H2H3V1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 09:58 mcgeek
Quant Type: ISTD
Cal Date : 27-APR-2006 15:00
Cal File: bbdd271.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.50000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	71950	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	251416	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	178100	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	319258	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	311785	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	279850	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	152146	30.2382	60.5
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	171640	28.2797	56.6
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	132347	23.3527	46.7
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	324232	27.6149	55.2(R)
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	78027	38.5432	77.1
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	515191	33.9728	67.9(R)
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	4595	1.29349	~~2.59~~

KEM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Report Date: 03-May-2006 09:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	12763	1.12381	2.25
184 Benzaldehyde	105	3.971	3.742	(0.955)	3225	0.98156	~~1.96~~
185 Benzonitrile	103	3.971	3.935	(0.955)	8113	1.10265	~~2.20~~

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Report Date: 03-May-2006 09:59

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3v1aa.d
Lab Smp Id: H2H3V1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3027/3028-R2-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	71950	16.96
2 Naphthalene-d8	201763	100882	403526	251416	24.61
3 Acenaphthene-d10	143273	71636	286546	178100	24.31
4 Phenanthrene-d10	247023	123512	494046	319258	29.24
5 Chrysene-d12	265356	132678	530712	311785	17.50
6 Perylene-d12	233795	116898	467590	279850	19.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	-0.01
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.11
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Report Date: 03-May-2006 17:03

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H3V1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

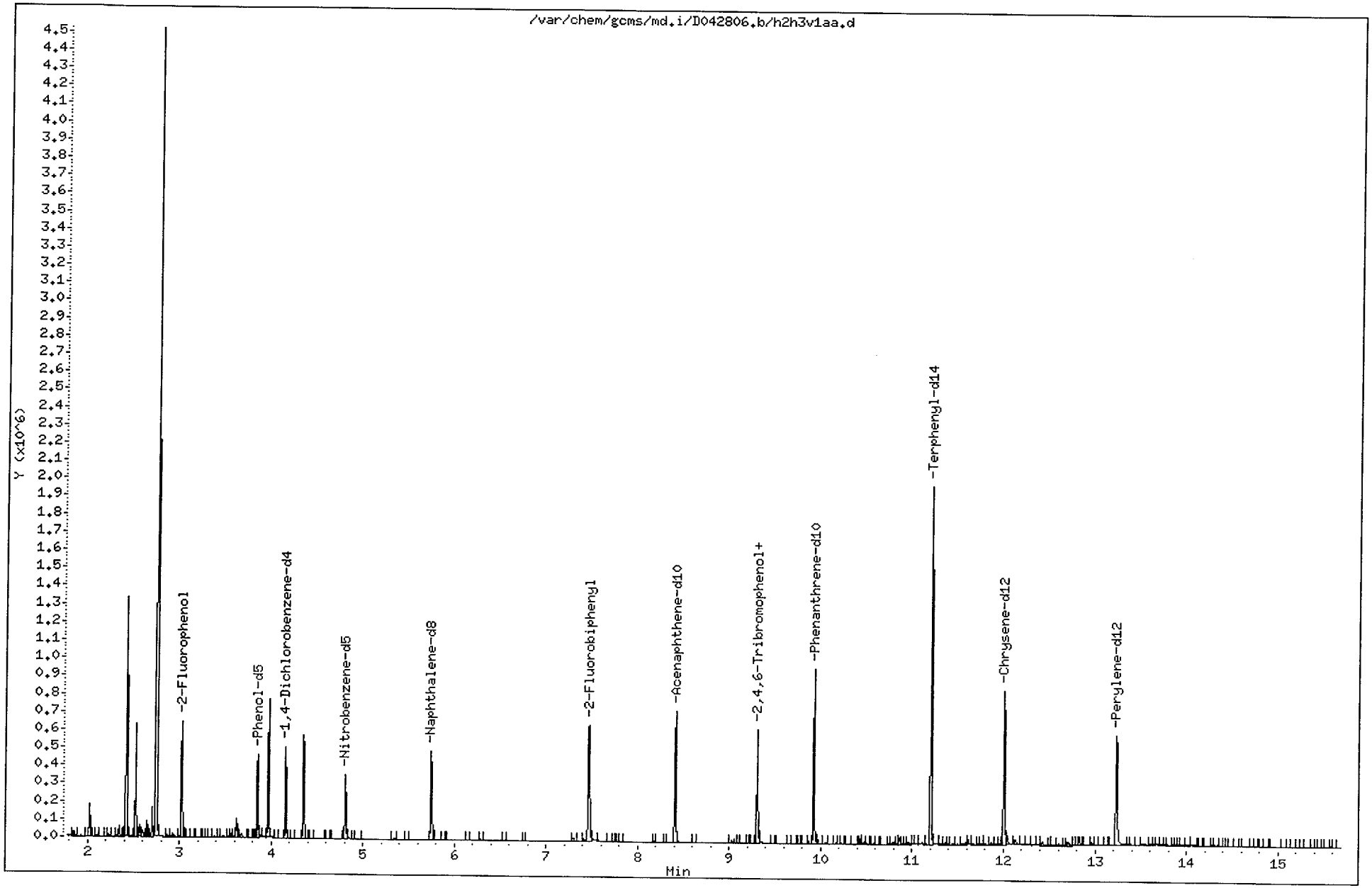
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3027/3028-R2-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ng/uL	AMOUNT RECOVERED ng/uL	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	30.2	40.32	19-100
$ 8 Phenol-d5	75.0	28.3	37.71	15-124
$ 9 Nitrobenzene-d5	50.0	23.4	46.71	42-104
$ 10 2-Fluorobiphenyl	50.0	27.6	55.23	51-103
$ 11 2,4,6-Tribromophen	75.0	38.5	51.39	33-130
$ 12 Terphenyl-d14	50.0	34.0	67.95	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Date : 28-APR-2006 19:15
Client ID: G-3027/3028-R2-MM5
Sample Info: H2H3V1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

Volume Injected (uL): 1.0

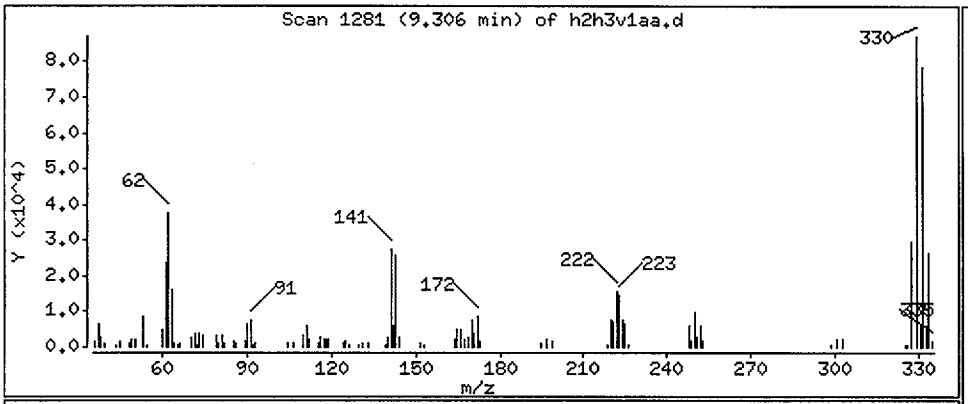
Operator: 60841

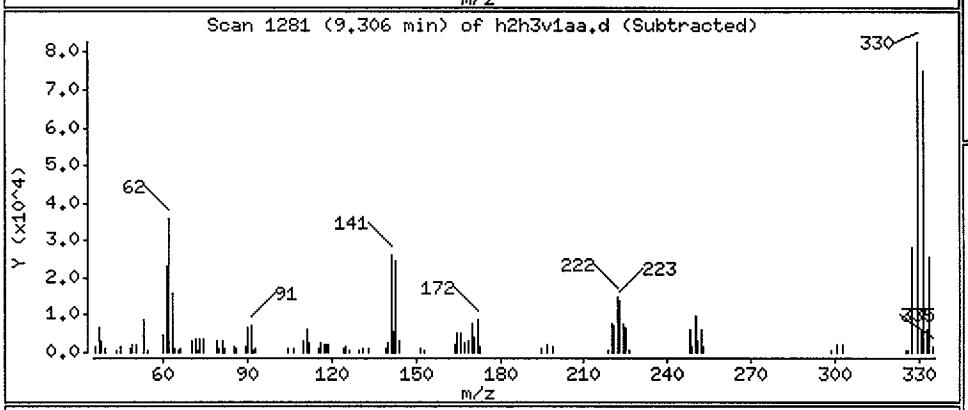
Column phase: ZB-5

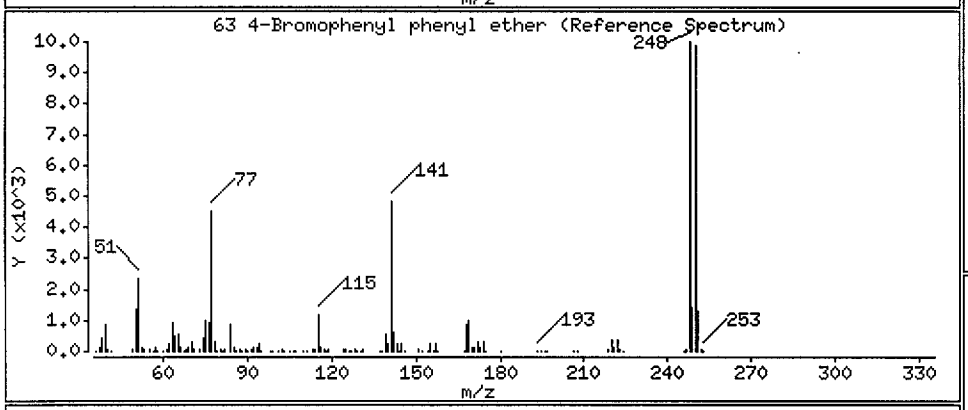
Column diameter: 0.25

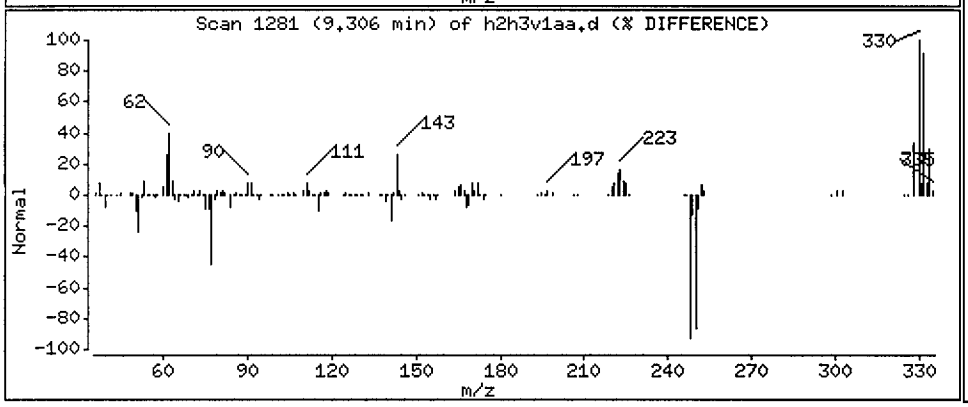
63 4-Bromophenyl phenyl ether

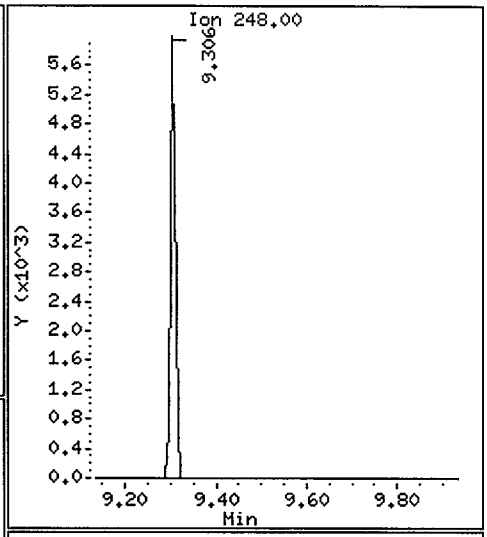
Concentration: 2.59 ug

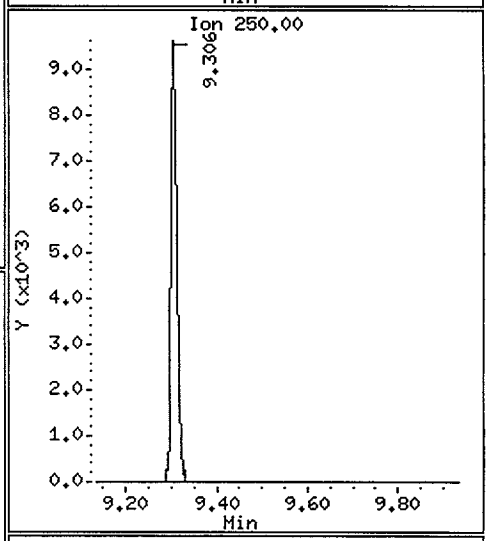


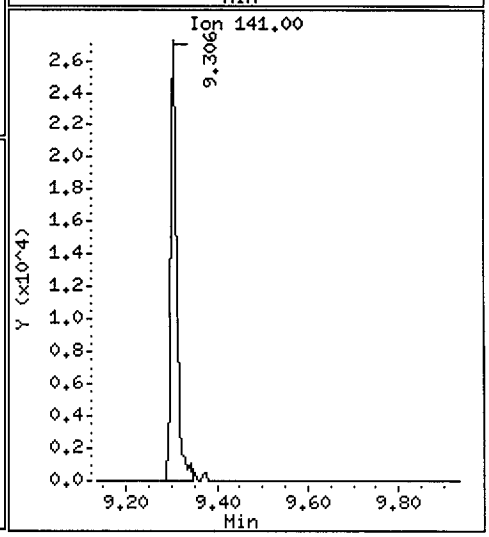












Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

Volume Injected (uL): 1.0

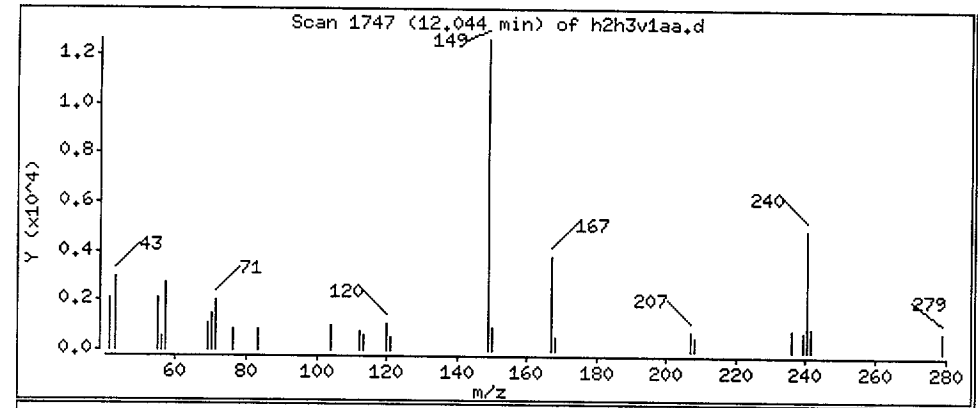
Operator: 60841

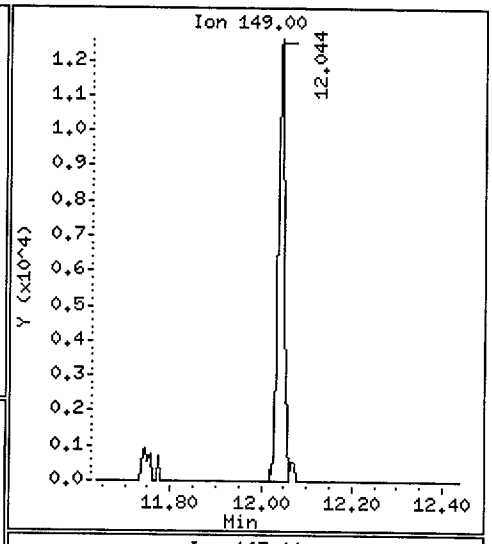
Column phase: ZB-5

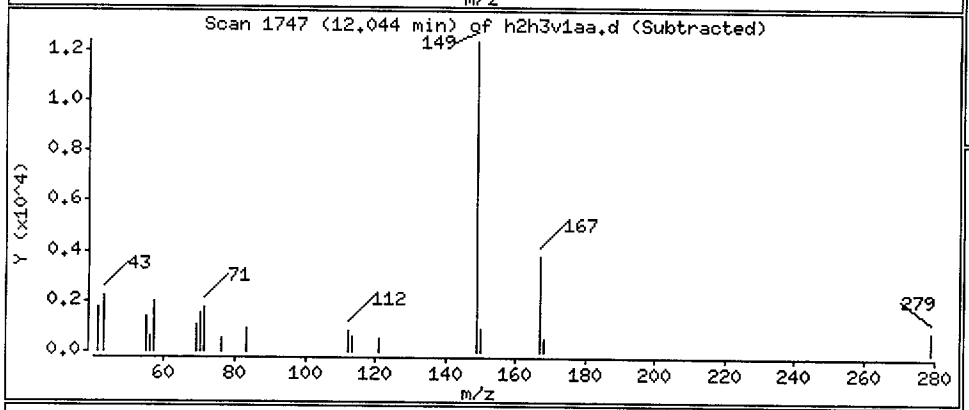
Column diameter: 0.25

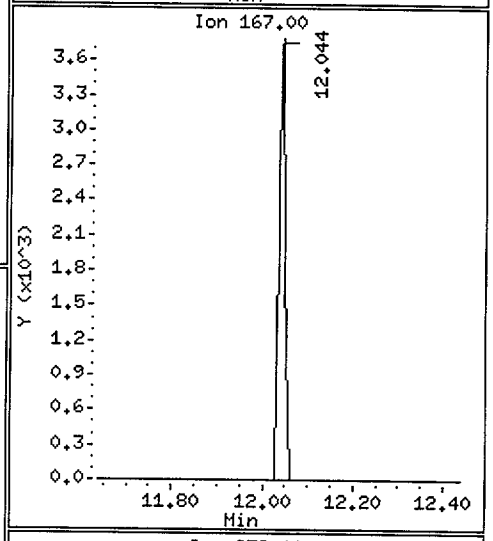
76 Bis(2-ethylhexyl) phthalate

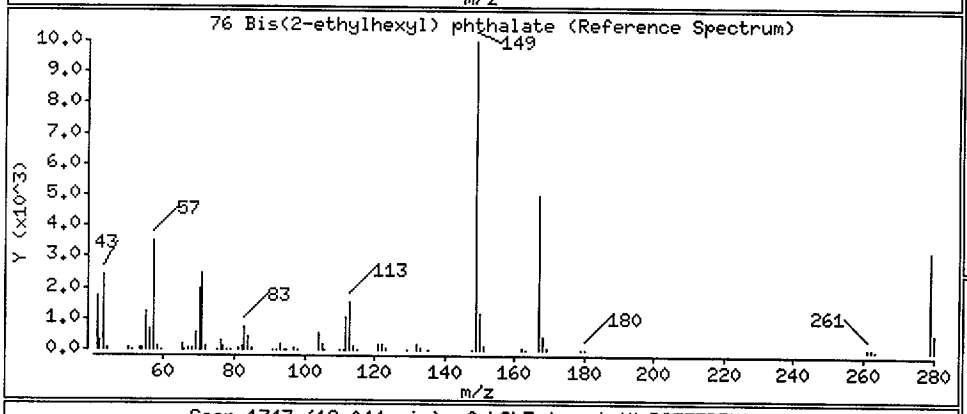
Concentration: 2.25 ug

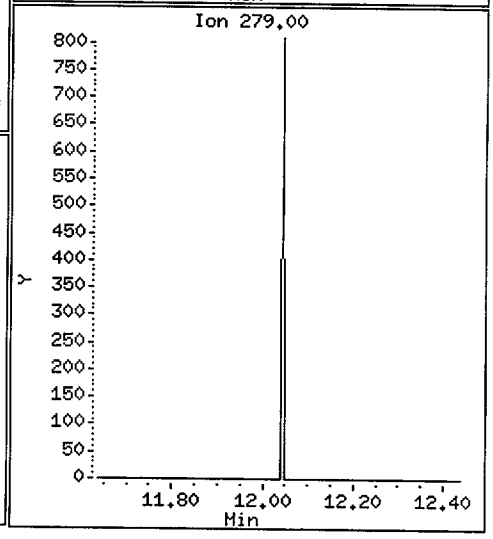


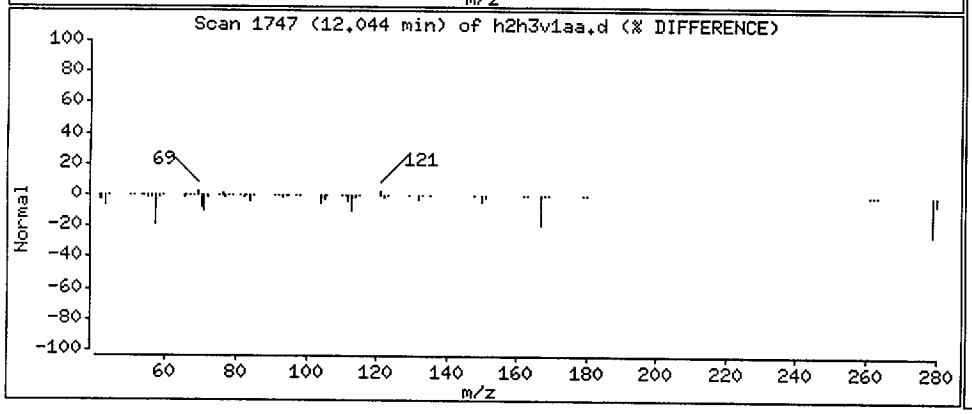












Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

Volume Injected (uL): 1.0

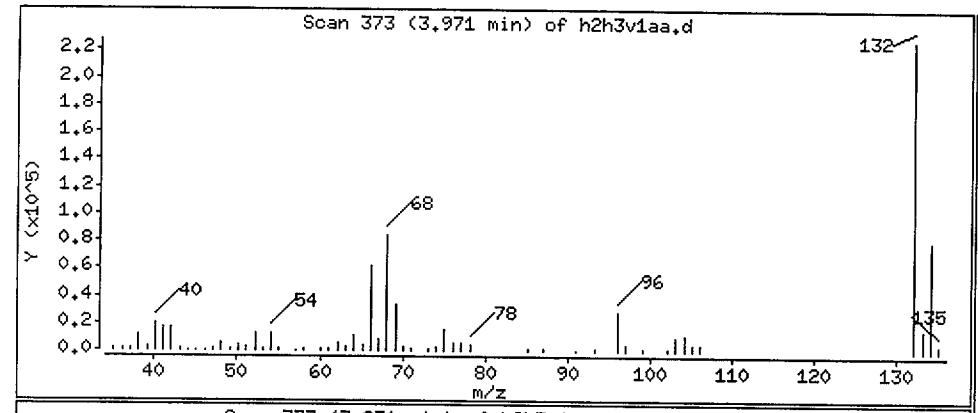
Operator: 60841

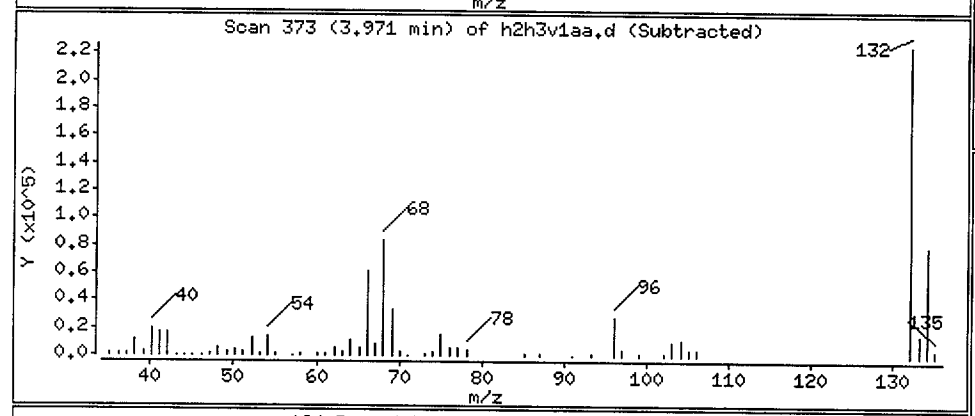
Column phase: ZB-5

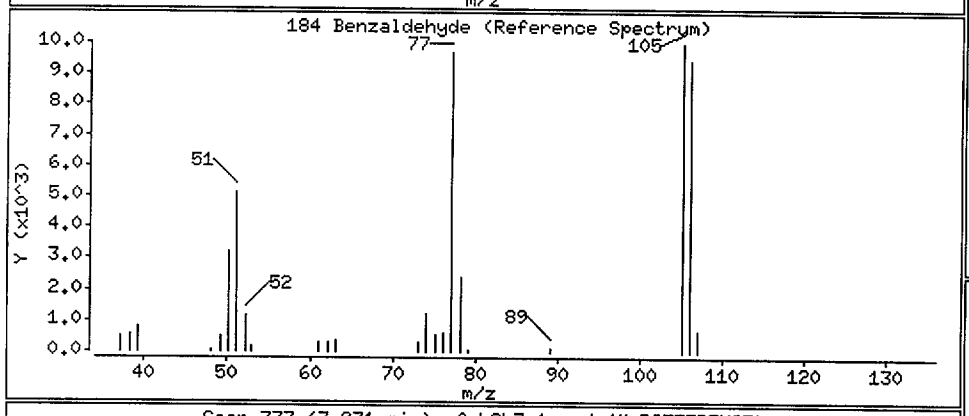
Column diameter: 0.25

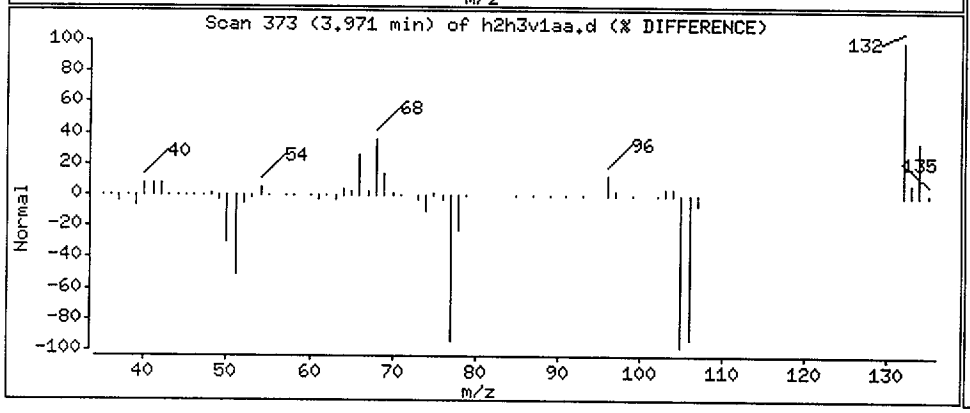
184 Benzaldehyde

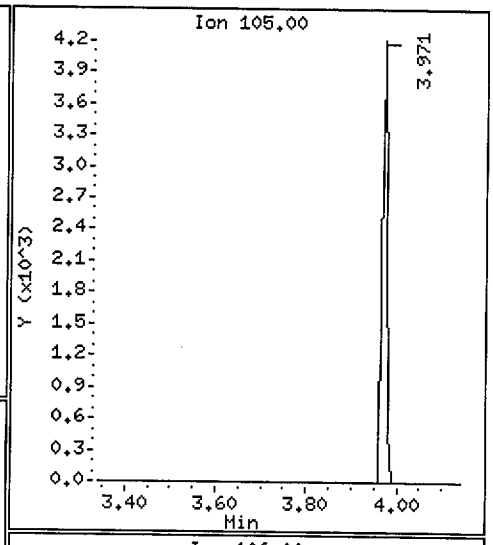
Concentration: 1.96 ug

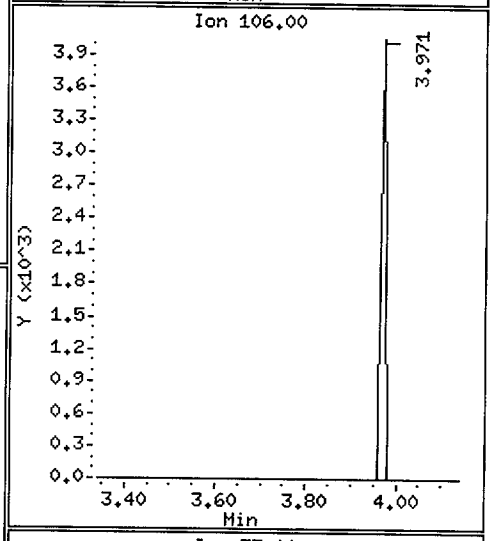


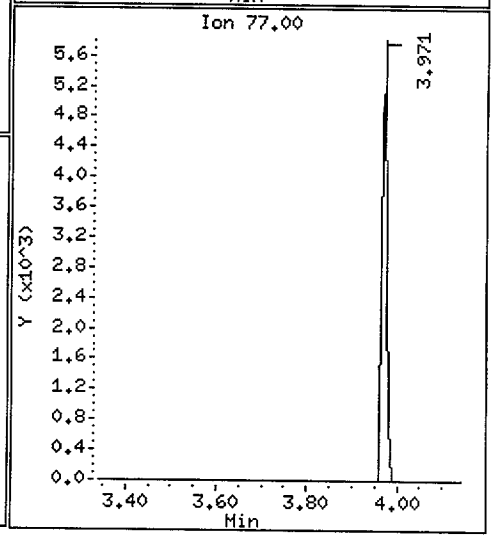












Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

Volume Injected (uL): 1.0

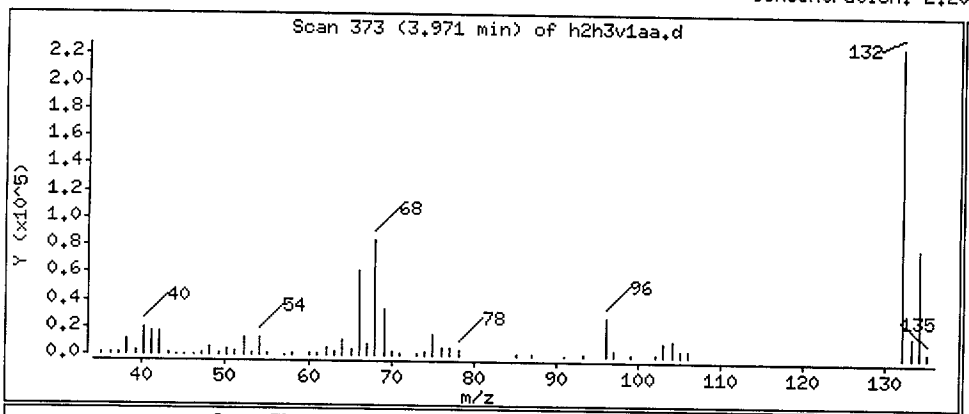
Operator: 60841

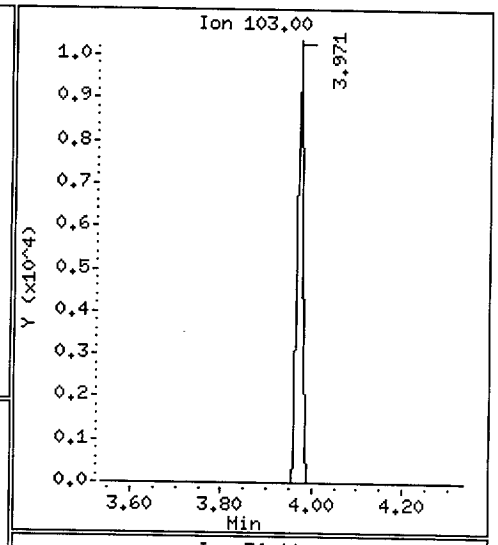
Column phase: ZB-5

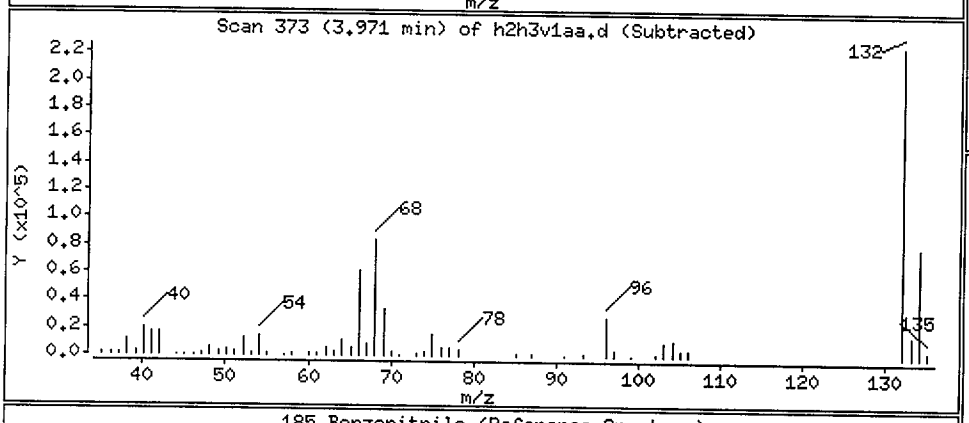
Column diameter: 0.25

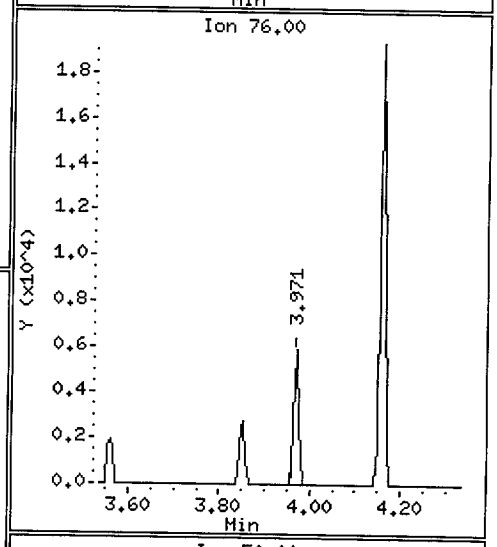
185 Benzonitrile

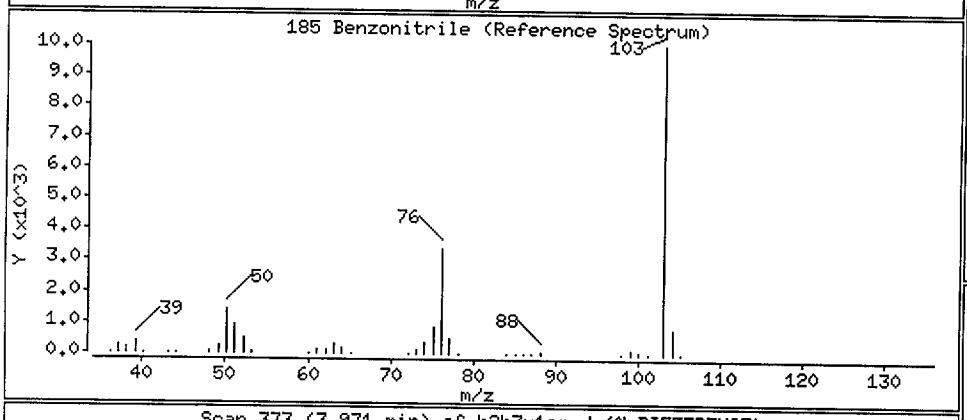
Concentration: 2.20 ug

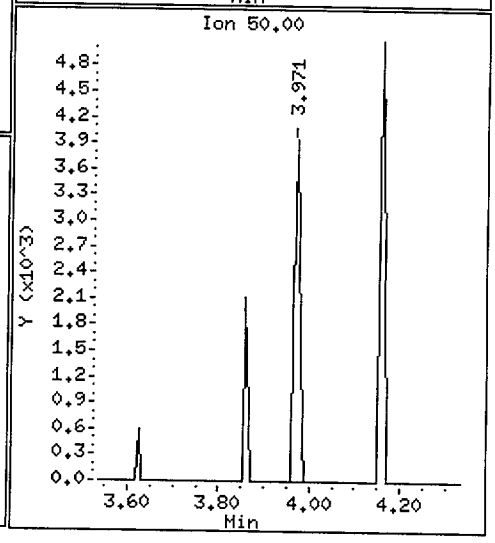


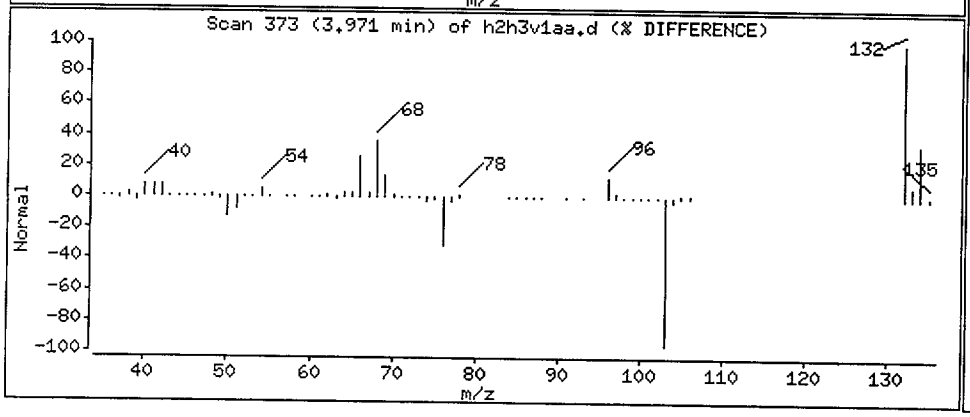












Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Report Date: 03-May-2006 10:28

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Lab Smp Id: H2H3V1AA Client Smp ID: G-3027/3028-R2-MM5
Inj Date : 28-APR-2006 19:15
Operator : 60841 Inst ID: md.i
Smp Info : H2H3V1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 10:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.50000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	503041	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Penten-2-one, (E)-				CAS #: 3102-33-8			
2.026	181597	7.21996815	14.4	91	NIST05.1	1391	1
3-Penten-2-one, 4-methyl-				CAS #: 141-79-7			
2.425	1330068	52.8810972	106	95	NIST05.1	3178	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d
Report Date: 03-May-2006 10:28

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Malonic acid diisopropyl ester				CAS #: 13195-64-7			
2.525	629658	25.0340628	50.1	43	NIST05.1	49041	1
Heptane, 2,5-dimethyl-				CAS #: 2216-30-0			
2.702	169384	6.73440137	13.5	90	NIST05.1	12291	1
2-Pentanone, 4-hydroxy-4-methyl-				CAS #: 123-42-2			
2.749	4514029	179.469626	359	56	NIST05.1	7952	1
1-Propene, 1,2,3-trichloro-, (Z)-				CAS #: 13116-57-9			
3.624	109765	4.36405780	8.73	91	NIST05.1	19712	1
5-Fluoro-2-chloropyrimidine				CAS #: 62802-42-0			
3.971	766016	30.4554102	60.9	35	NIST05.1	13699	1
1,4-Dichlorobenzene-D4				CAS #: 3855-82-1			
4.353	579056	23.0222189	46.0	96	NIST05.1	23150	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

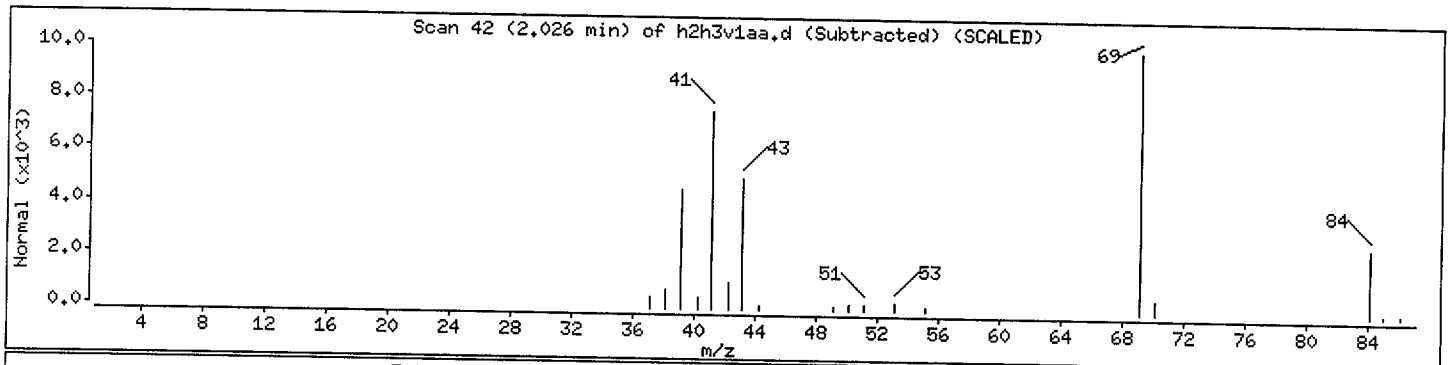
Volume Injected (uL): 1.0

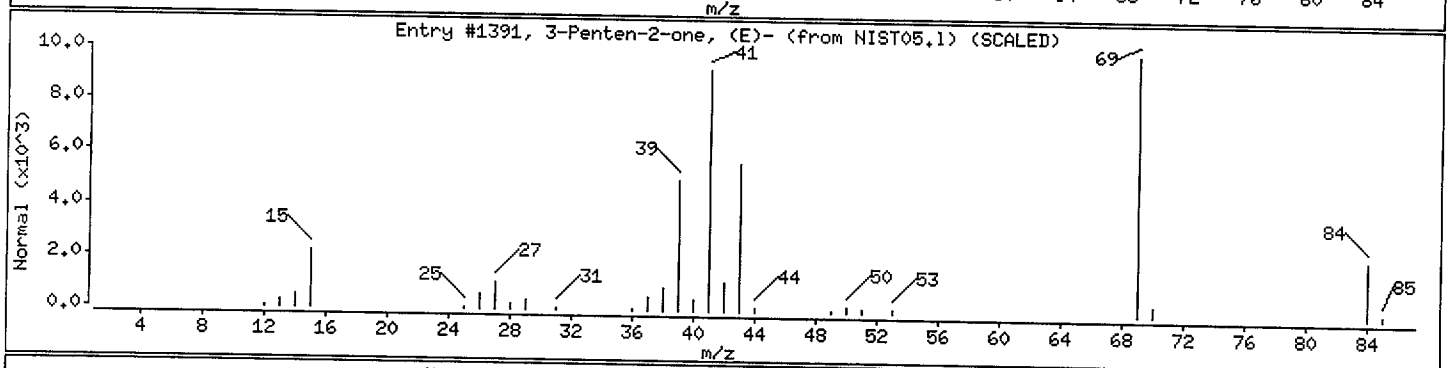
Operator: 60841

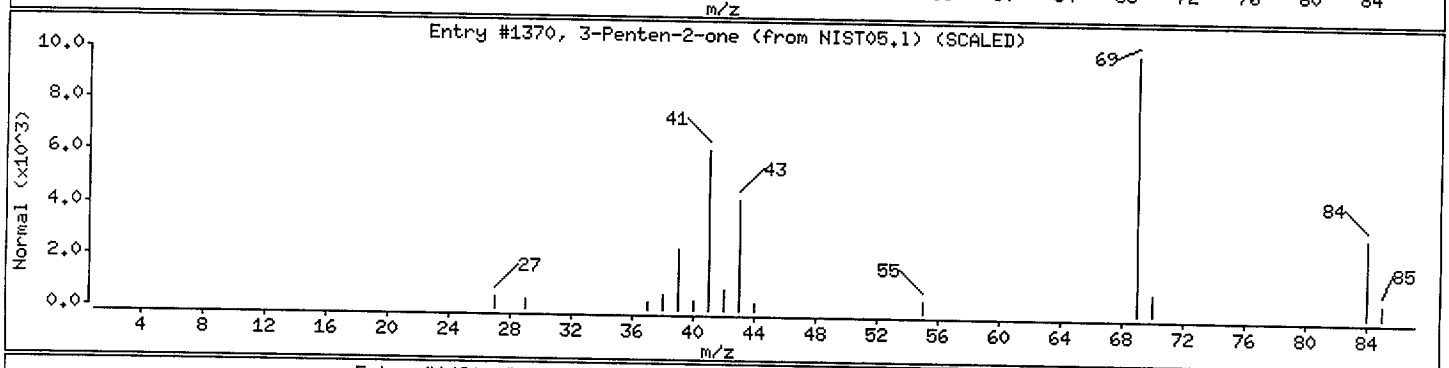
Column phase: ZB-5

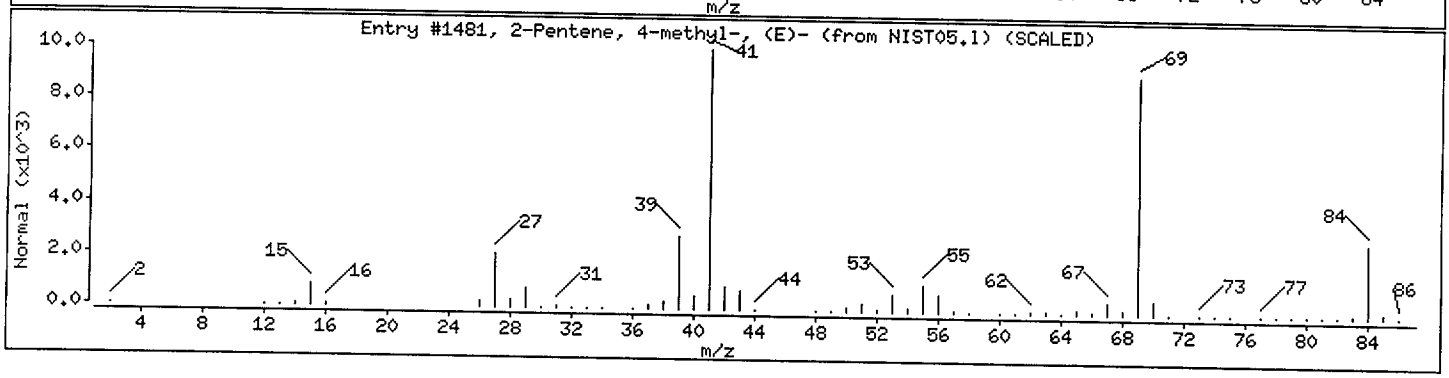
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, (E)-	3102-33-8	NIST05.1	1391	91	C5H8O	84
3-Penten-2-one	625-33-2	NIST05.1	1370	59	C5H8O	84
2-Pentene, 4-methyl-, (E)-	674-76-0	NIST05.1	1481	58	C6H12	84









Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

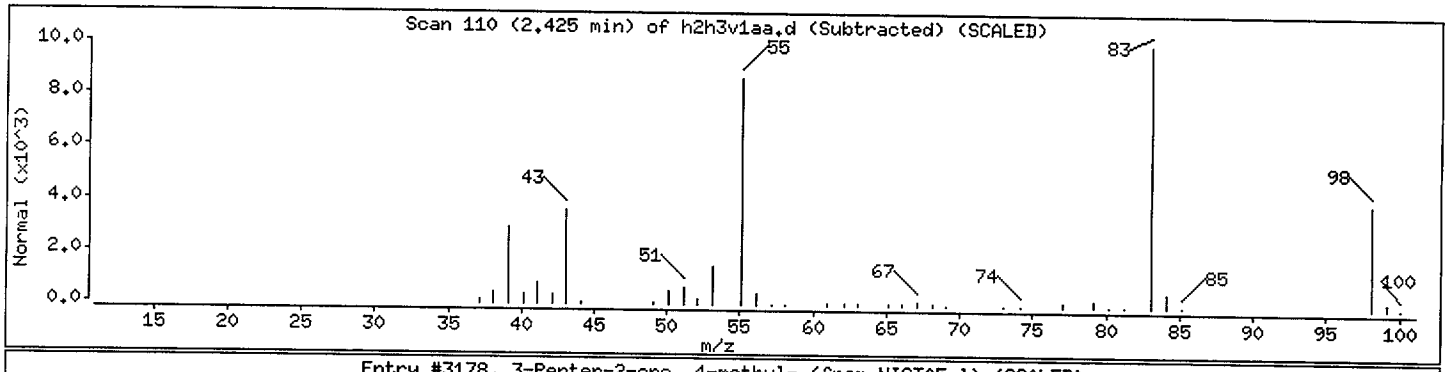
Volume Injected (uL): 1.0

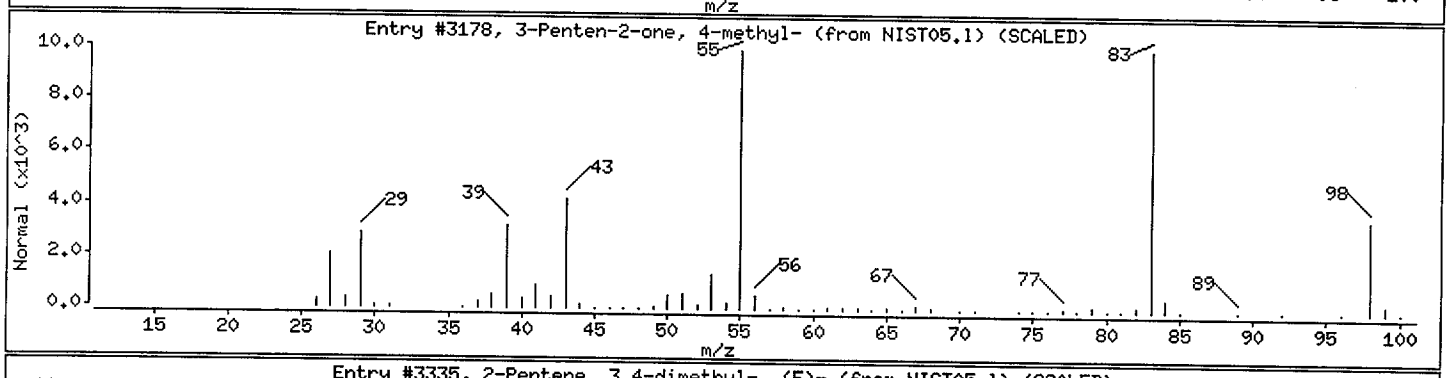
Operator: 60841

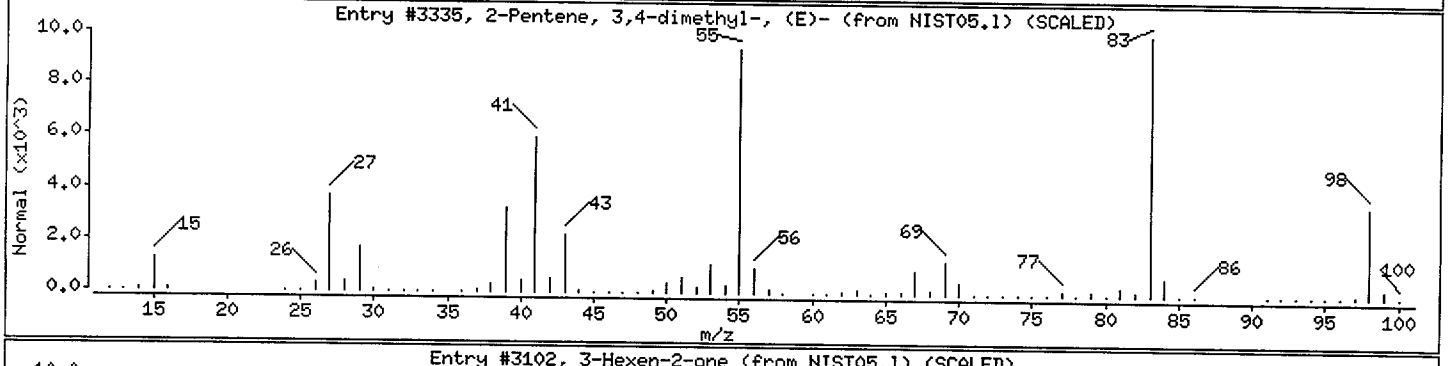
Column phase: ZB-5

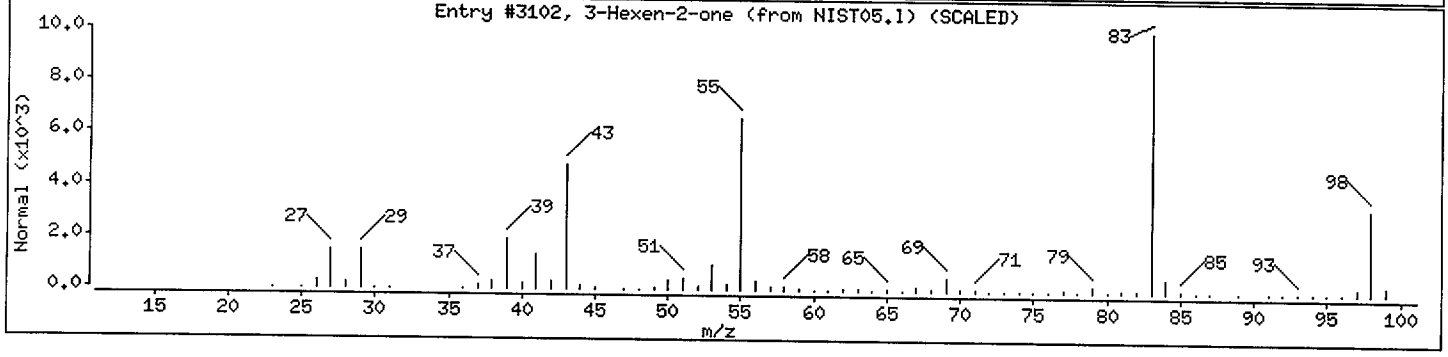
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3178	95	C6H10O	98
2-Pentene, 3,4-dimethyl-, (E)-	4914-92-5	NIST05.1	3335	90	C7H14	98
3-Hexen-2-one	763-93-9	NIST05.1	3102	90	C6H10O	98









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Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

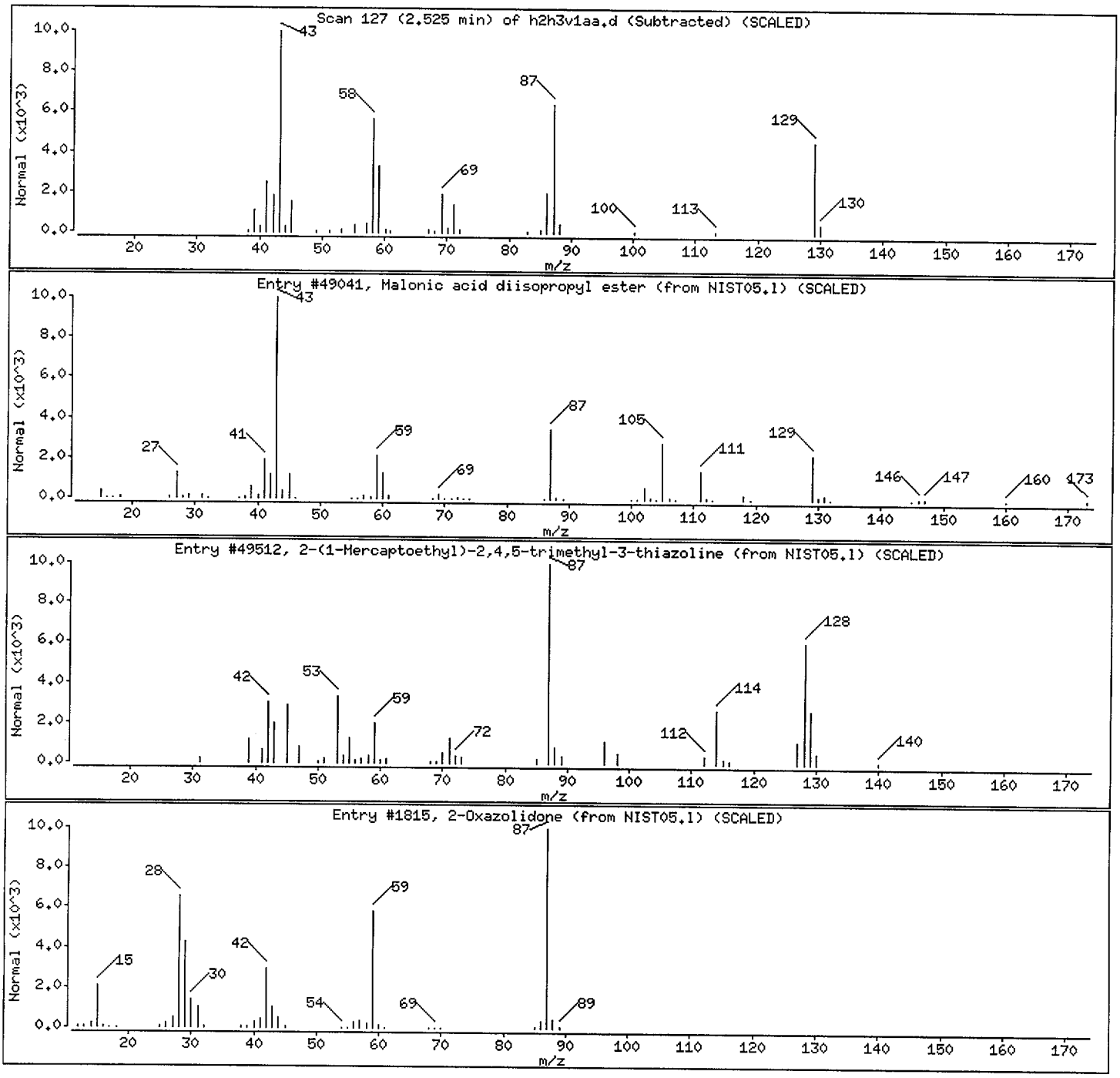
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Malonic acid diisopropyl ester	13195-64-7	NIST05.1	49041	43	C9H16O4	188
2-(1-Mercaptoethyl)-2,4,5-trimethyl-3-th	84310-28-1	NIST05.1	49512	25	C8H15NS2	189
2-Oxazolidone	497-25-6	NIST05.1	1815	25	C3H5NO2	87



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Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

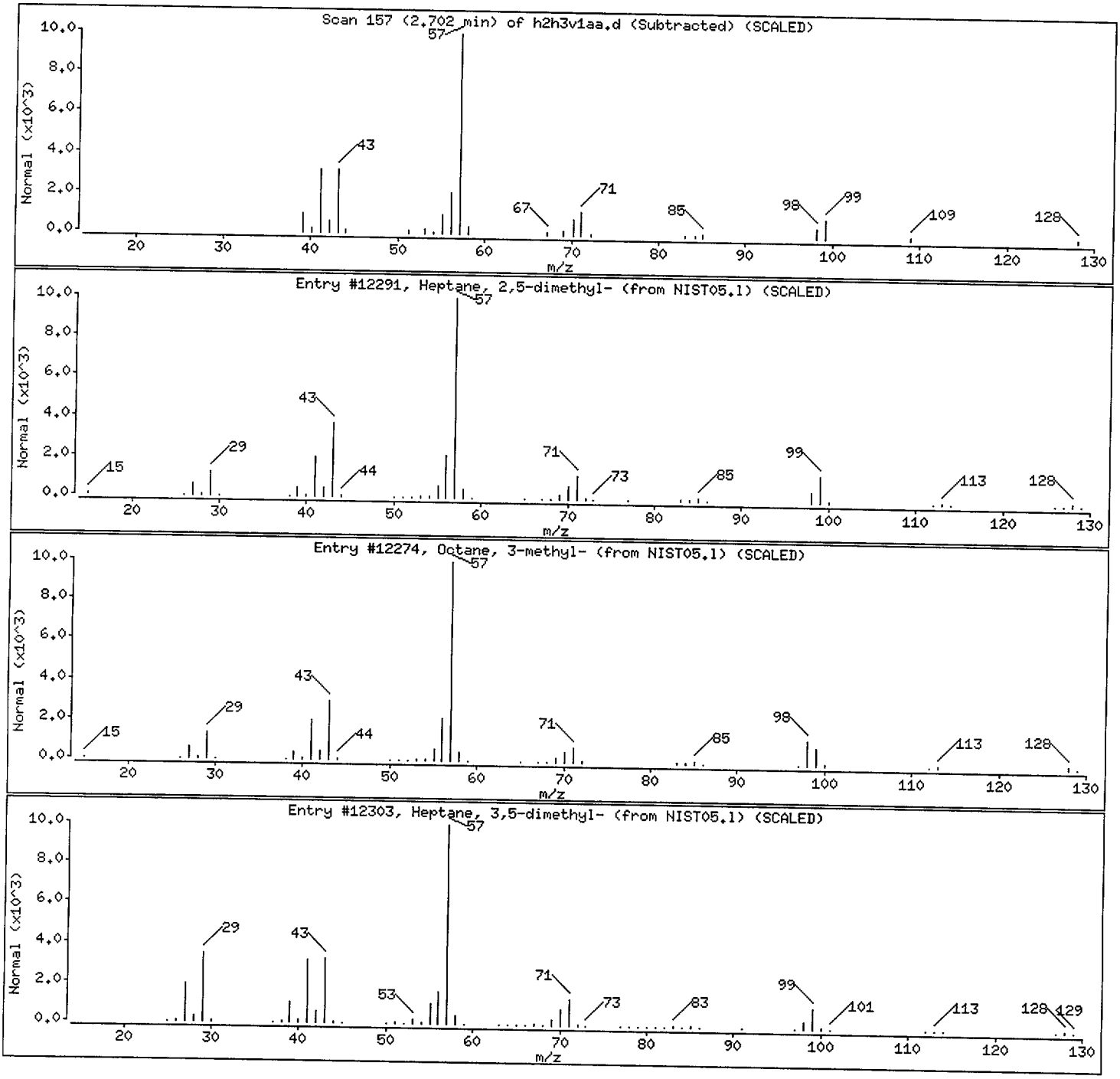
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 2,5-dimethyl-	2216-30-0	NIST05.1	12291	90	C9H20	128
Octane, 3-methyl-	2216-33-3	NIST05.1	12274	83	C9H20	128
Heptane, 3,5-dimethyl-	926-82-9	NIST05.1	12303	59	C9H20	128



Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

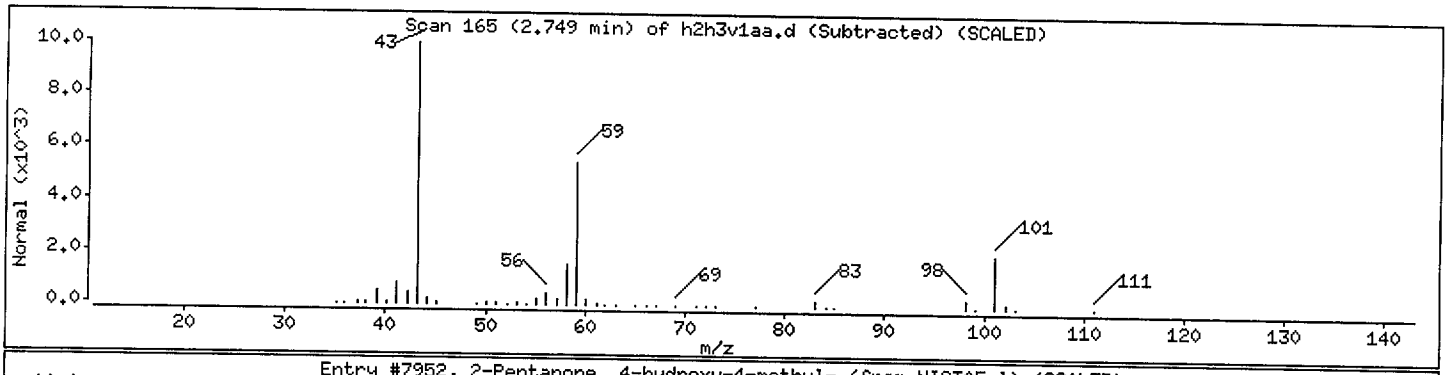
Volume Injected (uL): 1.0

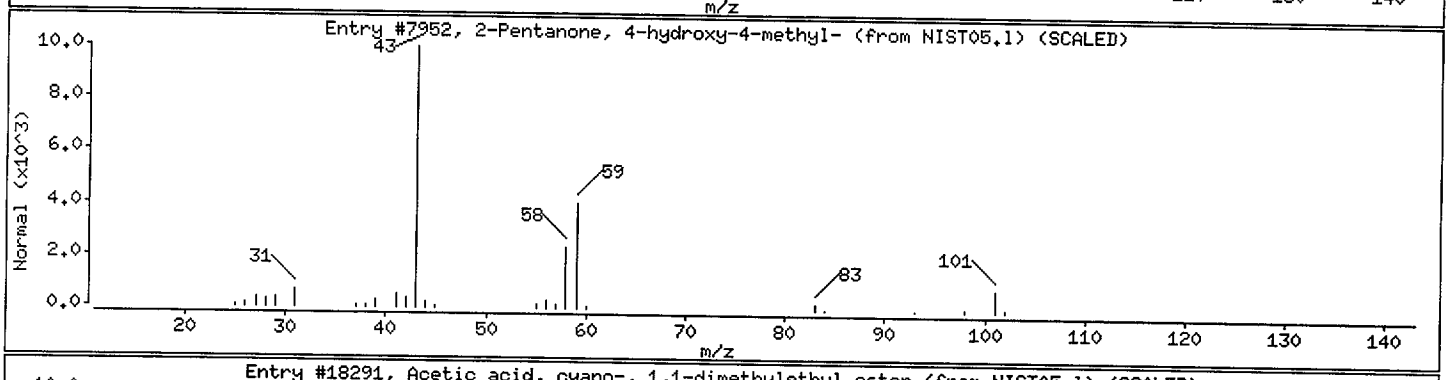
Operator: 60841

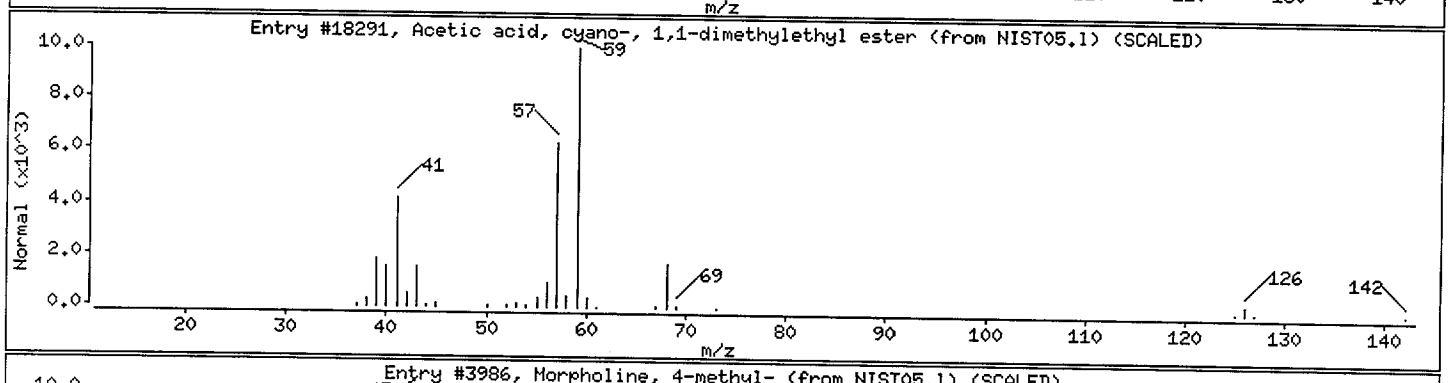
Column phase: ZB-5

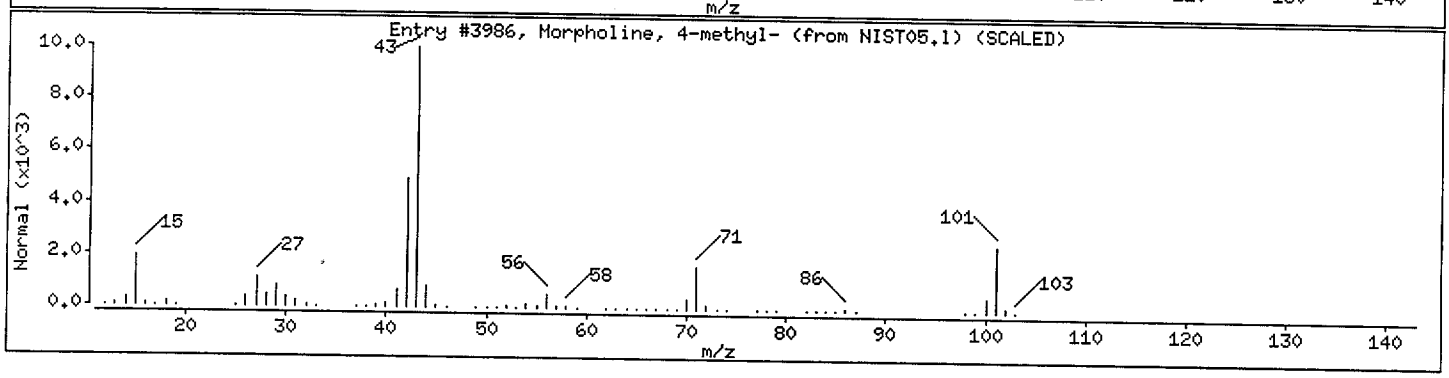
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7952	56	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.1	18291	17	C7H11NO2	141
Morpholine, 4-methyl-	109-02-4	NIST05.1	3986	9	C5H11NO	101









Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

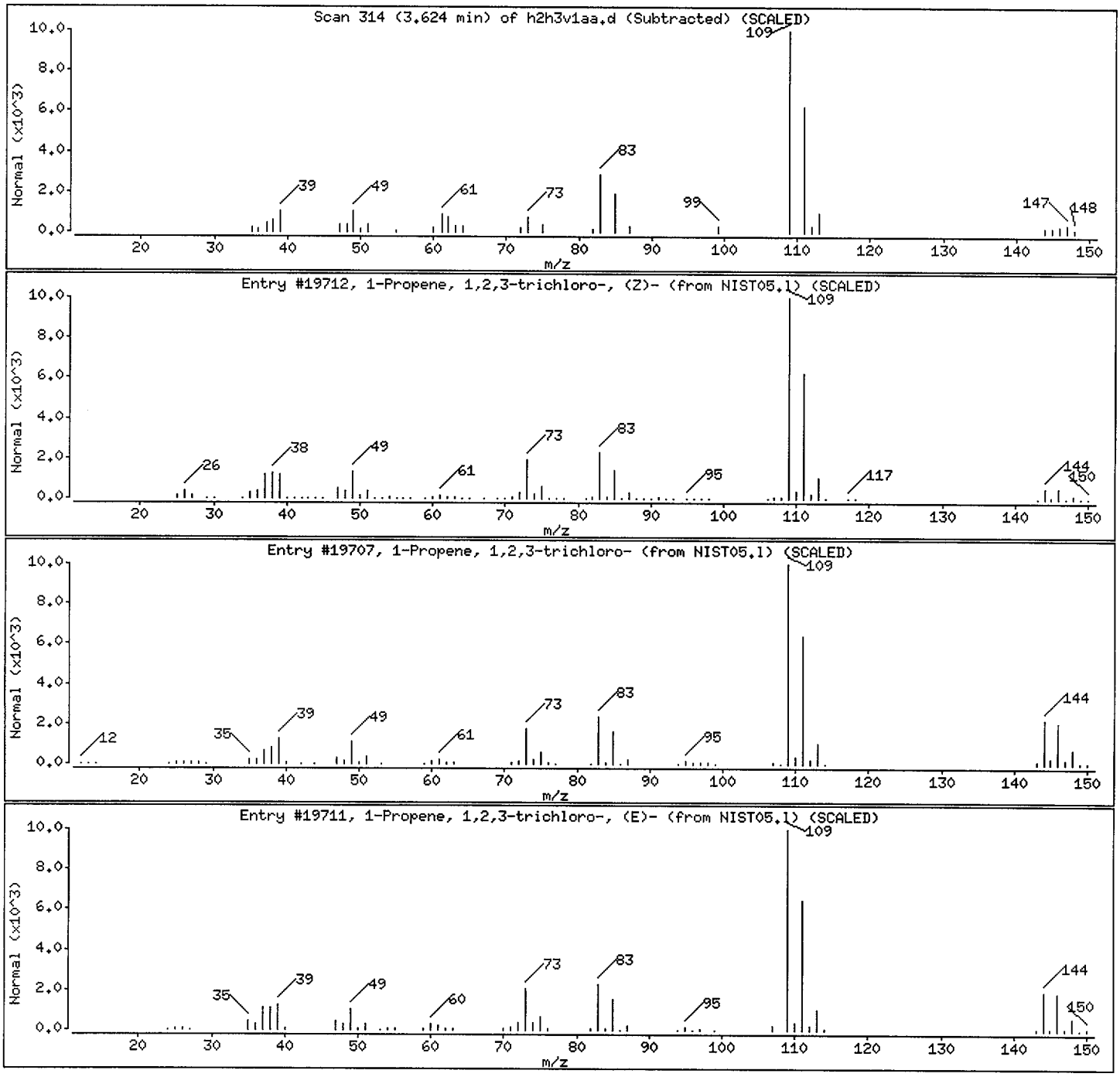
Client ID: G-3027/3028-R2-MM5 | Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

Volume Injected (uL): 1.0 | Operator: 60841

Column phase: ZB-5 | Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Propene, 1,2,3-trichloro-, (Z)-	13116-57-9	NIST05.l	19712	91	C3H3Cl3	144
1-Propene, 1,2,3-trichloro-	96-19-5	NIST05.l	19707	91	C3H3Cl3	144
1-Propene, 1,2,3-trichloro-, (E)-	13116-58-0	NIST05.l	19711	90	C3H3Cl3	144



Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

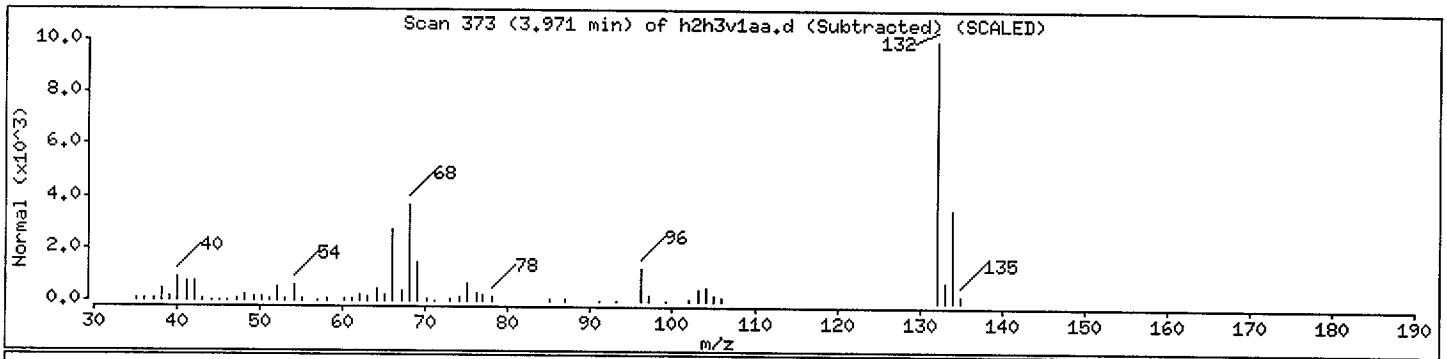
Client ID: G-3027/3028-R2-MM5 Instrument: md.i

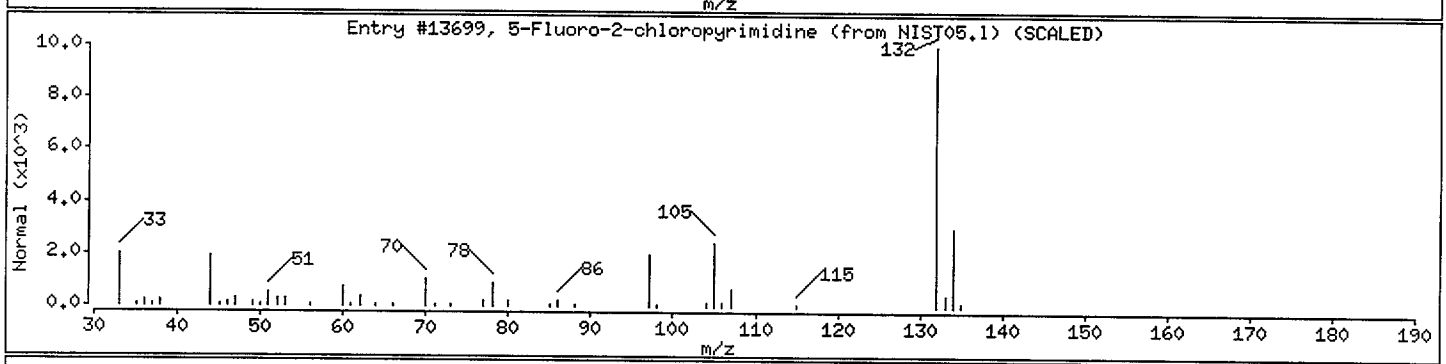
Sample Info: H2H3V1AA,,0,,,,

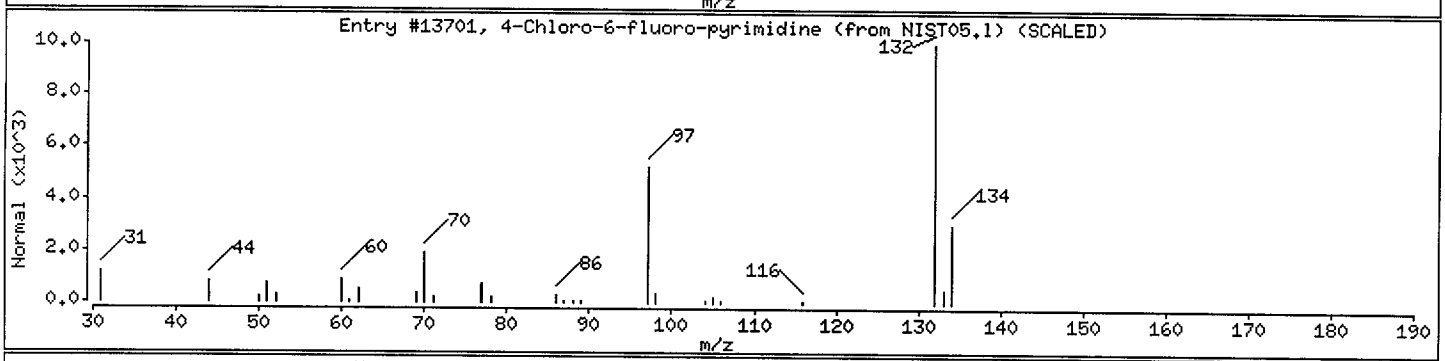
Volume Injected (uL): 1.0 Operator: 60841

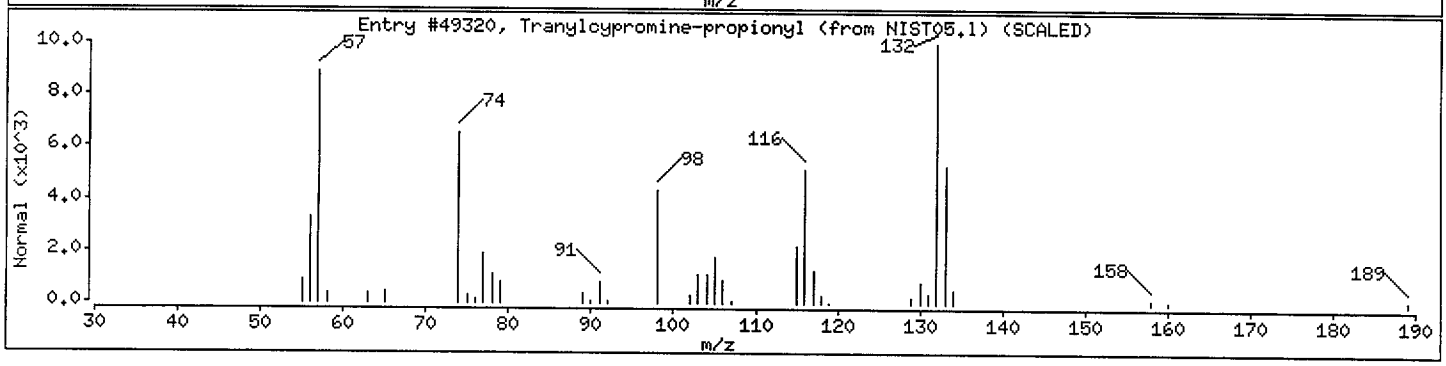
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	35	C4H2ClFN2	132
4-Chloro-6-fluoro-pyrimidine	51422-01-6	NIST05.1	13701	17	C4H2ClFN2	132
Tranylcypromine-propionyl	1000123-86-3	NIST05.1	49320	12	C12H15NO	189









Data File: /var/chem/gcms/md.i/D042806.b/h2h3v1aa.d

Date : 28-APR-2006 19:15

Client ID: G-3027/3028-R2-MM5

Instrument: md.i

Sample Info: H2H3V1AA,,0,,,,

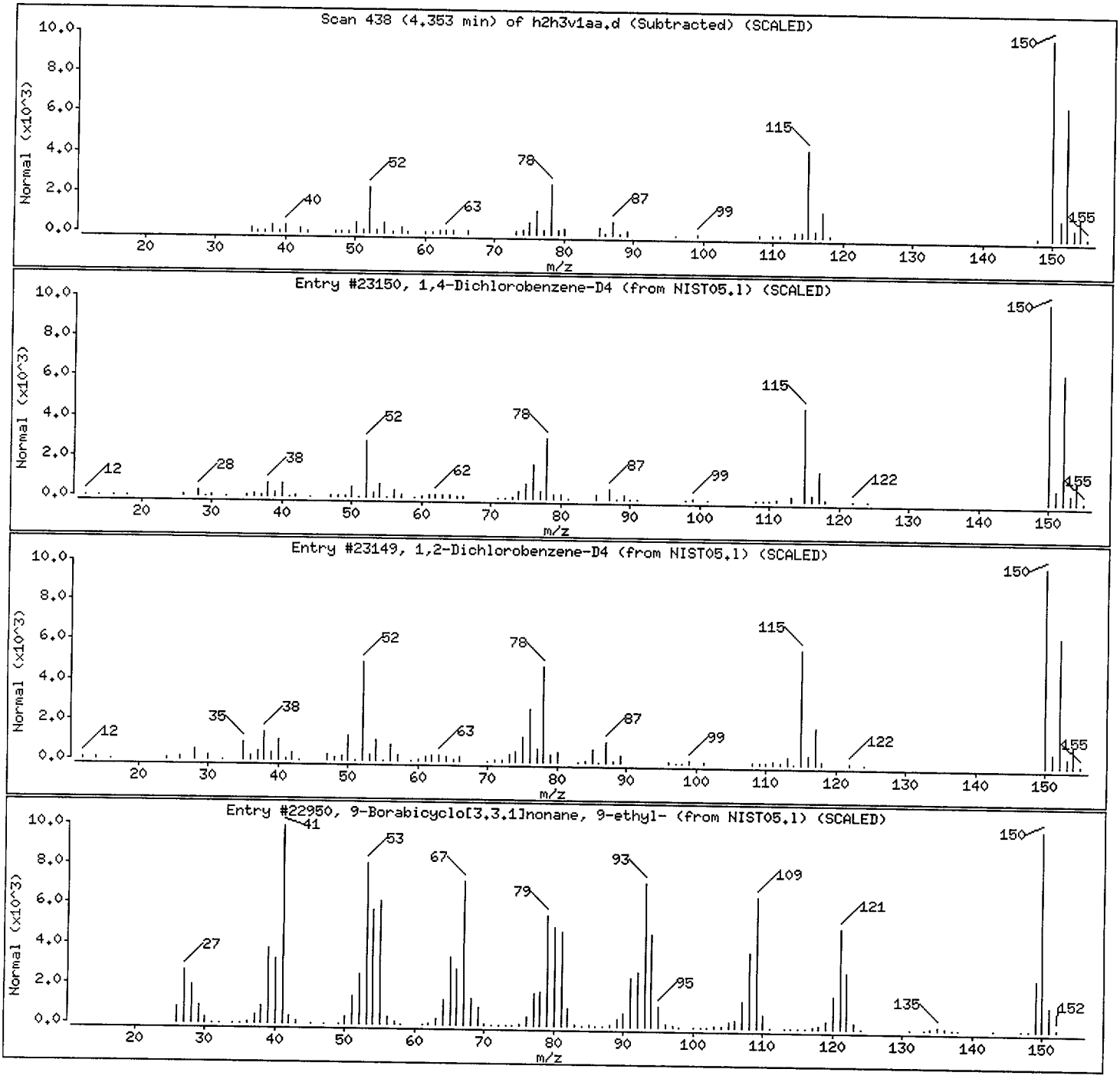
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	96	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	38	C10H19B	150



STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Lab Smp Id: H2H3W1AA Client Smp ID: G-3029-R2-MM5 TRAIN
Inj Date : 28-APR-2006 13:00
Operator : 60841 Inst ID: md.i
Smp Info : H2H3W1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	64816	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	228830	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	159127	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	294715	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	299844	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	283015	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	167450	36.9426	36.9
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	225731	41.2853	41.3
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	132469	25.6813	25.7
$ 10 2-Fluorobiphenyl	172	7.461	7.467	(0.887)	346734	33.0524	33.0
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	83031	44.4309	44.4
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	546473	37.4706	37.5
$ 179 13C6-naphthalene	134	5.775	5.775	(1.004)	2082545	141.333	141(A)

Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Report Date: 01-May-2006 10:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
34 Benzoic acid	122	5.481	5.504	(0.953)	43260	16.6439	16.6
38 4-Chloroaniline	127	5.775	5.898	(1.004)	2940	0.50917	~~0.509~~
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	5140	1.56726	~~1.57~~
84 Benzidine	184	11.204	11.016	(1.129)	6041	0.50015	~~0.500~~
184 Benzaldehyde	105	3.742	3.742	(0.900)	4407	1.48895	1.49
185 Benzonitrile	103	3.971	3.935	(0.955)	9165	1.38259	~~1.38~~

QC Flag Legend

KRM 5/1/06

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3w1aa.d
Lab Smp Id: H2H3W1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3029-R2-MM5 TRAIN
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	64816	5.37
2 Naphthalene-d8	201763	100882	403526	228830	13.42
3 Acenaphthene-d10	143273	71636	286546	159127	11.07
4 Phenanthrene-d10	247023	123512	494046	294715	19.31
5 Chrysene-d12	265356	132678	530712	299844	13.00
6 Perylene-d12	233795	116898	467590	283015	21.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

RECOVERY REPORT

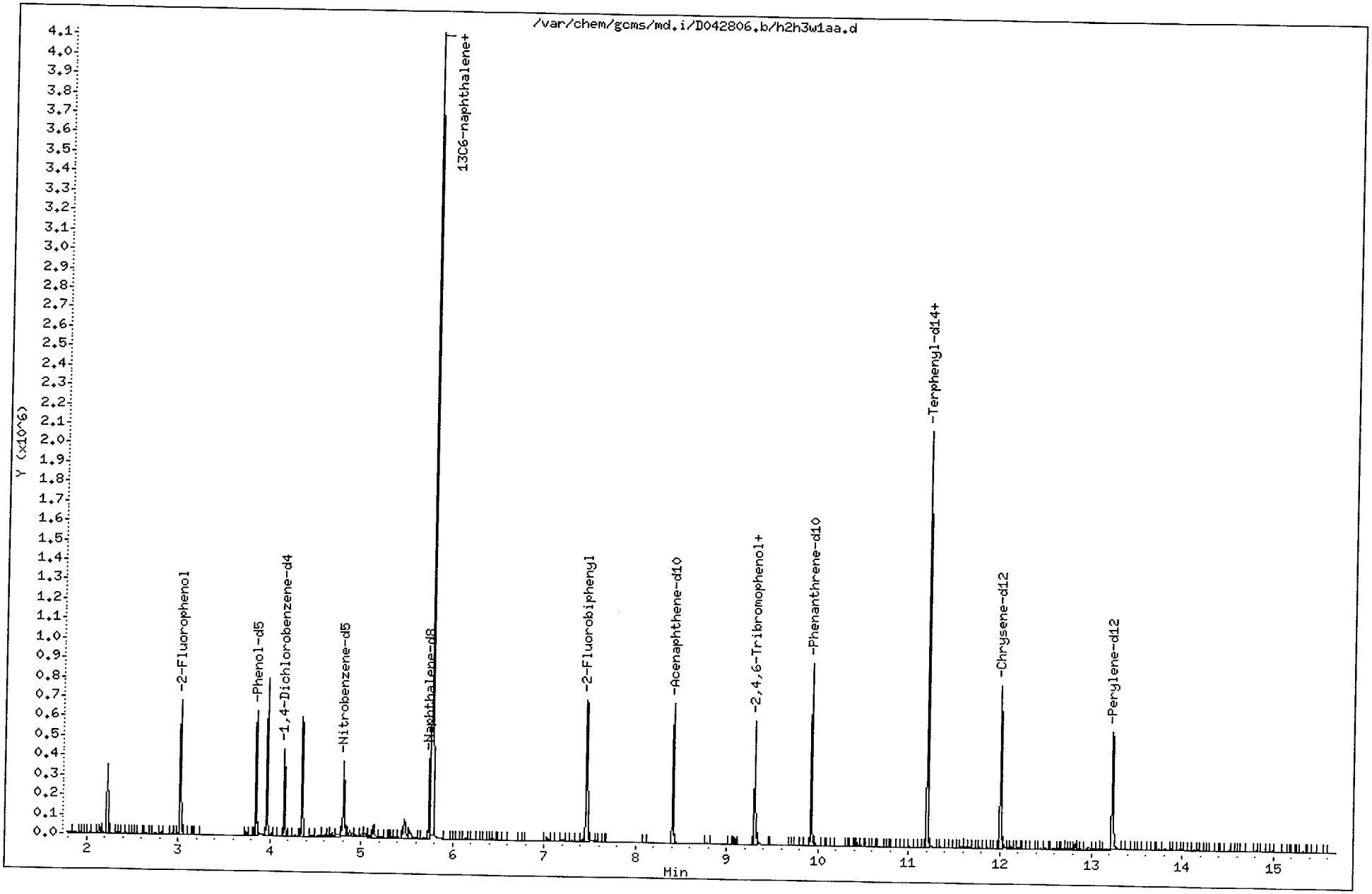
Client Name: STL Knoxville - ACS
Client SDG: H6D030245
Sample Matrix: GAS
Fraction: SV
Lab Smp Id: H2H3W1AA
Client Smp ID: G-3029-R2-MM5 TRAIN
Level: LOW
Operator: 60841
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allspike.spk
Quant Type: ISTD
Sublist File: westatesc13.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	36.9	49.26	19-100
$ 8 Phenol-d5	75.0	41.3	55.05	15-124
$ 9 Nitrobenzene-d5	50.0	25.7	51.36	42-104
$ 10 2-Fluorobiphenyl	50.0	33.0	66.10	51-103
$ 11 2,4,6-Tribromophen	75.0	44.4	59.24	33-130
$ 12 Terphenyl-d14	50.0	37.5	74.94	58-122
$ 179 13C6-naphthalene	100	141	141.33	50-150

Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Date : 28-APR-2006 13:00
Client ID: G-3029-R2-MM5 TRAIN
Sample Info: H2H3W1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



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Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

Volume Injected (uL): 1.0

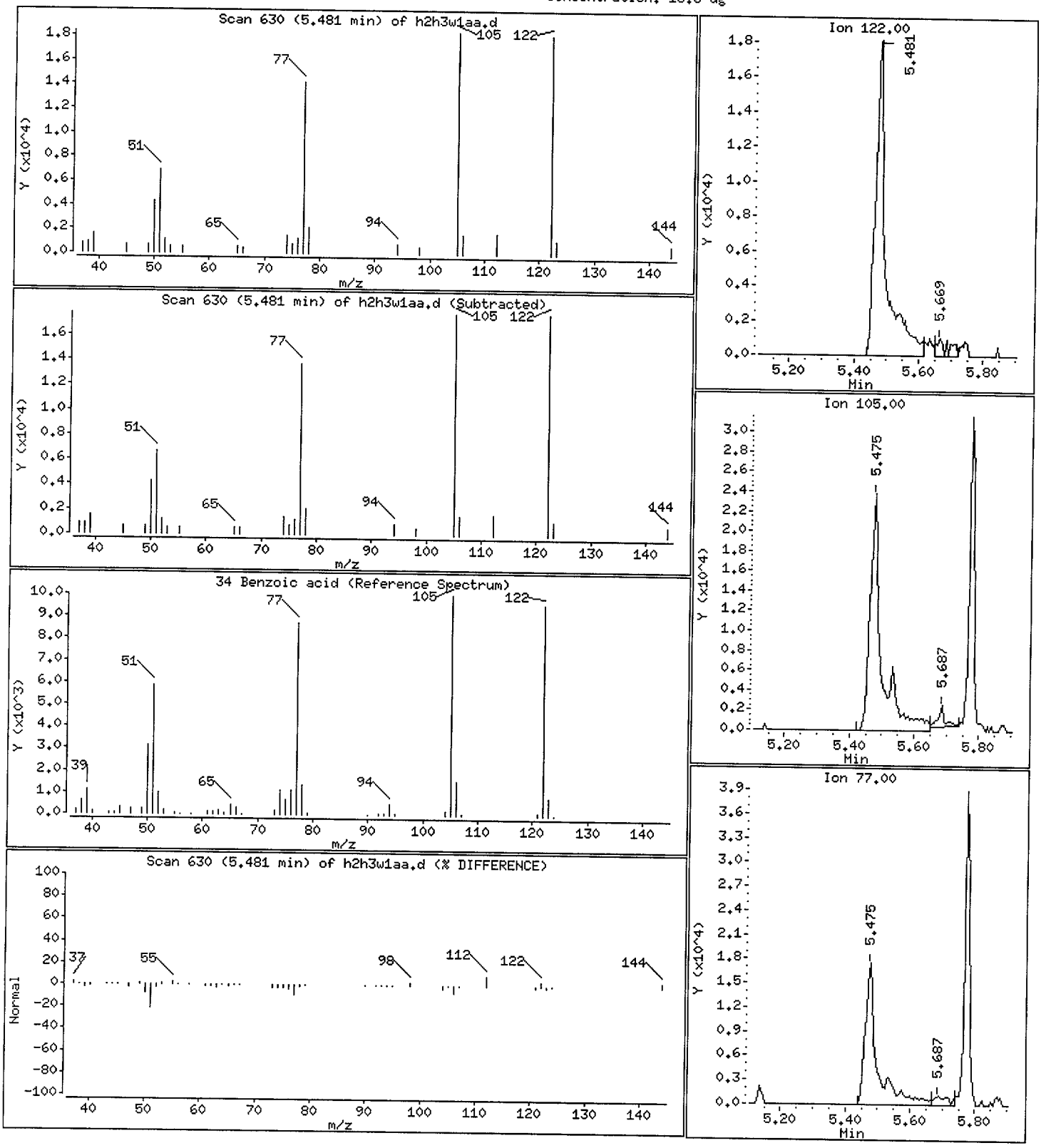
Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

34 Benzoic acid

Concentration: 16.6 ug



Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

Volume Injected (uL): 1.0

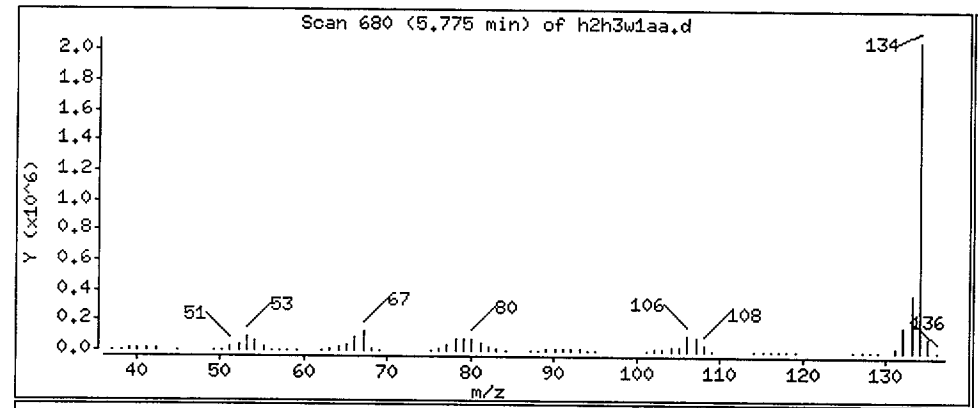
Operator: 60841

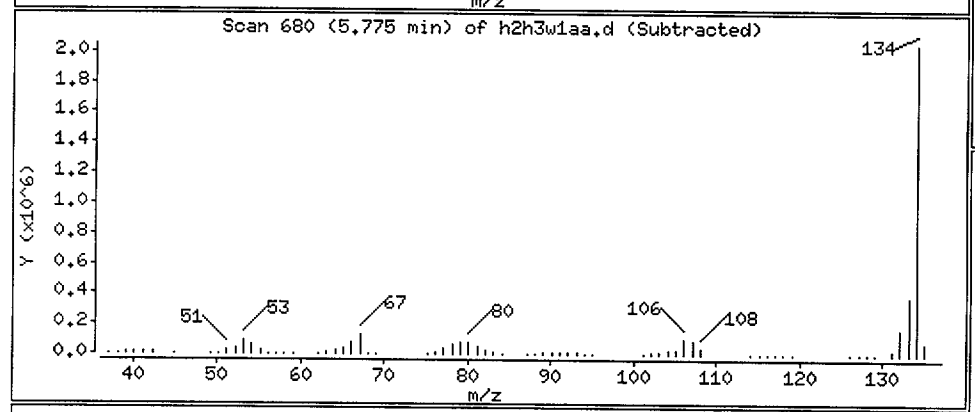
Column phase: ZB-5

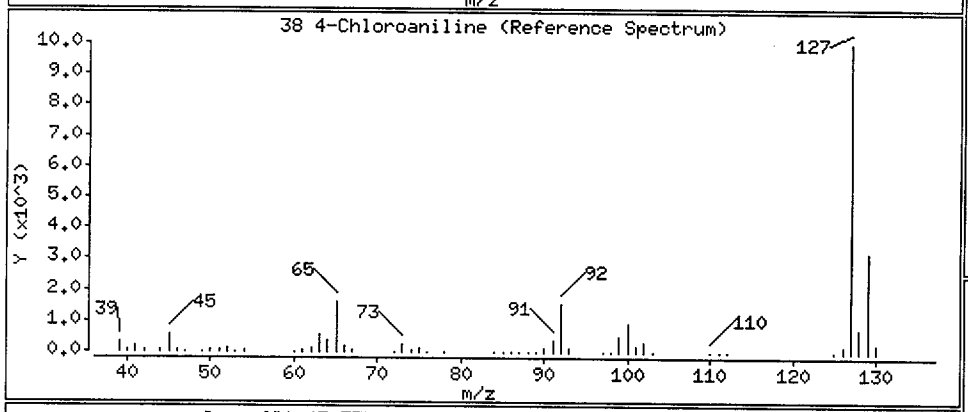
Column diameter: 0.25

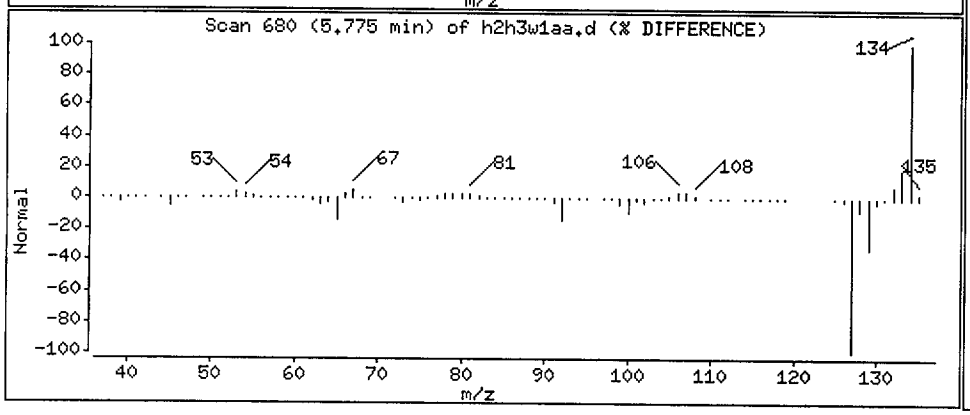
38 4-Chloroaniline

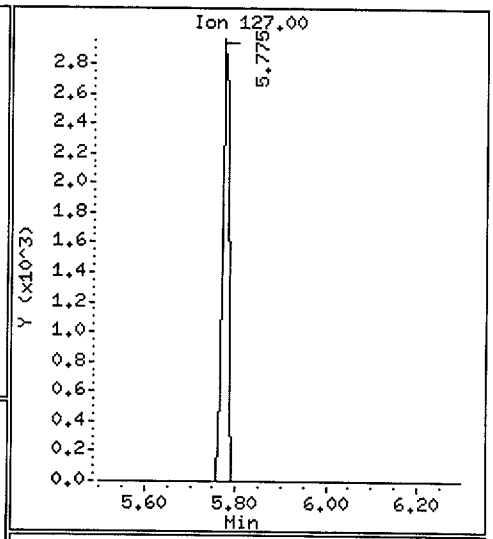
Concentration: 0.509 ug

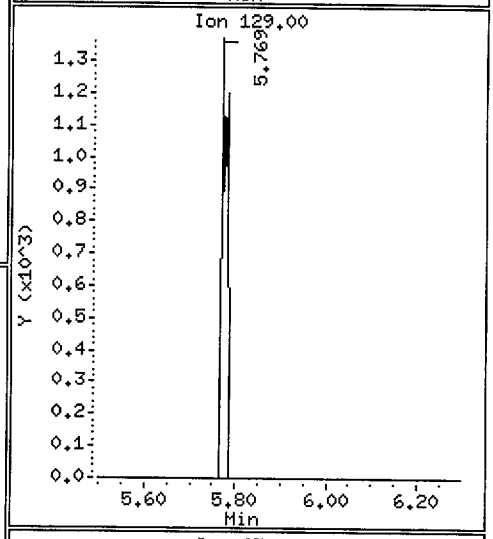


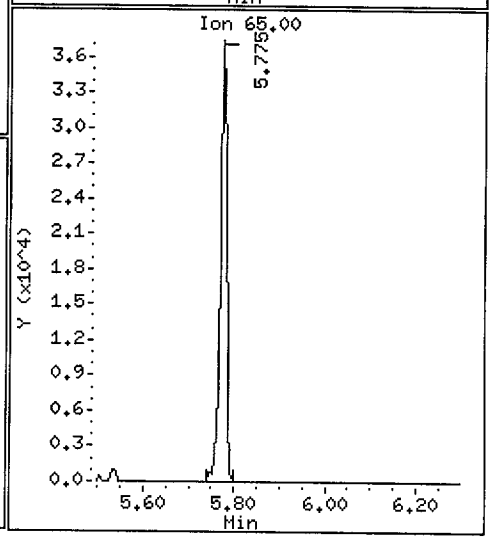












Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-HM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

Volume Injected (uL): 1.0

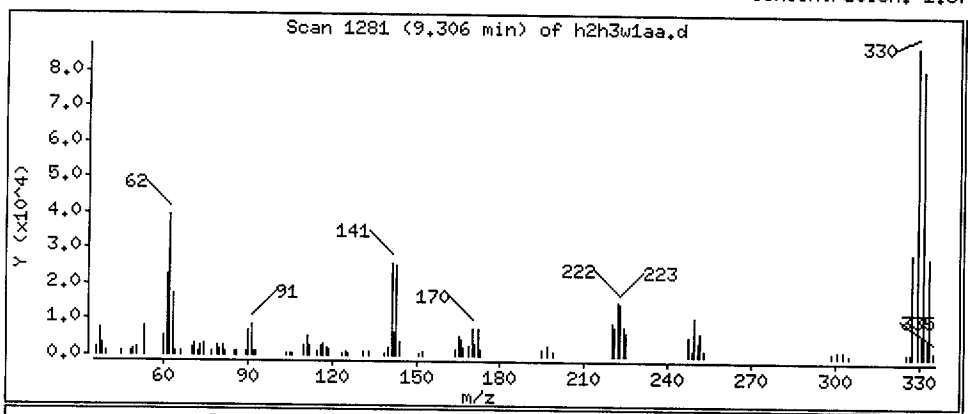
Operator: 60841

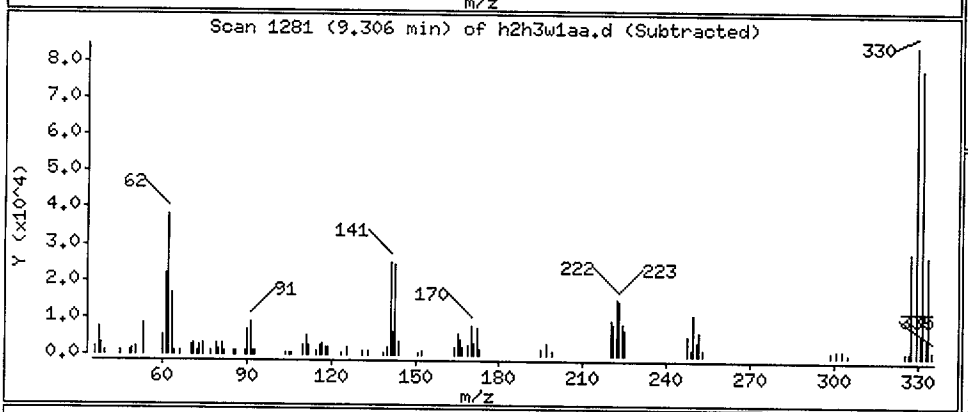
Column phase: ZB-5

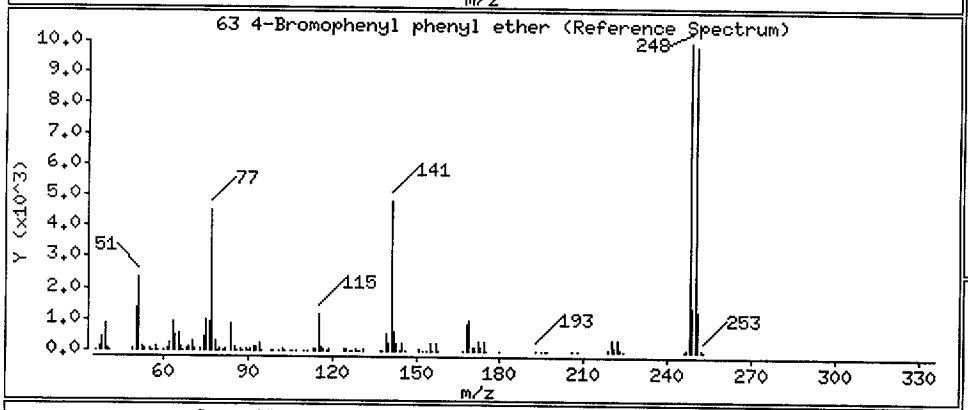
Column diameter: 0.25

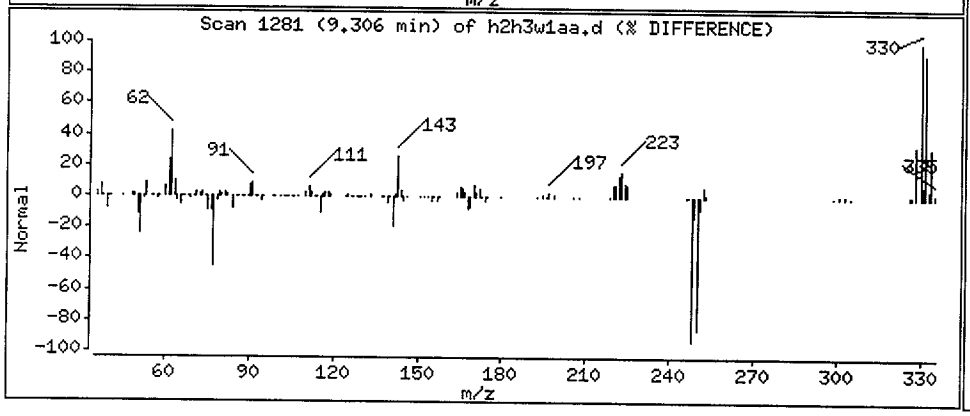
63 4-Bromophenyl phenyl ether

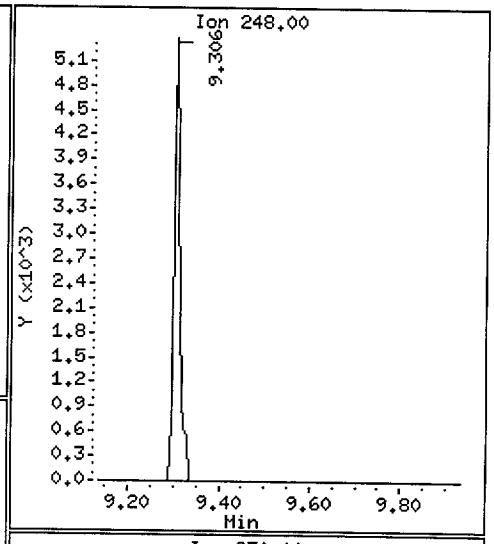
Concentration: 1.57 ug

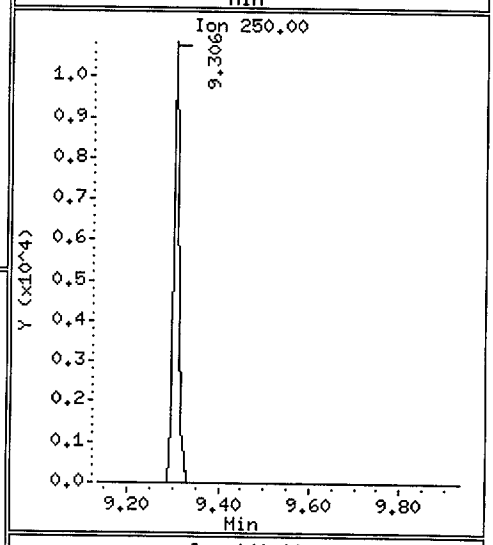


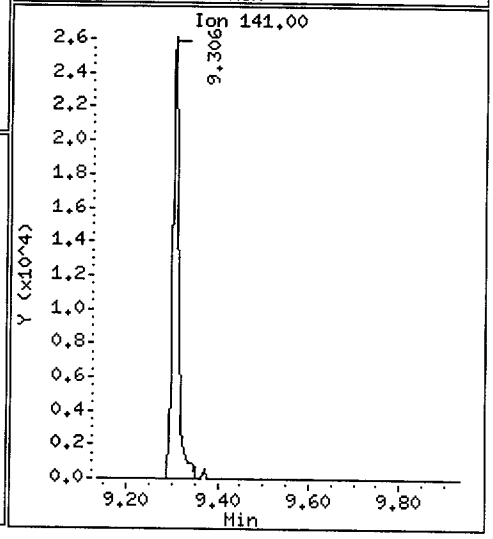












Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

Volume Injected (uL): 1.0

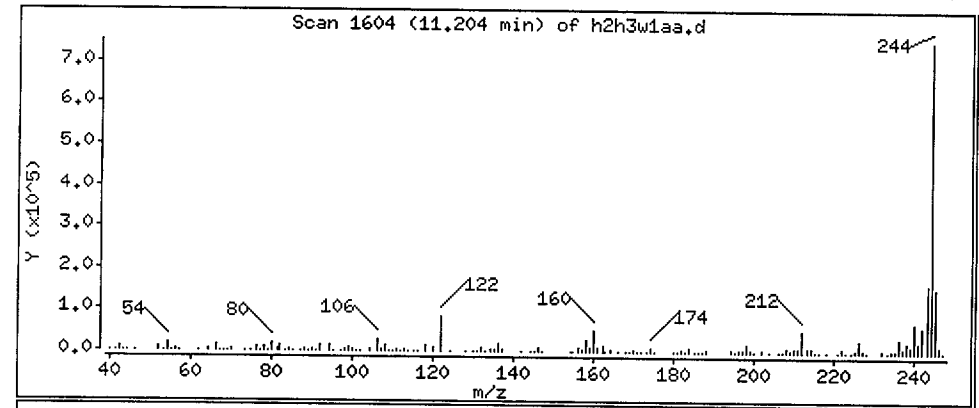
Operator: 60841

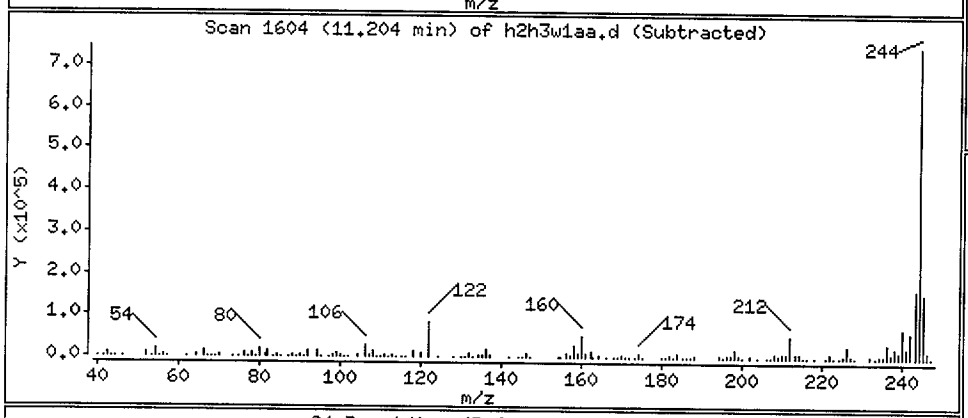
Column phase: ZB-5

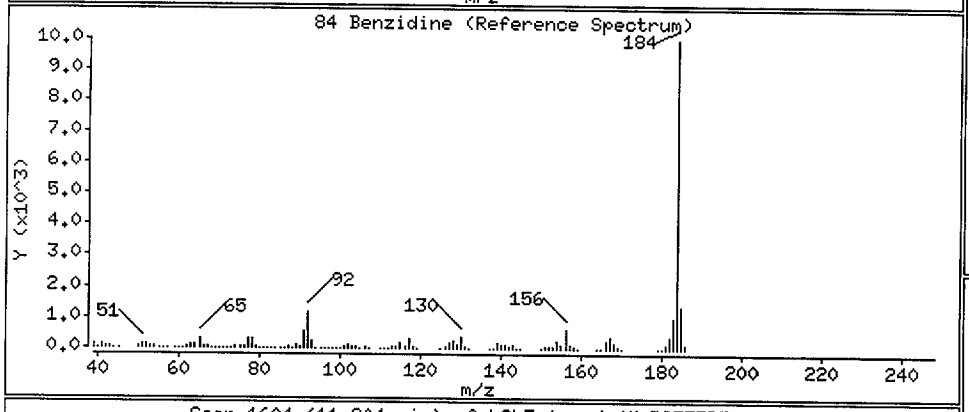
Column diameter: 0.25

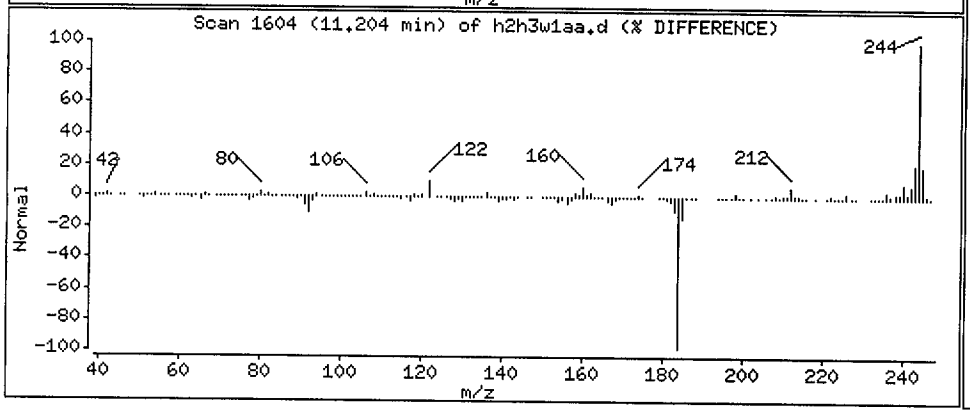
84 Benzidine

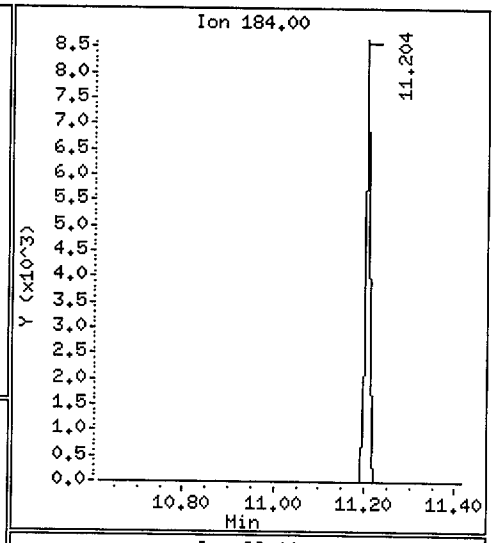
Concentration: 0.500 ug

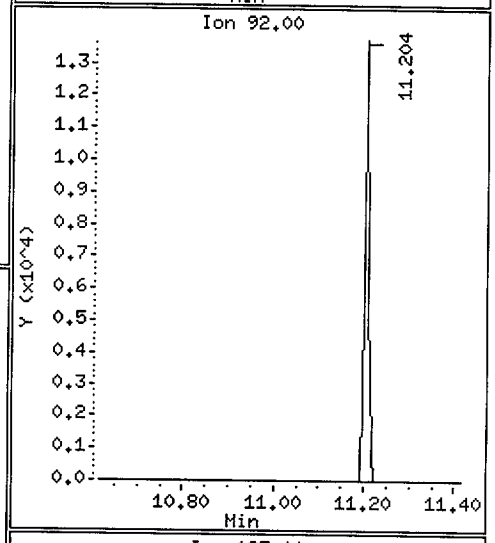


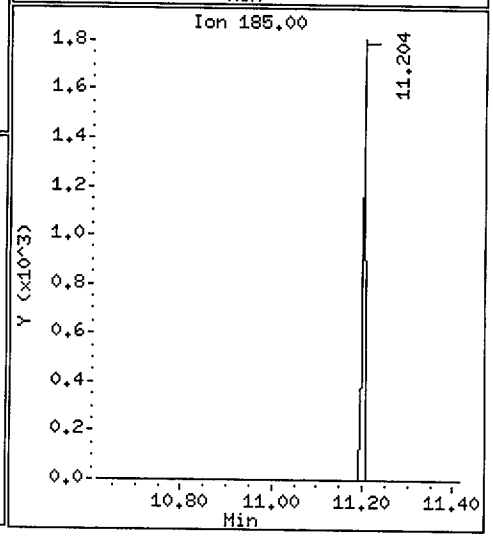












Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

Volume Injected (uL): 1.0

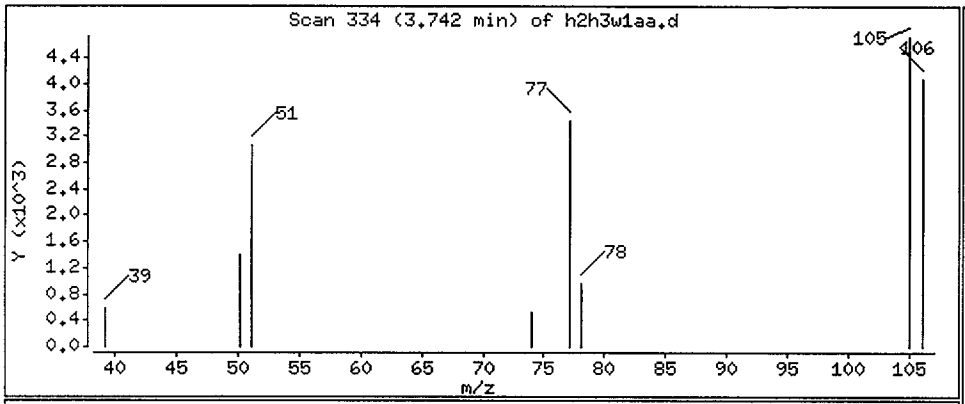
Operator: 60841

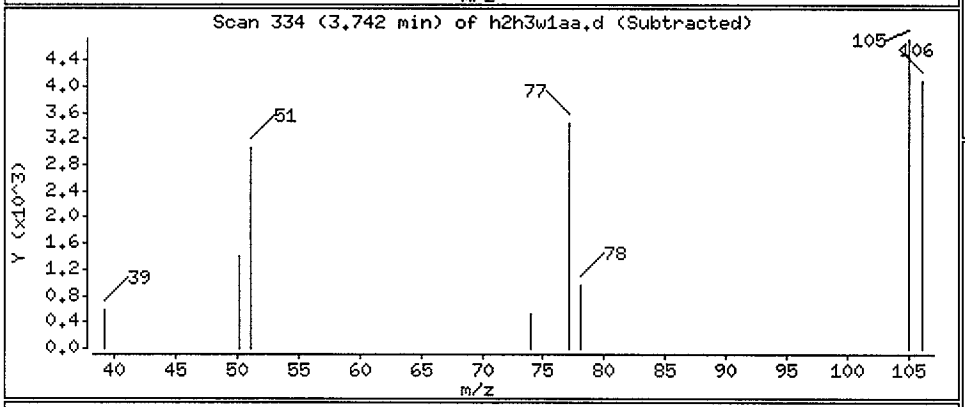
Column phase: ZB-5

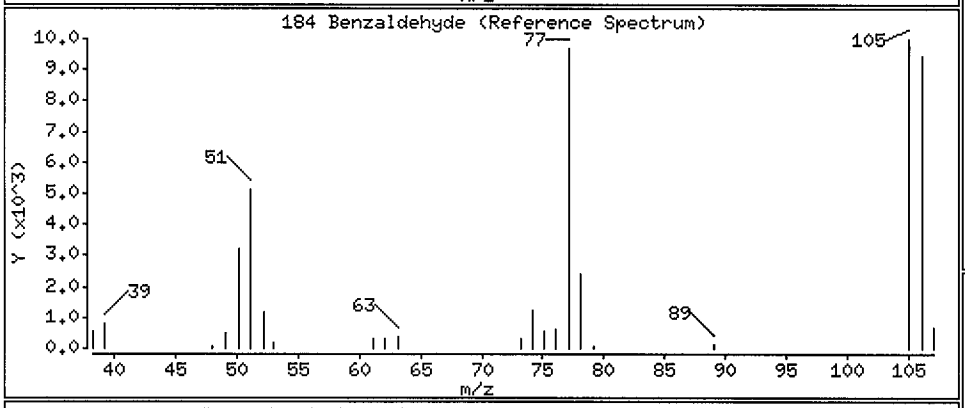
Column diameter: 0.25

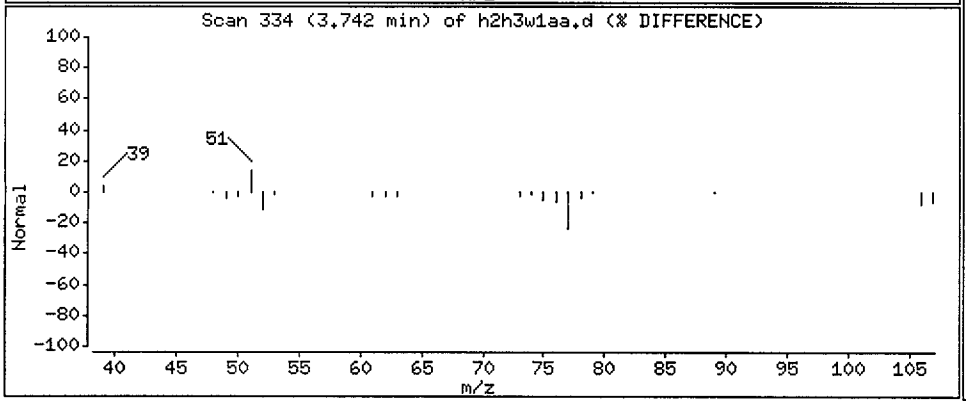
184 Benzaldehyde

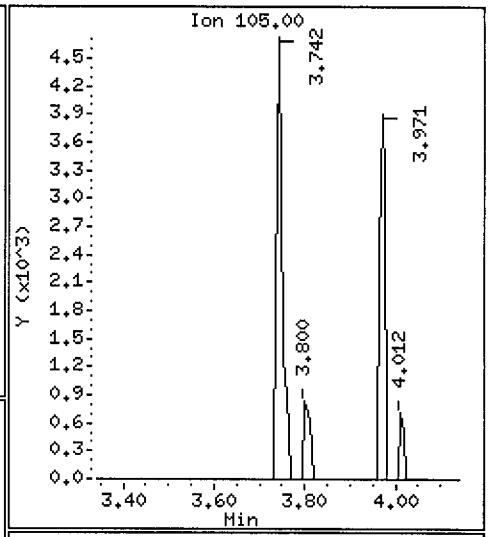
Concentration: 1.49 ug

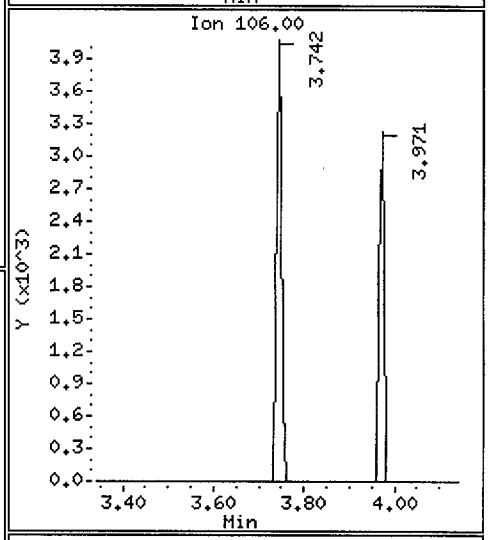


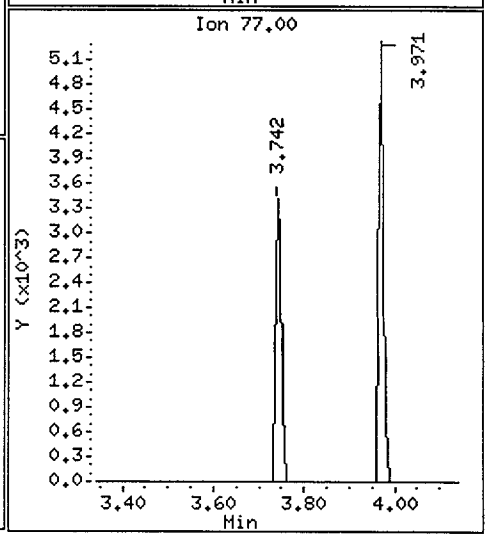












Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

Volume Injected (uL): 1.0

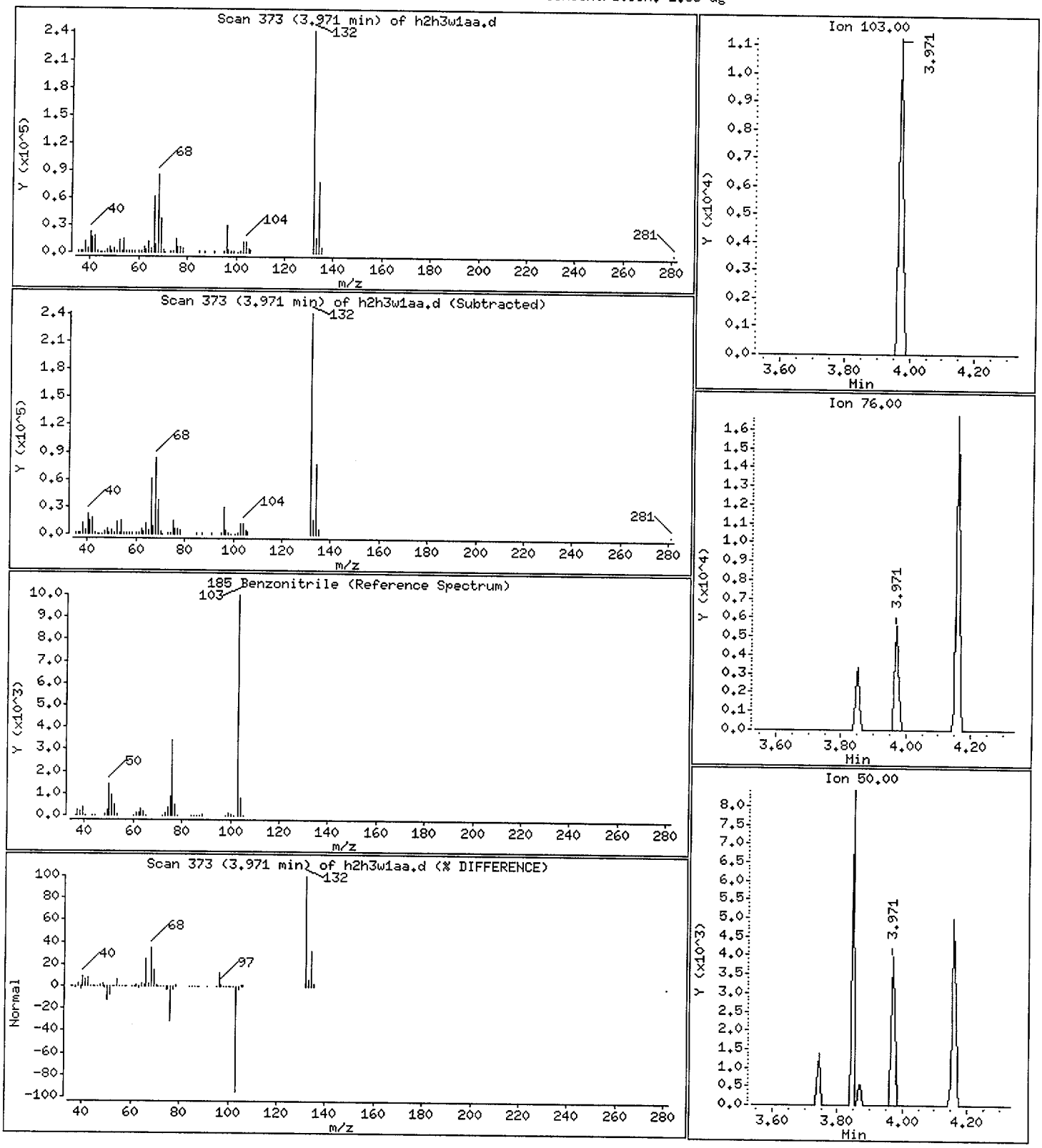
Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

185 Benzonitrile

Concentration: 1.38 ug



Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Report Date: 01-May-2006 11:31

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Lab Smp Id: H2H3W1AA Client Smp ID: G-3029-R2-MM5 TRAIN
Inj Date : 28-APR-2006 13:00
Operator : 60841 Inst ID: md.i
Smp Info : H2H3W1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:50 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	440597	20.000

	CONCENTRATIONS				QUANT			
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Toluene					CAS #: 108-88-3			
2.226	352183	15.9866272	16.0	97	NIST05.1	2400	1	
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7			
3.971	801823	36.3971157	36.4	35	NIST05.1	13697	1	

Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d
Report Date: 01-May-2006 11:31

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	======	==========	==========	====	=======	=========	======
1,4-Dichlorobenzene-D4					CAS #: 3855-82-1		
4.353	610637	27.7186181	27.7	95	NIST05.1	23150	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

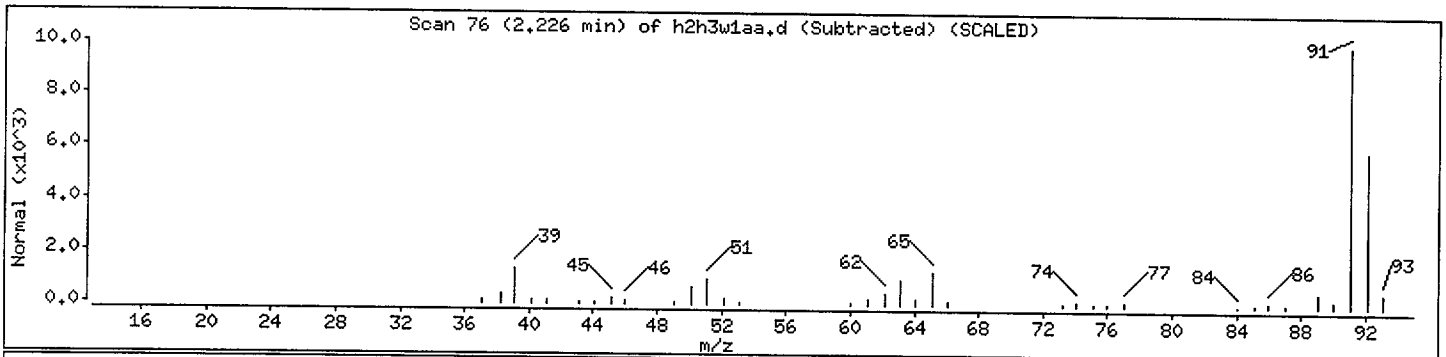
Volume Injected (uL): 1.0

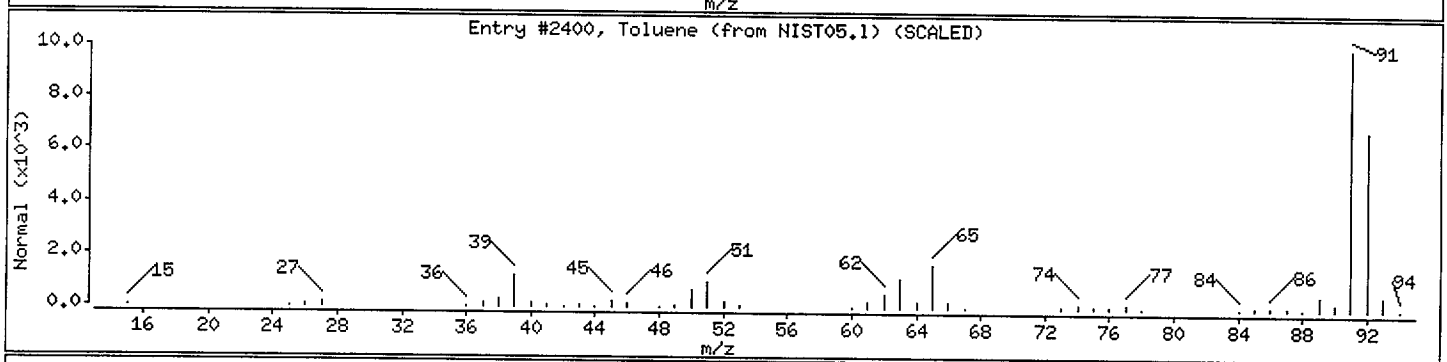
Operator: 60841

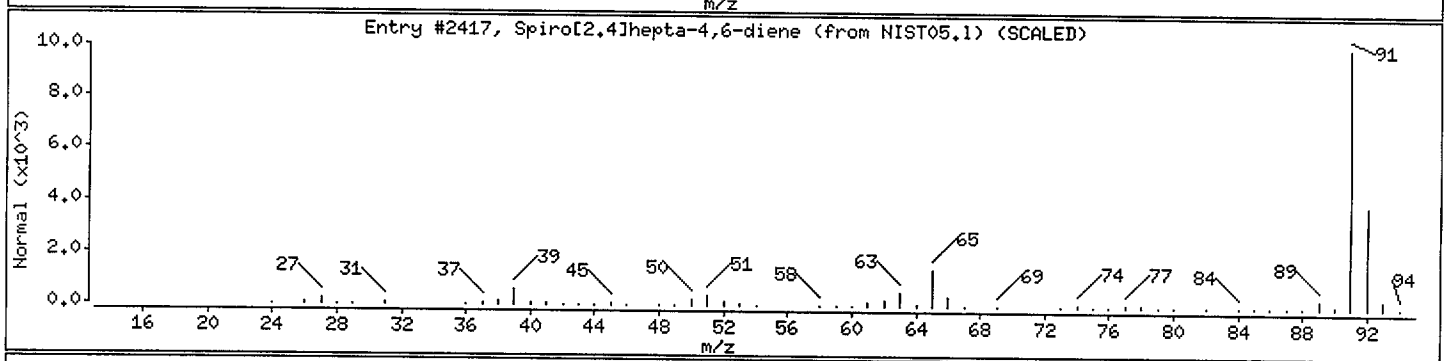
Column phase: ZB-5

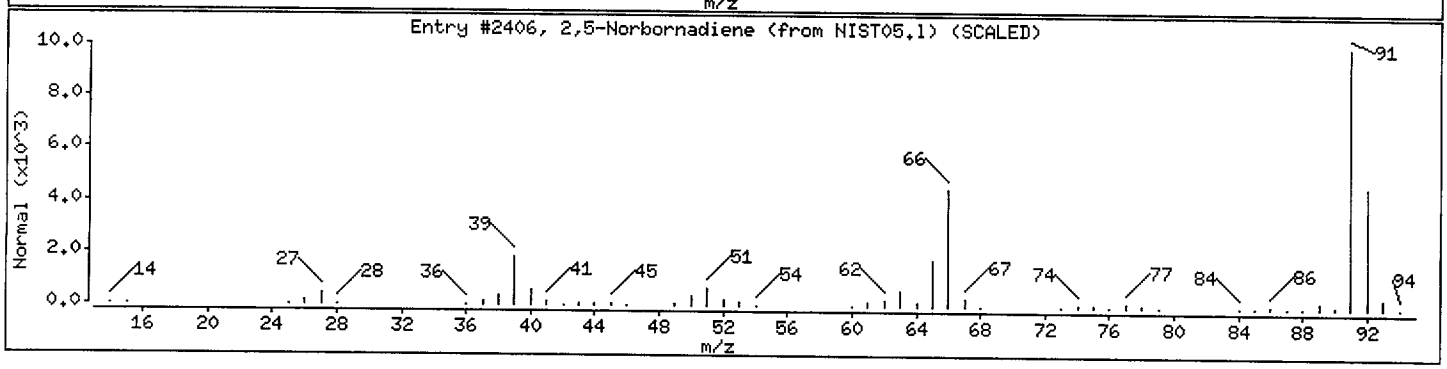
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NIST05.1	2400	97	C7H8	92
Spiro[2.4]hepta-4,6-diene	765-46-8	NIST05.1	2417	91	C7H8	92
2,5-Norbornadiene	121-46-0	NIST05.1	2406	87	C7H8	92









Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

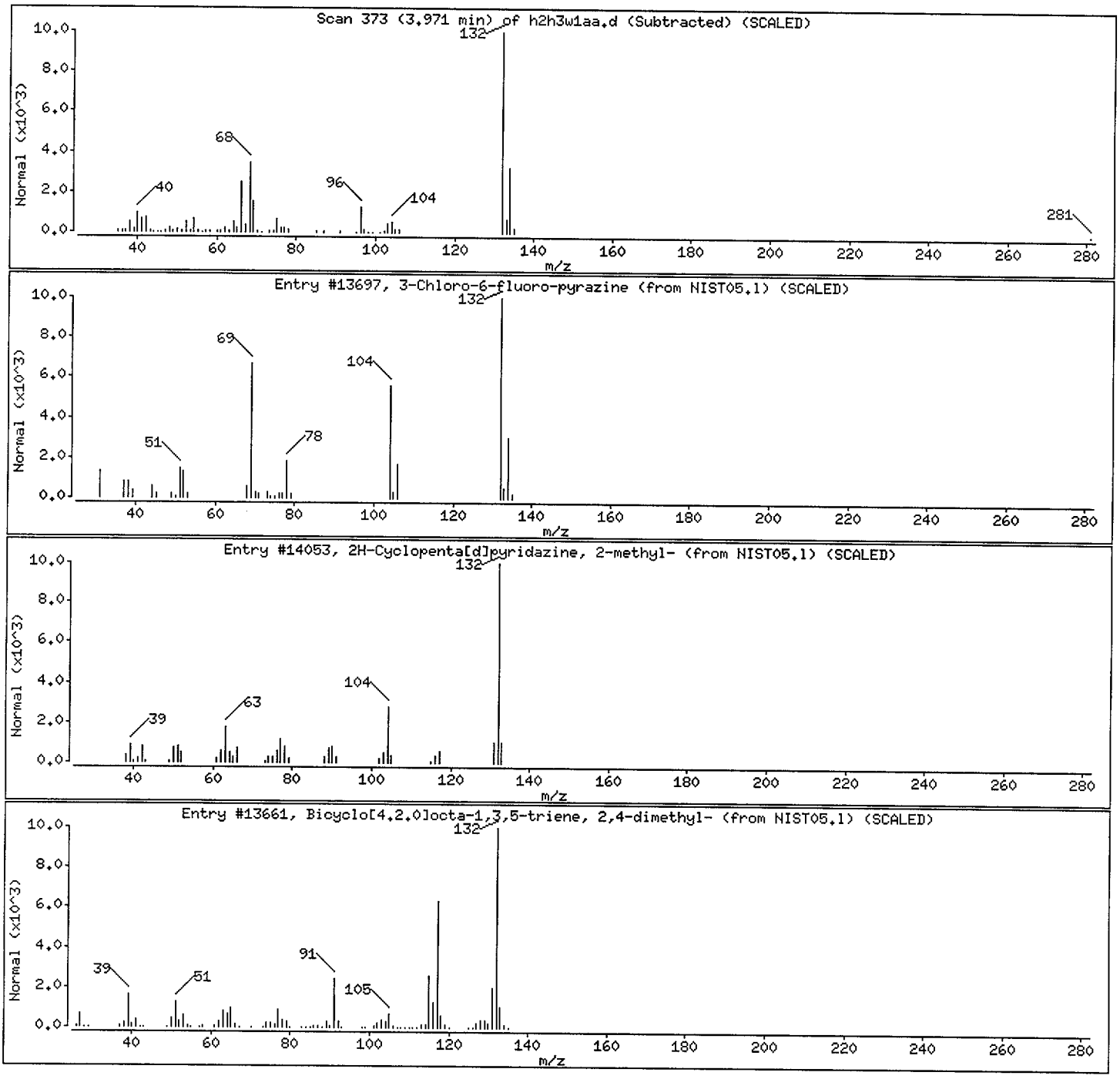
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
2H-Cyclopenta[d]pyridazine, 2-methyl-	22291-85-6	NIST05.1	14053	12	C8H8N2	132
Bicyclo[4.2.0]octa-1,3,5-triene, 2,4-dim	28749-81-7	NIST05.1	13661	10	C10H12	132



Data File: /var/chem/gcms/md.i/D042806.b/h2h3w1aa.d

Date : 28-APR-2006 13:00

Client ID: G-3029-R2-MM5 TRAIN

Instrument: md.i

Sample Info: H2H3W1AA,,0,,,,

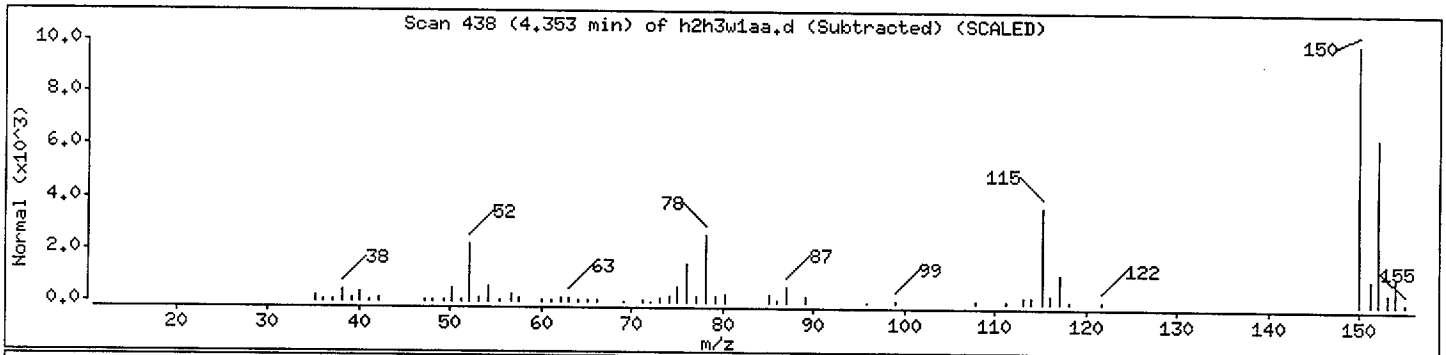
Volume Injected (uL): 1.0

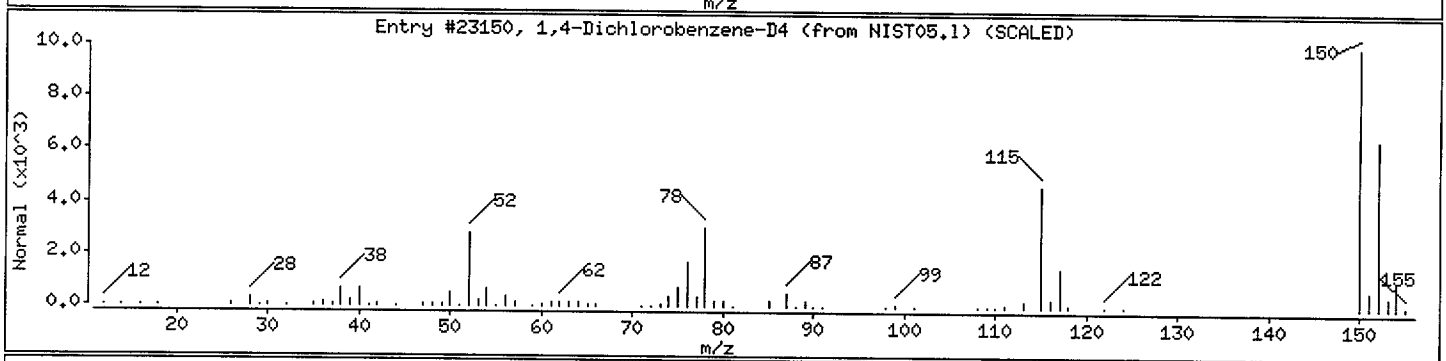
Operator: 60841

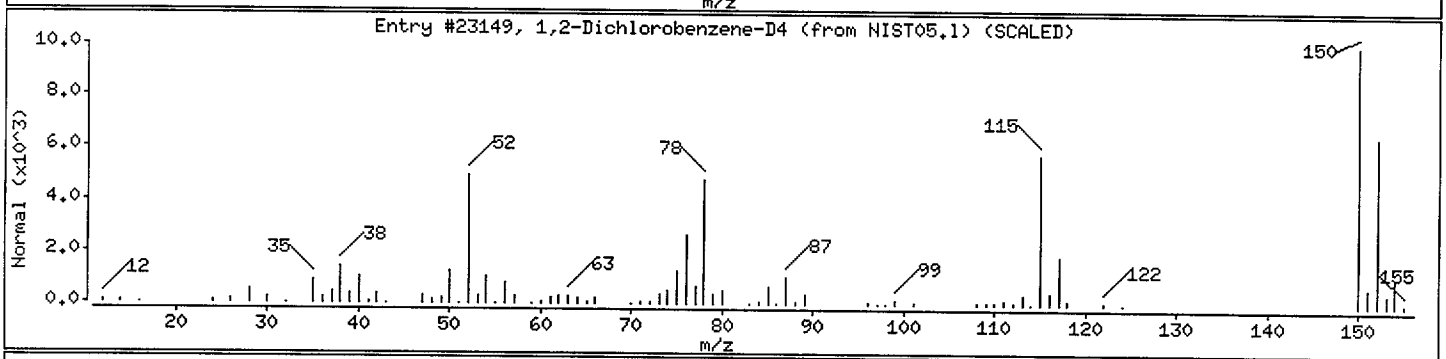
Column phase: ZB-5

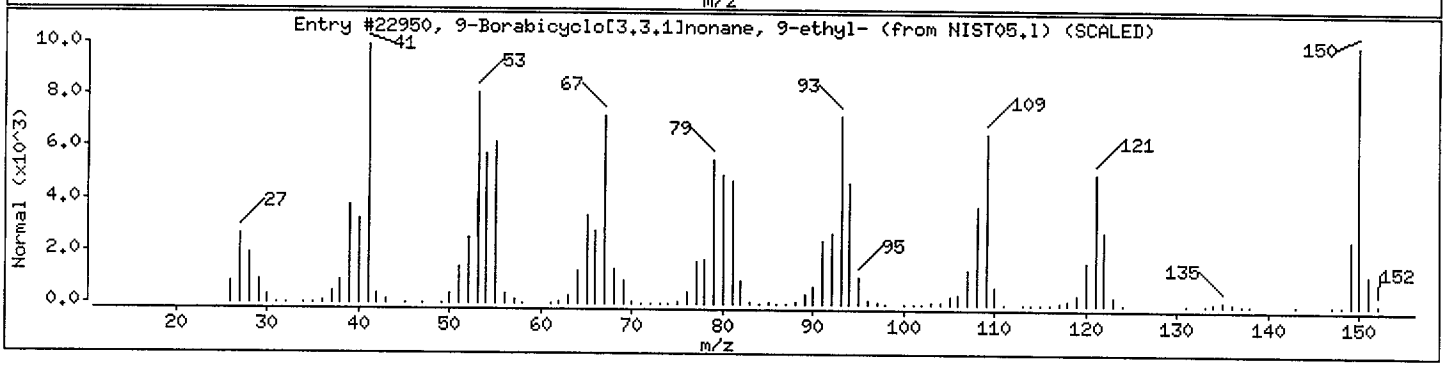
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	95	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	43	C10H19B	150









STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Lab Smp Id: H2H3X1AA Client Smp ID: G-3103/3104-R3-MM5
Inj Date : 28-APR-2006 16:31
Operator : 60841 Inst ID: md.i
Smp Info : H2H3X1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:40 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05-05-06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	65649	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	227041	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	158895	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	278122	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	287764	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	266294	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	152193	33.1504	33.2
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	195586	35.3177	35.3
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	111731	21.8317	21.8
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	293035	27.9743	28.0
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	70303	39.8645	39.9
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	474094	33.8724	33.9
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	3741	1.20883	~~1.21~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Report Date: 01-May-2006 13:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	CONCENTRATIONS FINAL (ug)
69 Di-n-butyl phthalate	149	10.158	10.469	(1.024)	9822	0.54797	~~0.548~~
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	19281	1.83946	1.84
184 Benzaldehyde	105	3.971	3.742	(0.955)	2913	0.97184	~~0.972~~
185 Benzonitrile	103	3.971	3.935	(0.955)	7707	1.14800	~~1.15~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h3x1aa.d
Lab Smp Id: H2H3X1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3103/3104-R3-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	65649	6.72
2 Naphthalene-d8	201763	100882	403526	227041	12.53
3 Acenaphthene-d10	143273	71636	286546	158895	10.90
4 Phenanthrene-d10	247023	123512	494046	278122	12.59
5 Chrysene-d12	265356	132678	530712	287764	8.44
6 Perylene-d12	233795	116898	467590	266294	13.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H3X1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

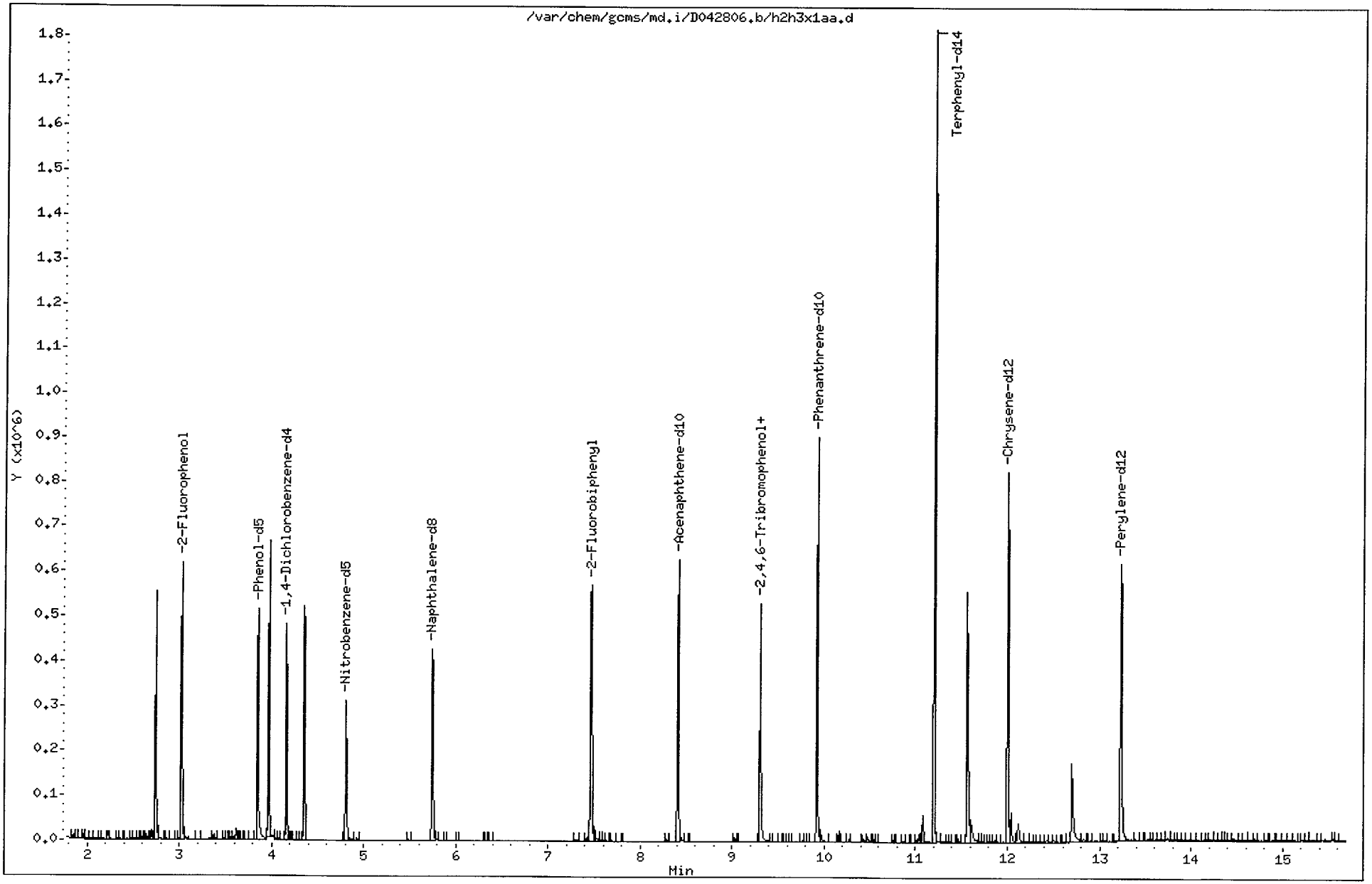
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3103/3104-R3-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	33.2	44.20	19-100
$ 8 Phenol-d5	75.0	35.3	47.09	15-124
$ 9 Nitrobenzene-d5	50.0	21.8	43.66	42-104
$ 10 2-Fluorobiphenyl	50.0	28.0	55.95	51-103
$ 11 2,4,6-Tribromophen	75.0	39.9	53.15	33-130
$ 12 Terphenyl-d14	50.0	33.9	67.74	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Date : 28-APR-2006 16:31
Client ID: G-3103/3104-R3-MM5
Sample Info: H2H3X1AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

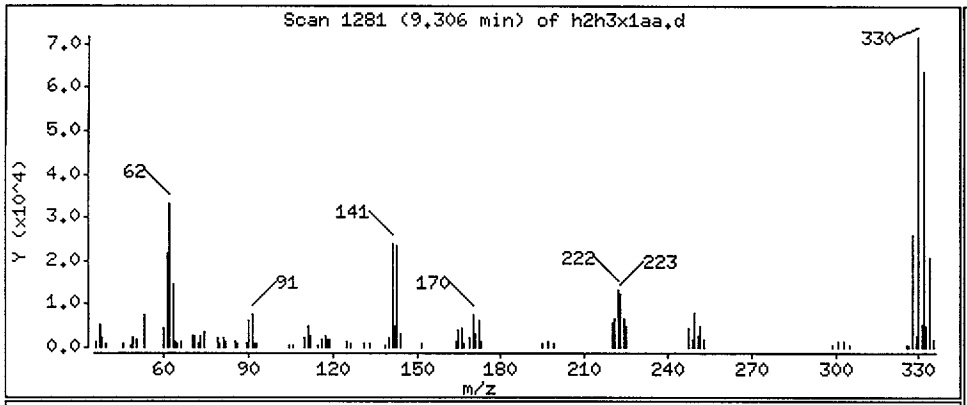
Client ID: G-3103/3104-R3-MM5 | Instrument: md.i

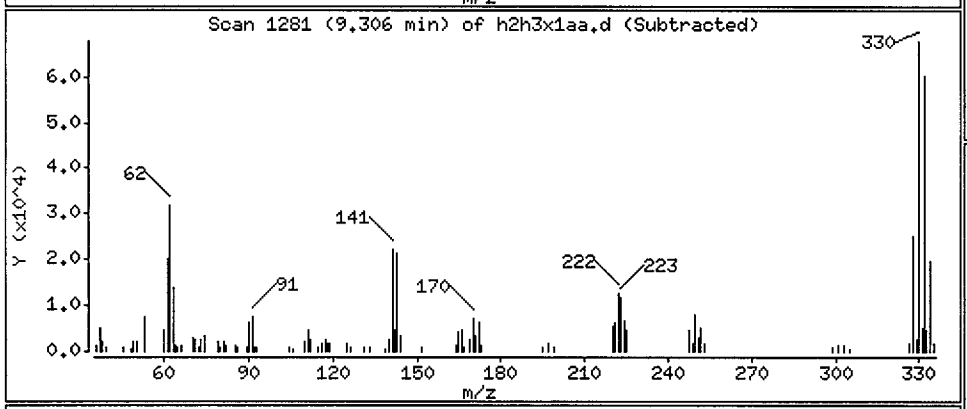
Sample Info: H2H3X1AA,,0,,,,

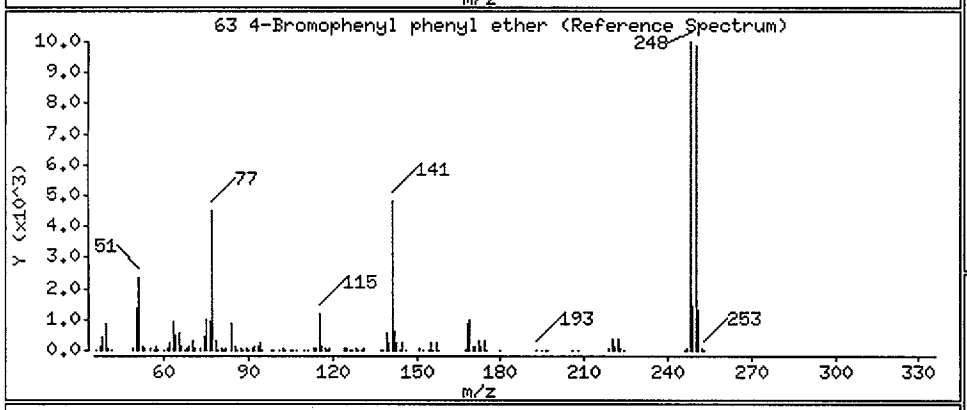
Volume Injected (uL): 1.0 | Operator: 60841

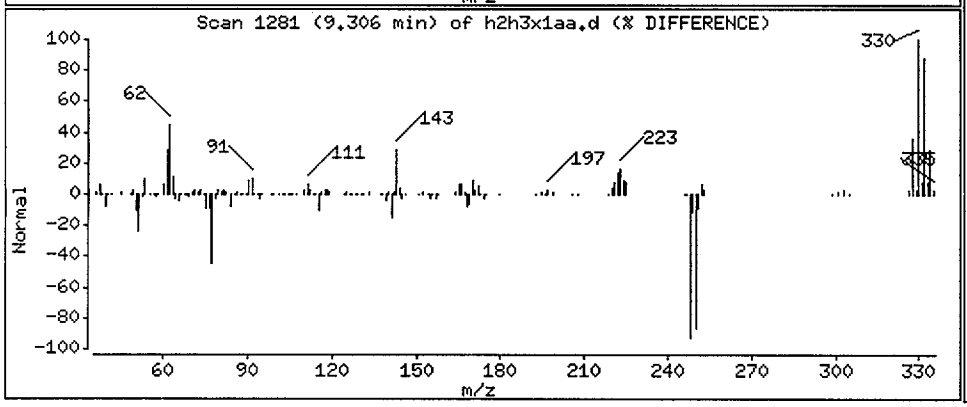
Column phase: ZB-5 | Column diameter: 0.25

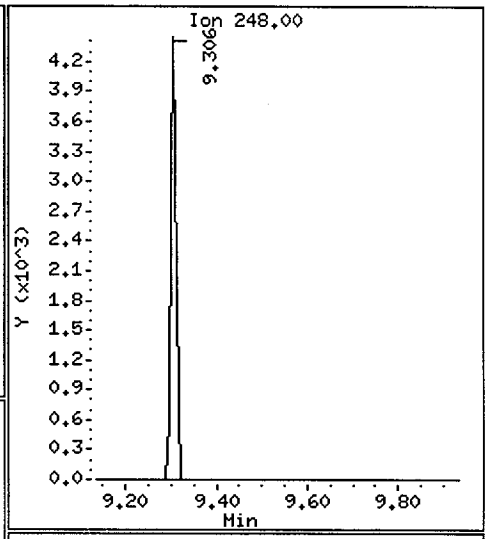
63 4-Bromophenyl phenyl ether | Concentration: 1.21 ug

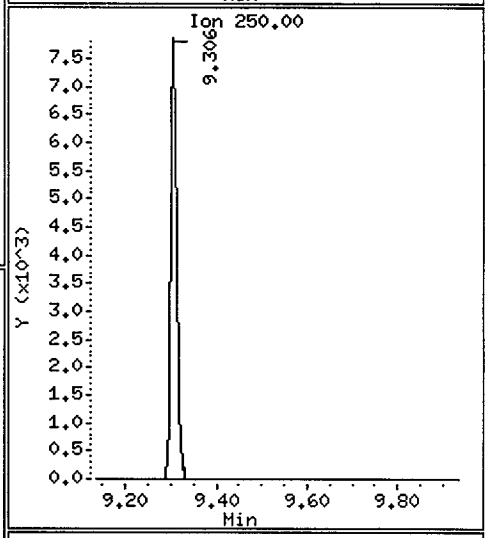


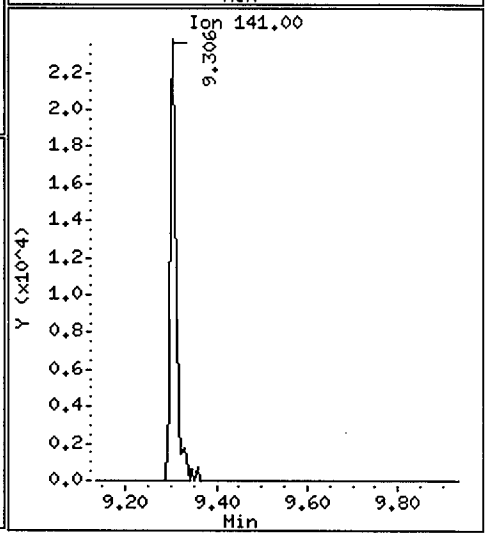












Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

Client ID: G-3103/3104-R3-MM5

Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

Volume Injected (uL): 1.0

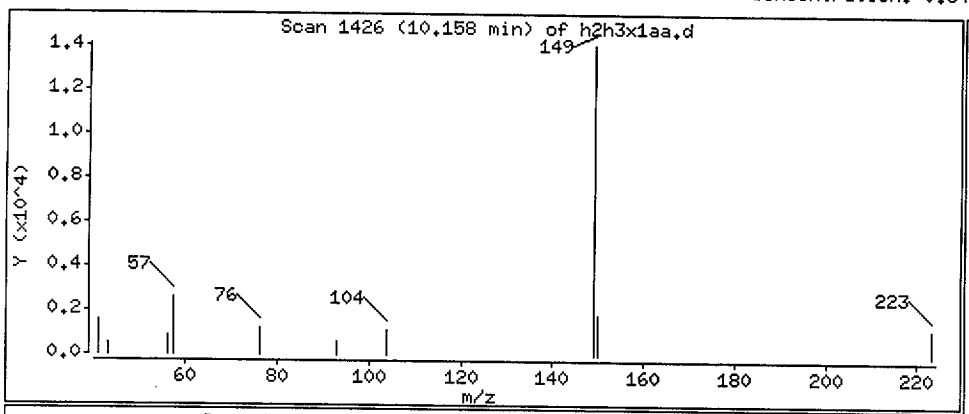
Operator: 60841

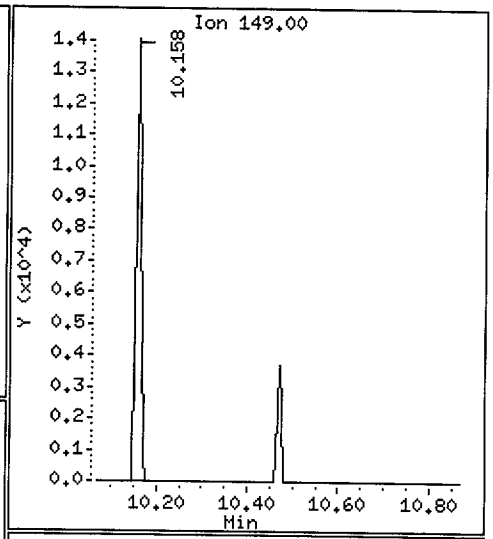
Column phase: ZB-5

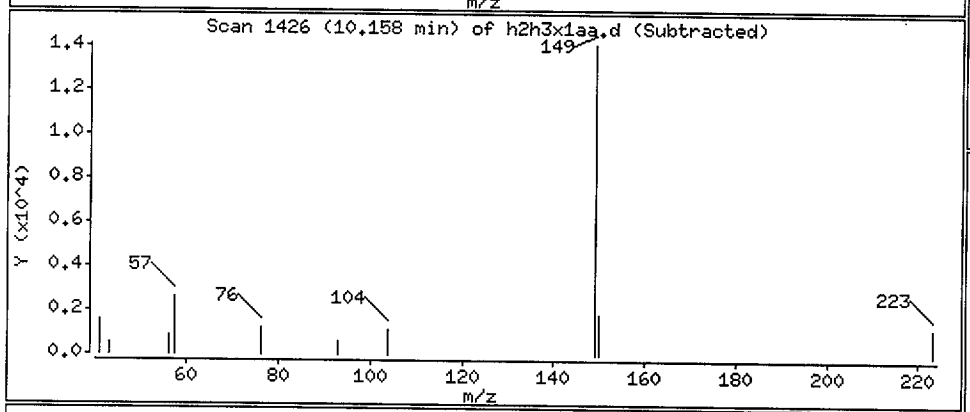
Column diameter: 0.25

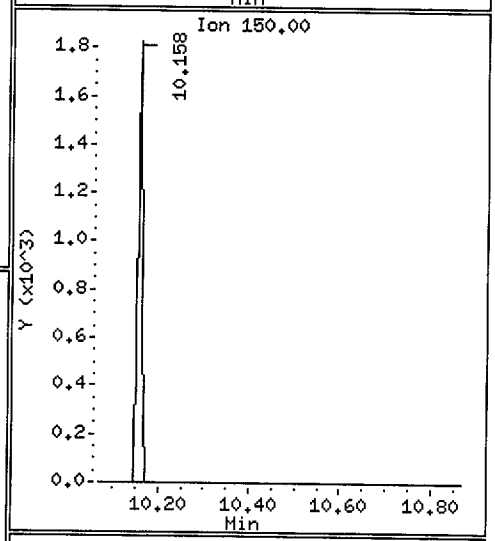
69 Di-n-butyl phthalate

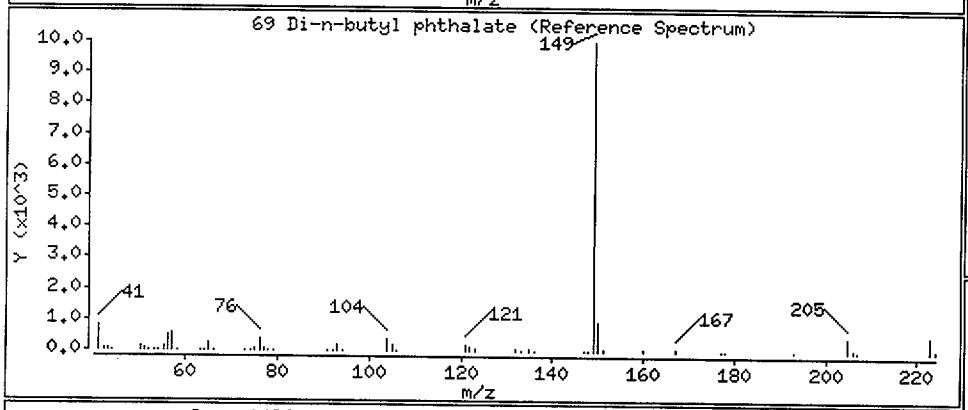
Concentration: 0.548 ug

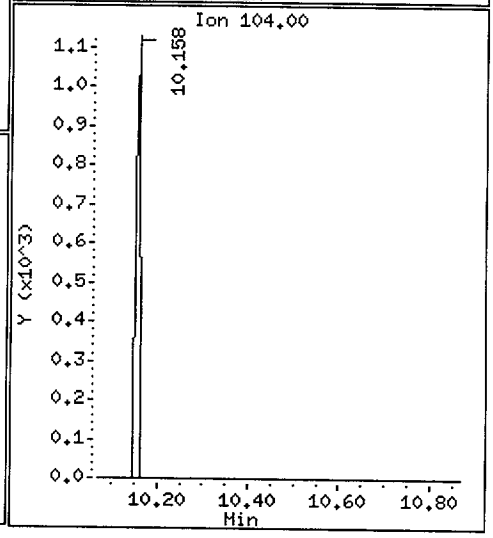


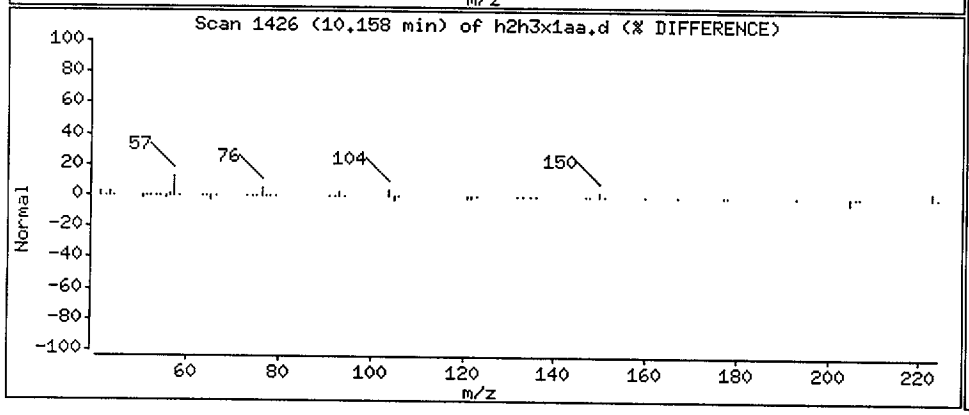












Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

Client ID: G-3103/3104-R3-MM5

Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

Volume Injected (uL): 1.0

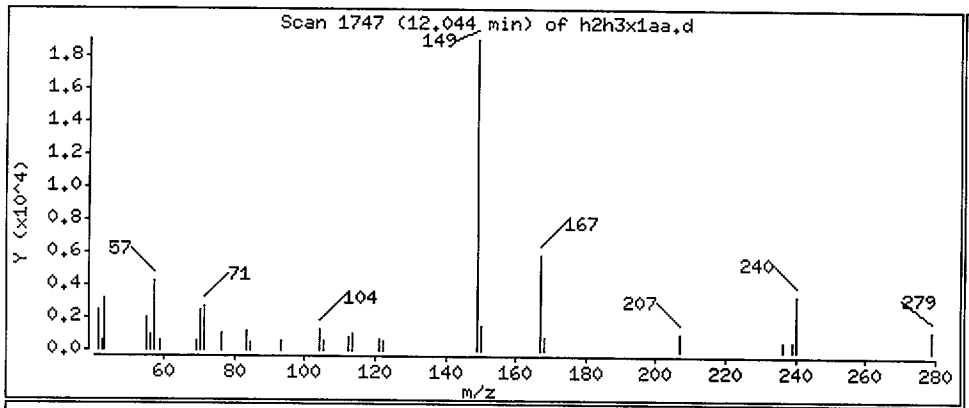
Operator: 60841

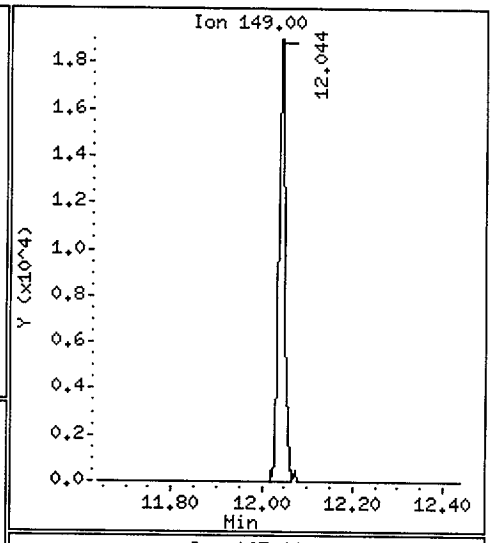
Column phase: ZB-5

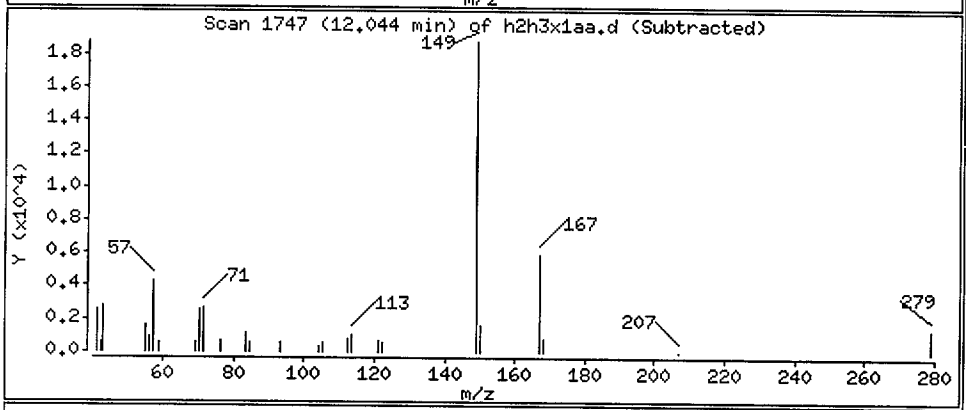
Column diameter: 0.25

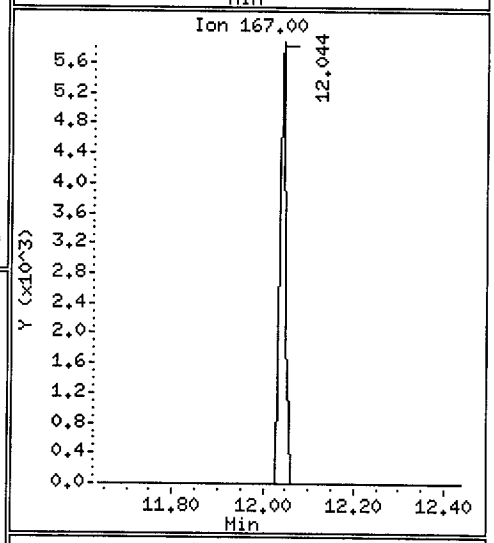
76 Bis(2-ethylhexyl) phthalate

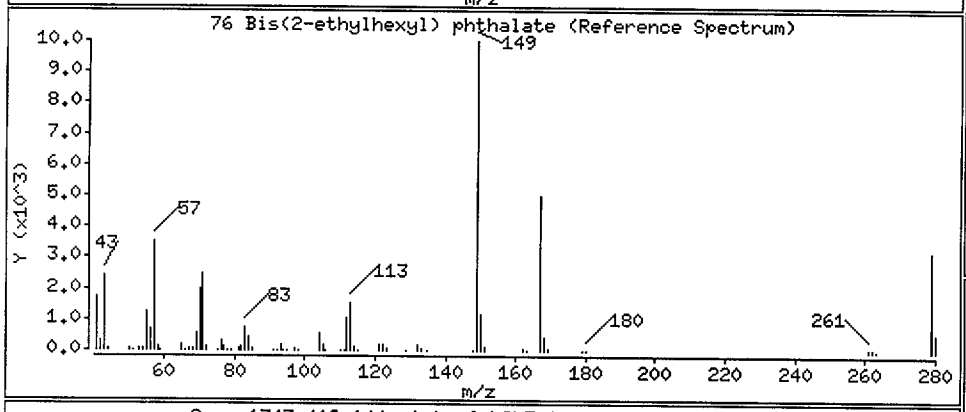
Concentration: 1.84 ug

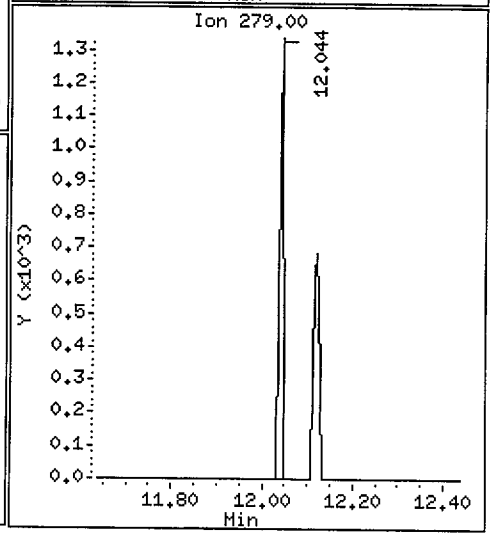


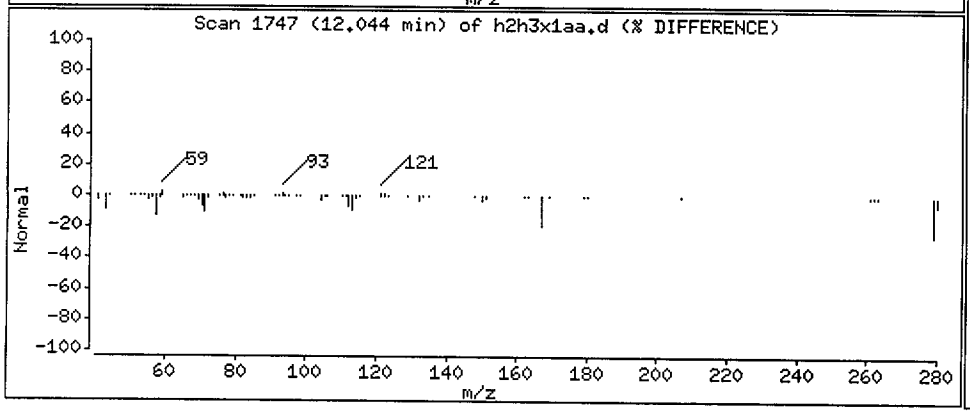












Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

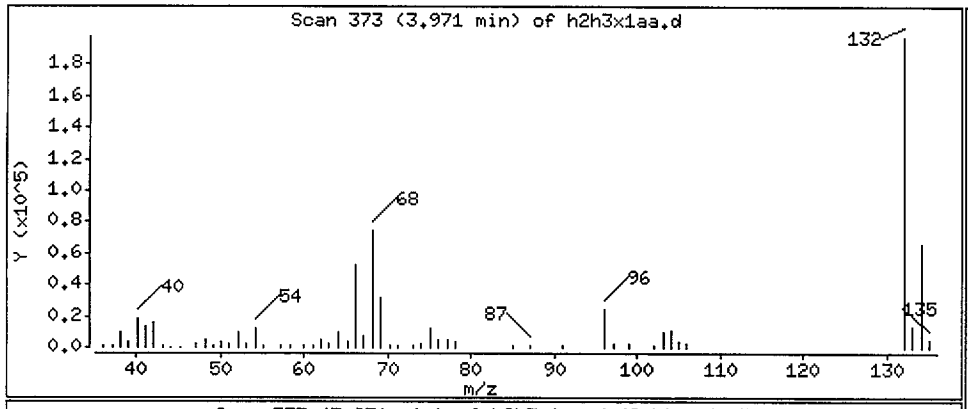
Client ID: G-3103/3104-R3-MM5 Instrument: md.i

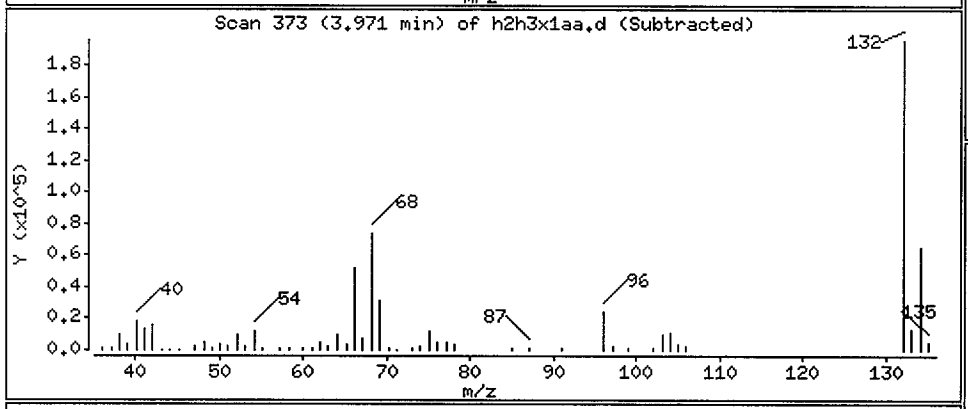
Sample Info: H2H3X1AA,,0,,,,

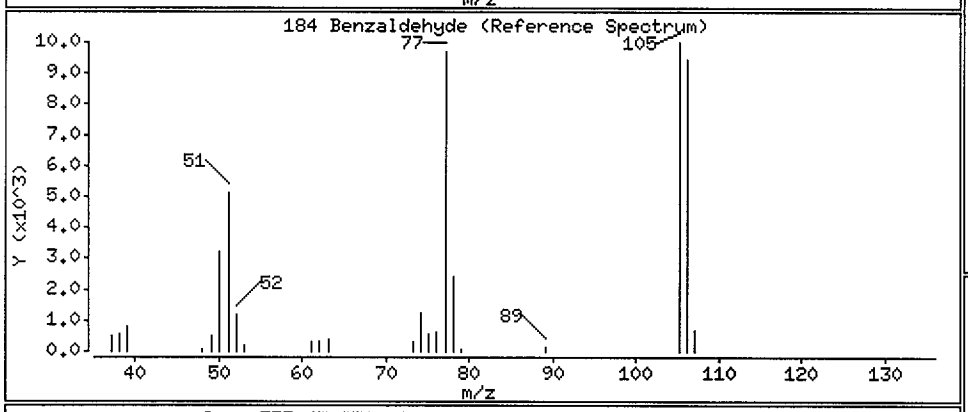
Volume Injected (uL): 1.0 Operator: 60841

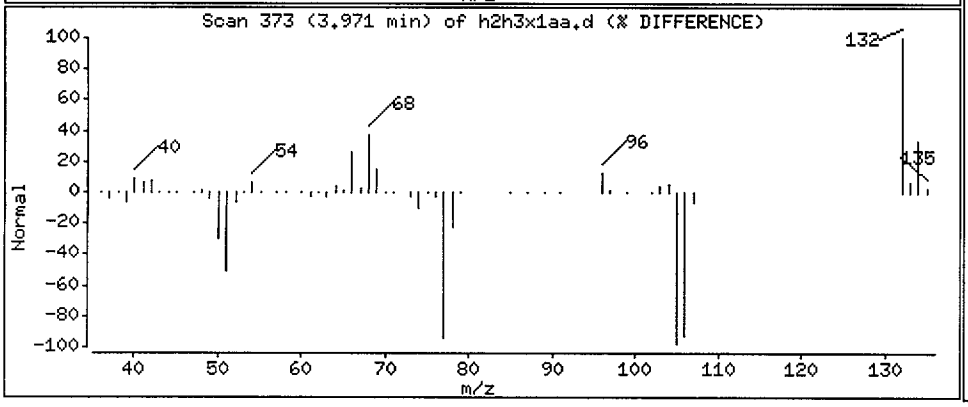
Column phase: ZB-5 Column diameter: 0.25

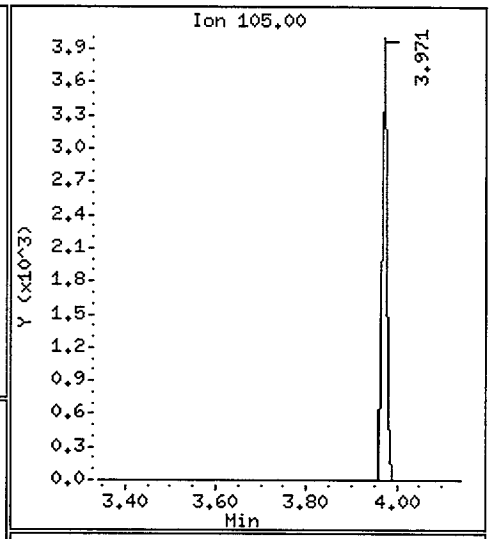
184 Benzaldehyde Concentration: 0.972 ug

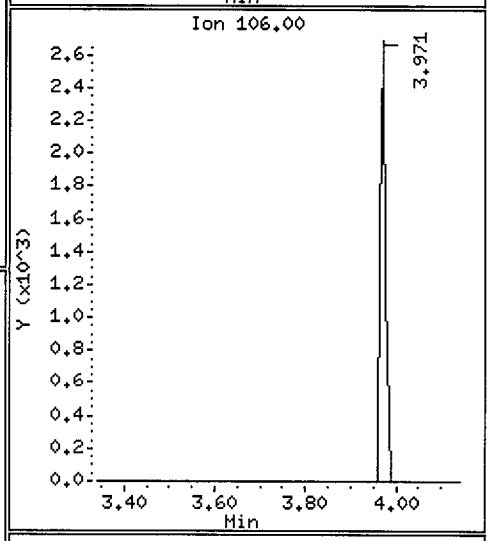


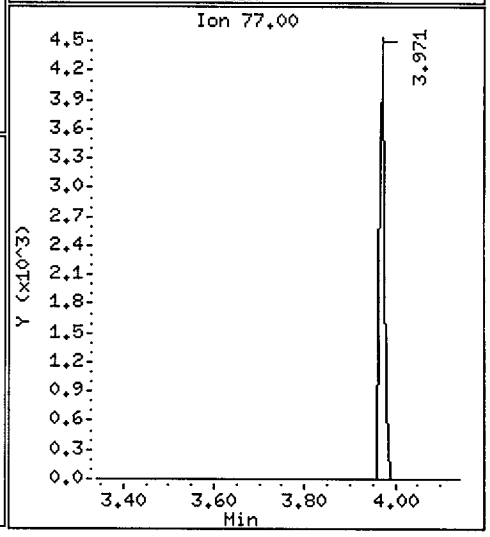












Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

Client ID: G-3103/3104-R3-MM5

Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

Volume Injected (uL): 1.0

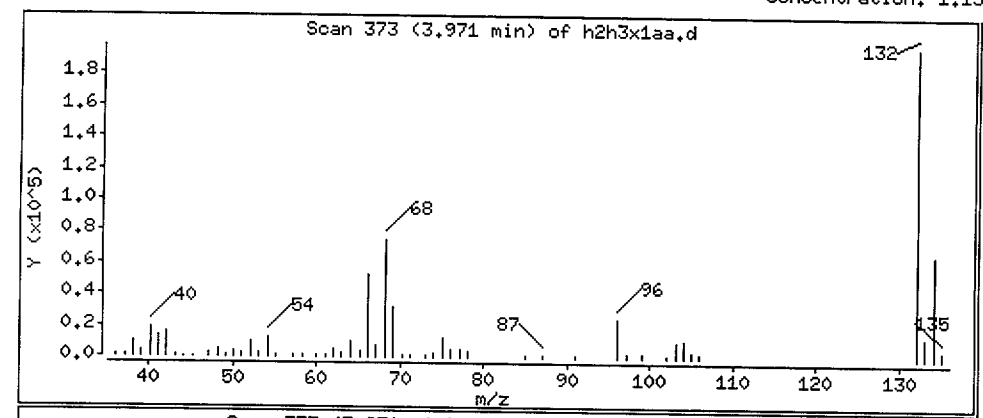
Operator: 60841

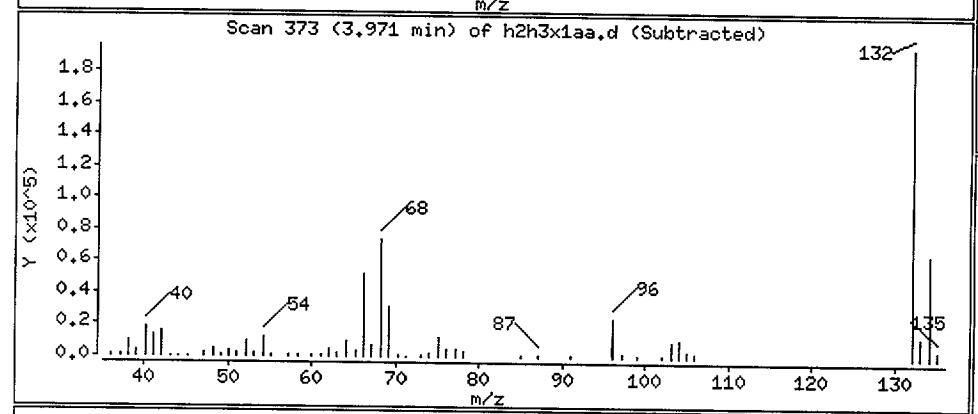
Column phase: ZB-5

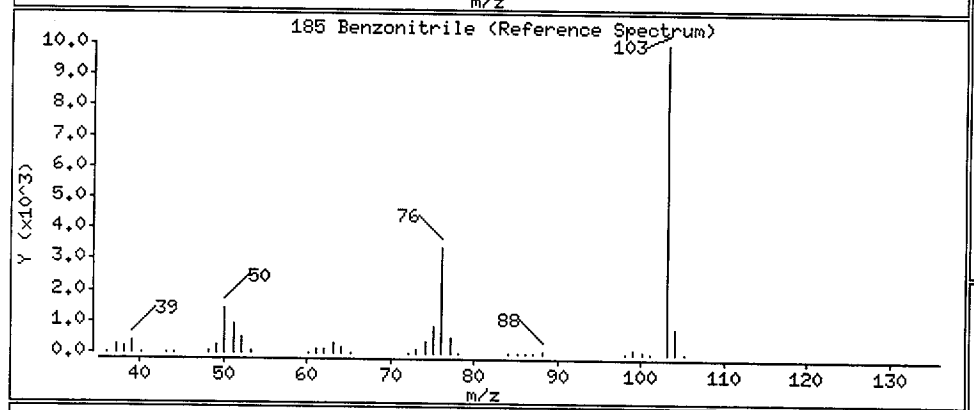
Column diameter: 0.25

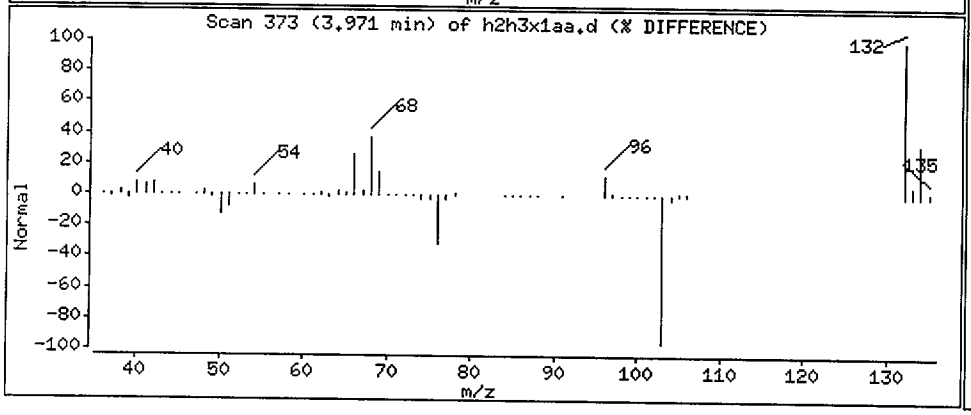
185 Benzonitrile

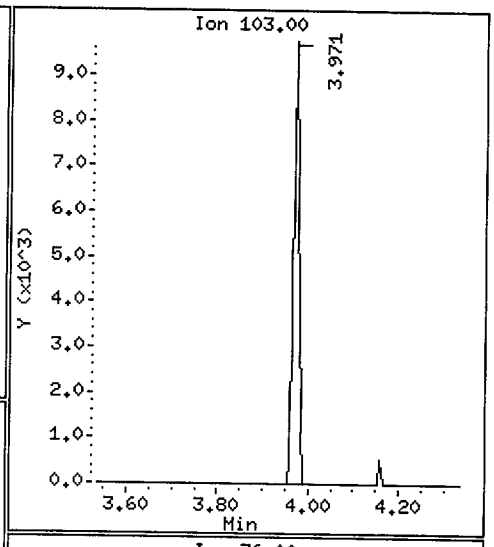
Concentration: 1.15 ug

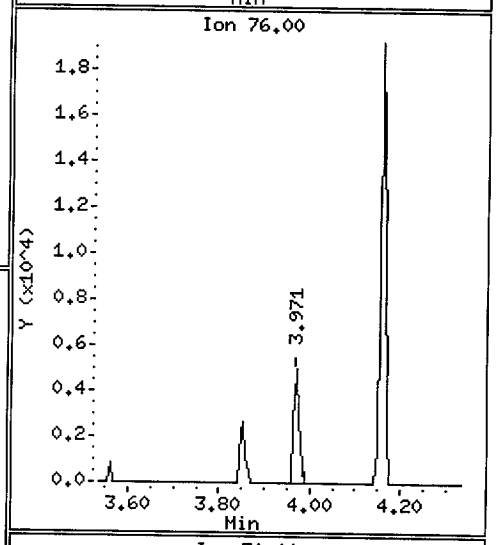


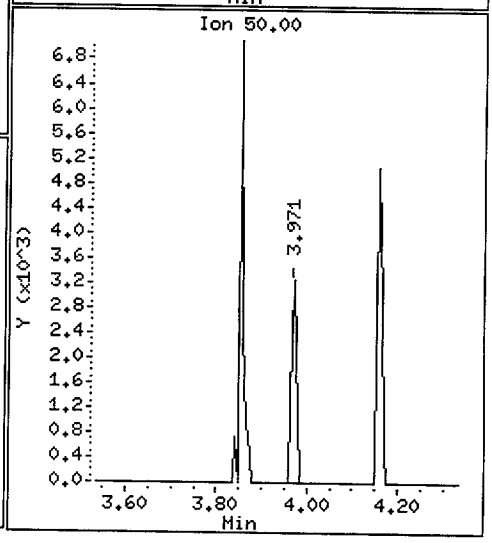












Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Report Date: 01-May-2006 14:15

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Lab Smp Id: H2H3X1AA Client Smp ID: G-3103/3104-R3-MM5
Inj Date : 28-APR-2006 16:31
Operator : 60841 Inst ID: md.i
Smp Info : H2H3X1AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:56 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	482650	20.000
* 5 Chrysene-d12	12.003	825300	20.000
* 6 Perylene-d12	13.231	616914	20.000

	CONCENTRATIONS				QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
2-Pentanone, 4-hydroxy-4-methyl-				CAS #: 123-42-2			
2.743	553529	22.9370766	22.9	53	NIST05.1	7951	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d
Report Date: 01-May-2006 14:15

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7		
3.971	660466	27.3683207	27.4	35	NIST05.1	13697	1
1,4-Dichlorobenzene-D4					CAS #: 3855-82-1		
4.353	522470	21.6500570	21.6	96	NIST05.1	23150	1
9-Octadecenamide, (Z)-					CAS #: 301-02-0		
11.562	558308	13.5298195	13.5	97	NIST05.1	112657	5
9-Octadecenamide, (Z)-					CAS #: 301-02-0		
12.702	176229	5.71324366	5.71	80	NIST05.1	112655	6

Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

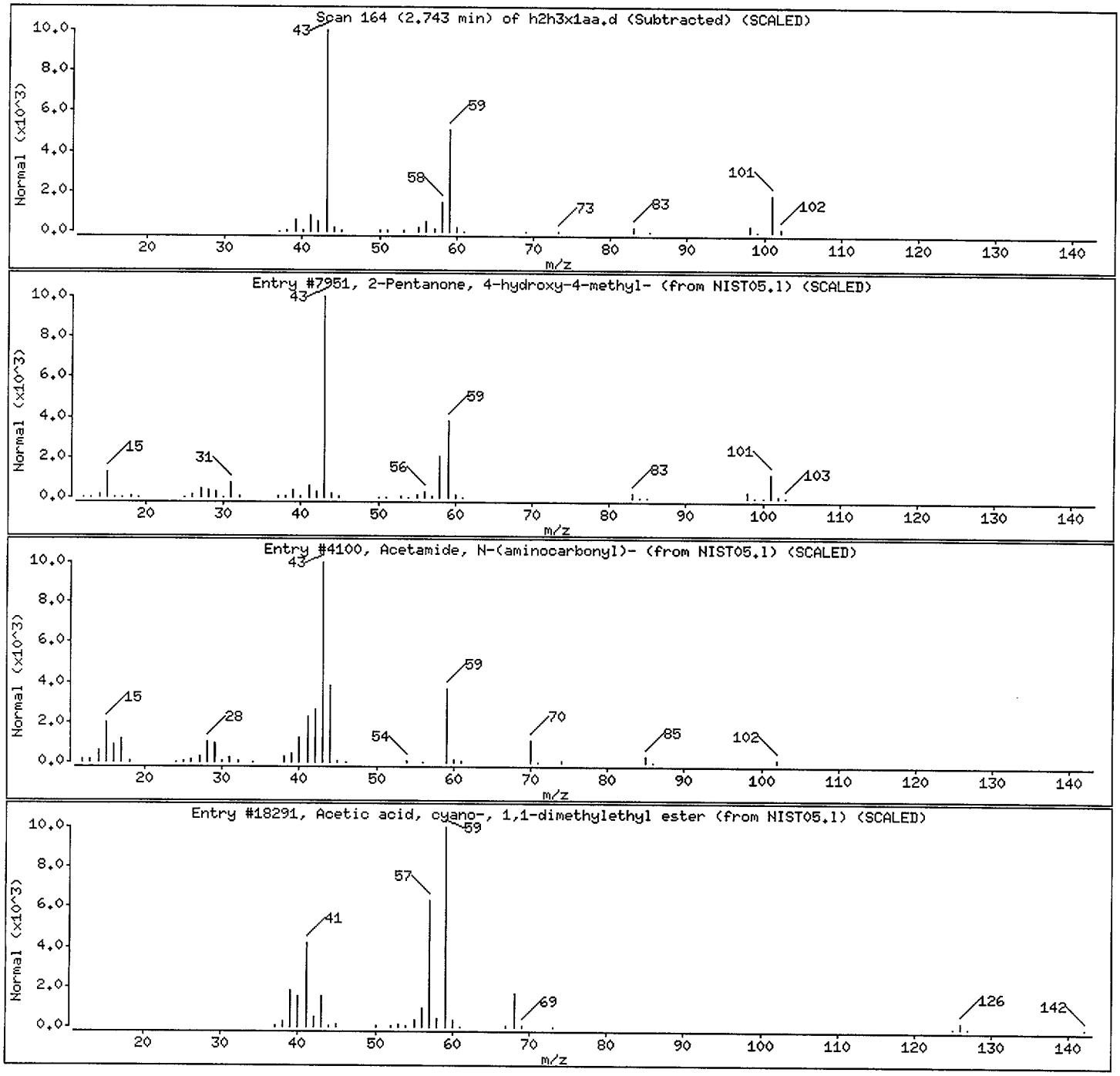
Client ID: G-3103/3104-R3-MM5 Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7951	53	C6H12O2	116
Acetamide, N-(aminocarbonyl)-	591-07-1	NIST05.1	4100	40	C3H6N2O2	102
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.1	18291	25	C7H11NO2	141



Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

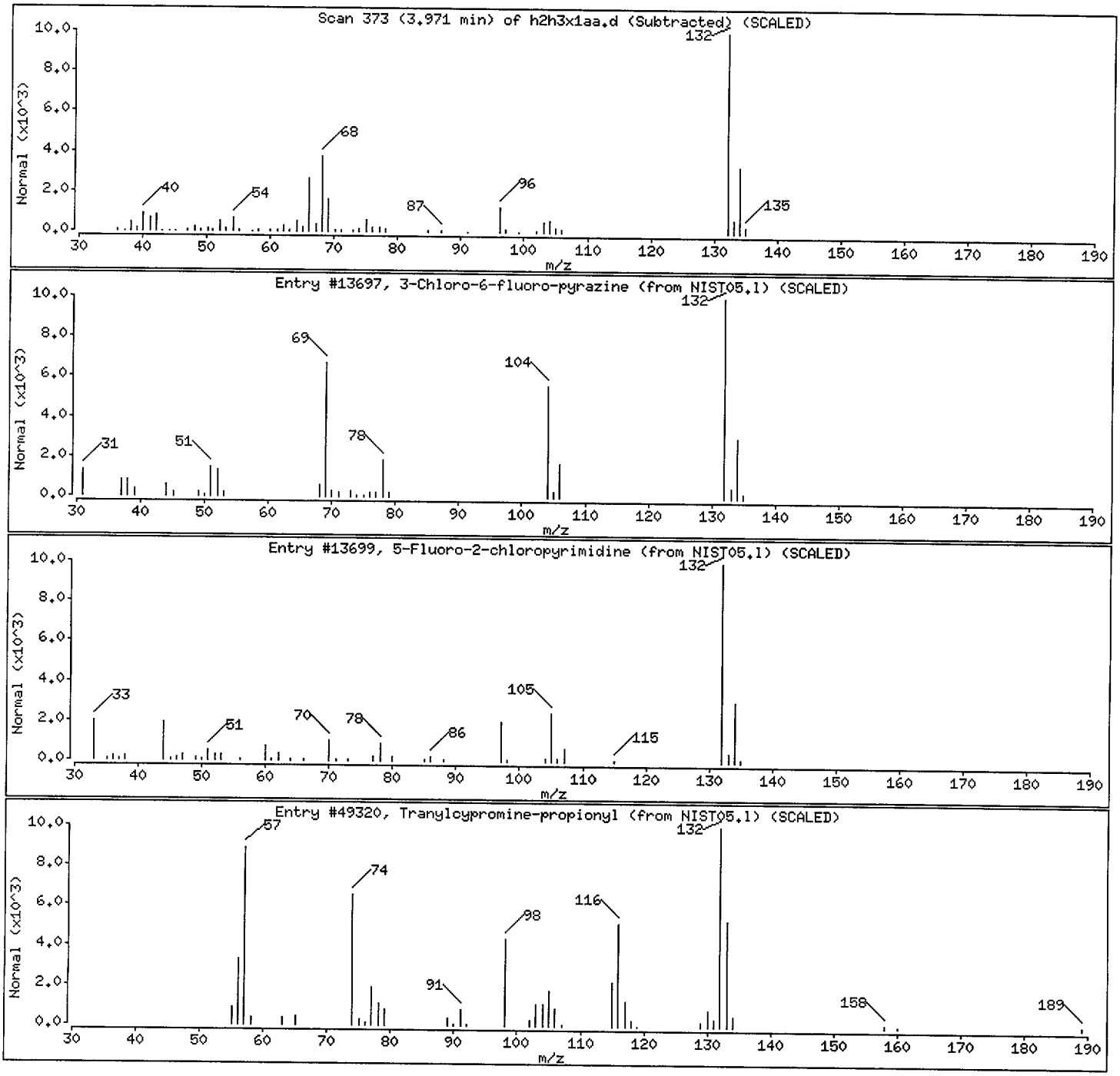
Client ID: G-3103/3104-R3-MM5 Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	25	C4H2ClFN2	132
Tranylcypromine-propionyl	1000123-86-3	NIST05.1	49320	12	C12H15NO	189



Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

Client ID: G-3103/3104-R3-MM5

Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

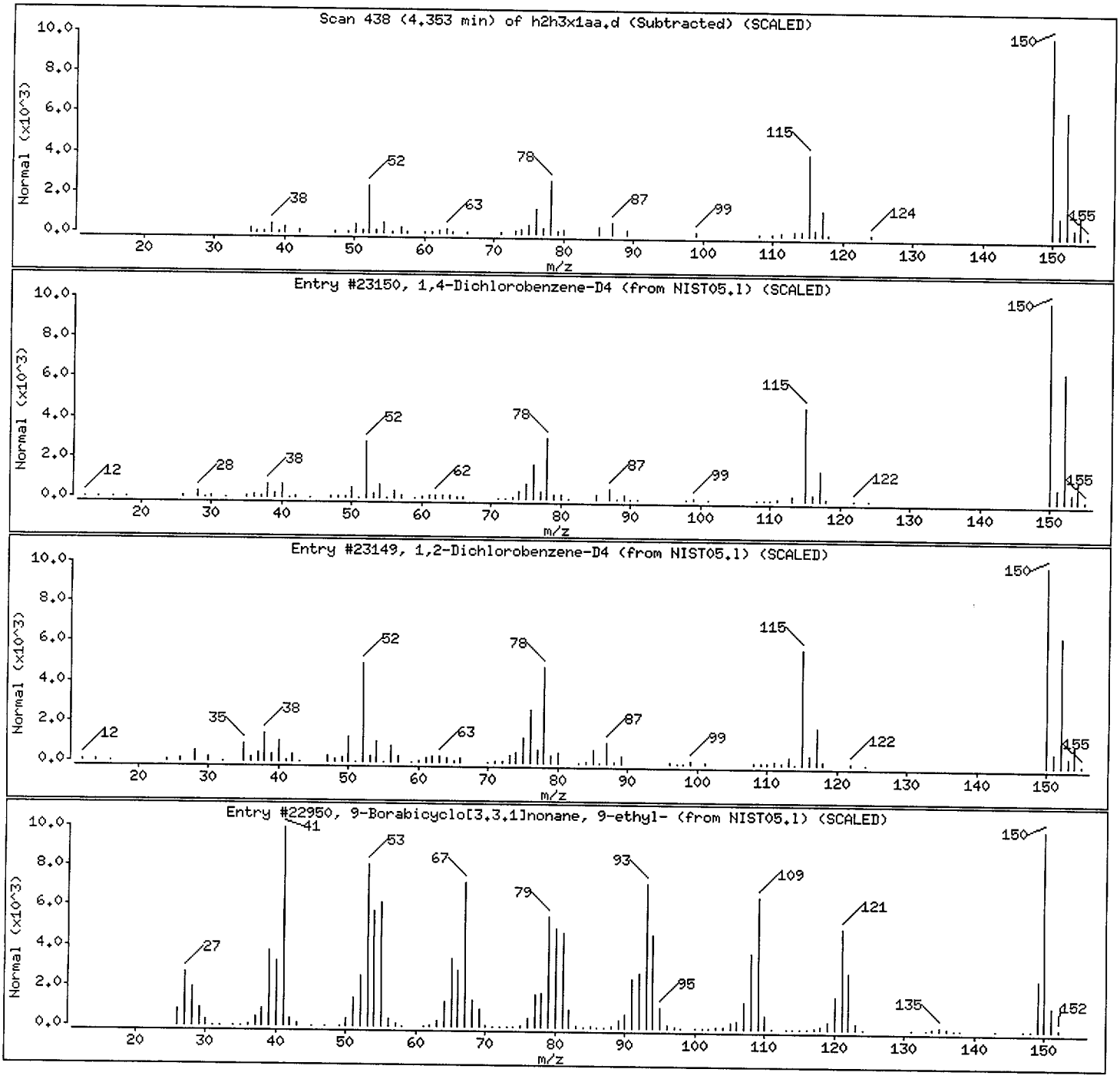
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	96	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	38	C10H19B	150



Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

Client ID: G-3103/3104-R3-MM5

Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

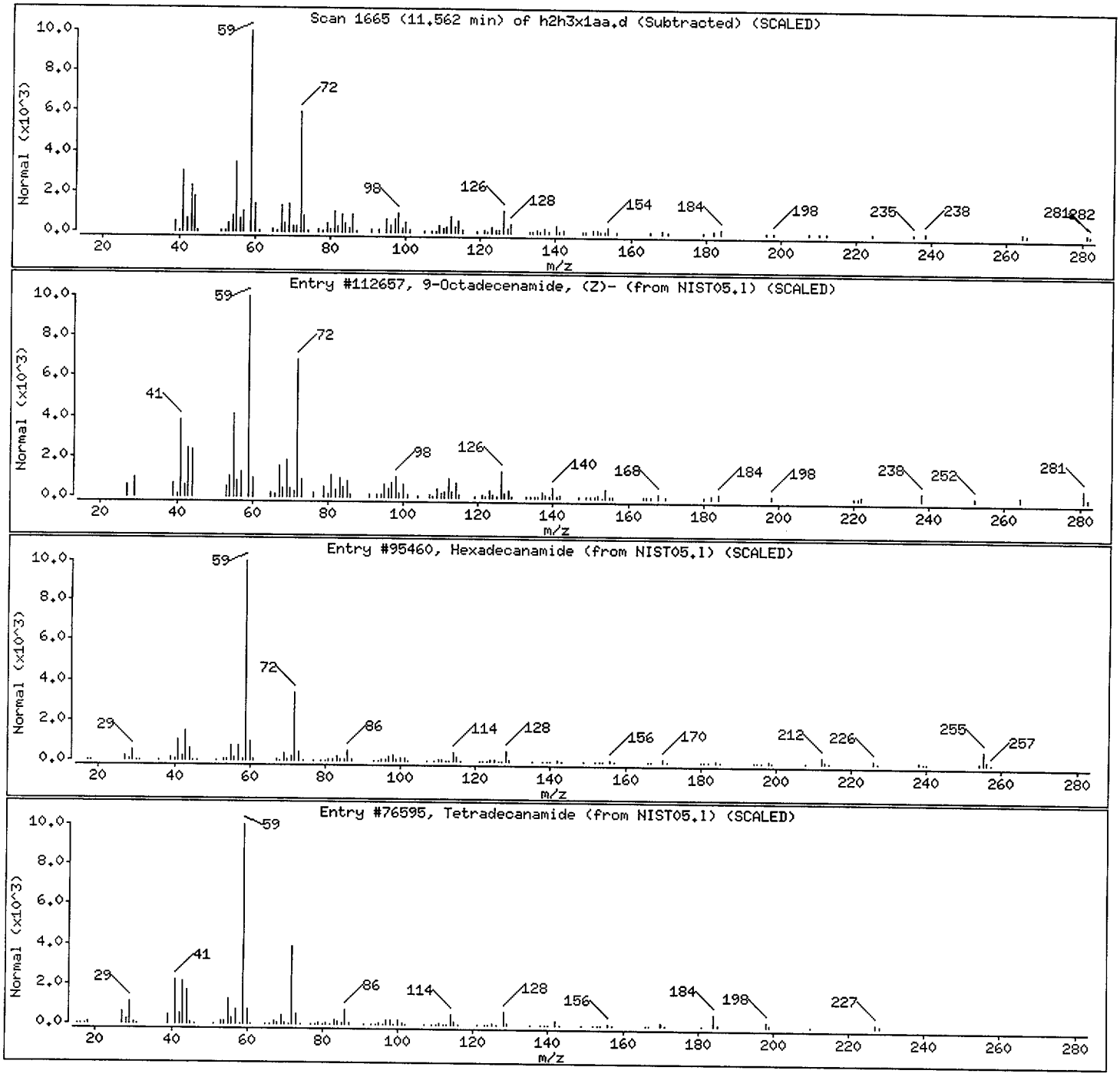
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
9-Octadecenamide, (Z)-	301-02-0	NIST05.1	112657	97	C18H35NO	281
Hexadecanamide	629-54-9	NIST05.1	95460	72	C16H33NO	255
Tetradecanamide	638-58-4	NIST05.1	76595	64	C14H29NO	227



Data File: /var/chem/gcms/md.i/D042806.b/h2h3x1aa.d

Date : 28-APR-2006 16:31

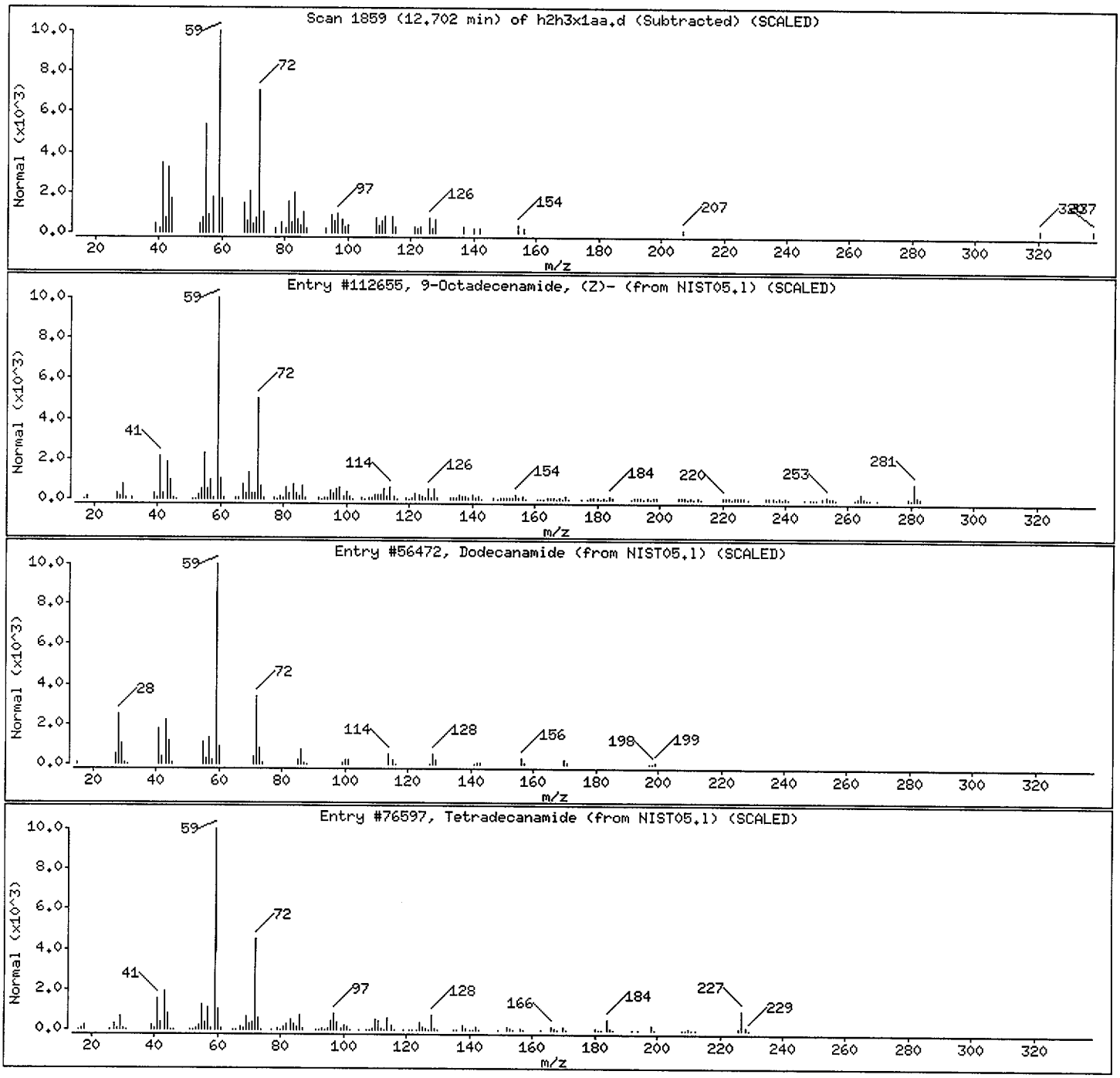
Client ID: G-3103/3104-R3-MM5 Instrument: md.i

Sample Info: H2H3X1AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
9-Octadecenamide, (Z)-	301-02-0	NIST05.1	112655	80	C18H35NO	281
Dodecanamide	1120-16-7	NIST05.1	56472	59	C12H25NO	199
Tetradecanamide	638-58-4	NIST05.1	76597	59	C14H29NO	227



STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Lab Smp Id: H2H301AA Client Smp ID: G-3105/3106-R3-MM5
Inj Date : 28-APR-2006 13:24
Operator : 60841 Inst ID: md.i
Smp Info : H2H301AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	67660	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	241112	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	167165	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	305195	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	304793	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	270096	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	176819	37.3699	37.4
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	230613	40.4053	40.4
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	123408	22.7060	22.7
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	318801	28.9285	28.9
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	82927	42.8512	42.8
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	532091	35.8921	35.9
$ 179 13C6-naphthalene	134	5.774	5.775	(1.004)	1873146	120.646	121(A)

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 10:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
175 1,4-Dioxane	88	2.149	1.850	(0.517)	1903	1.19480	~~1.19~~
15 Phenol (ccc)	94	3.865	3.865	(0.929)	4226	0.70066	0.701
32 2,4-Dimethyphenol	107	5.516	5.340	(0.959)	7257	1.36949	~~1.37~~
34 Benzoic acid	122	5.534	5.504	(0.962)	12870	4.69947	4.70 5
37 Naphthalene	128	5.780	5.775	(1.005)	140380	9.94287	~~9.94~~ K Foop
38 4-Chloroaniline	127	5.780	5.898	(1.005)	19149	3.14660	~~3.15~~
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	4104	1.20863	~~1.21~~
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	57388	5.16911	5.17
84 Benzidine	184	11.204	11.016	(1.129)	6512	0.52062	~~0.521~~
91 acetophenone	105	4.617	4.623	(1.110)	28840	5.07382	5.07
184 Benzaldehyde	105	3.742	3.742	(0.900)	21324	6.90069	6.90
185 Benzonitrile	103	3.918	3.935	(0.942)	1738	0.25119	~~0.251~~

050506

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 10:34

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Lab Smp Id: H2H301AA
Client Smp ID: G-3105/3106-R3-MM5
Inj Date : 28-APR-2006 13:24
Operator : 60841
Inst ID: md.i
Smp Info : H2H301AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek
Quant Type: ISTD
Cal Date : 27-APR-2006 15:00
Cal File: bbdd271.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable
Local Compound Variable

05-01-06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	67660	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	241112	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	167165	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	305195	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	304793	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	270096	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	176819	37.3700	37.4
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	230613	40.4054	40.4
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	123408	22.7060	22.7
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	318801	28.9285	28.9
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	82927	42.8512	42.8
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	532091	35.8921	35.9
$ 179 13C6-naphthalene	134	5.774	5.775	(1.004)	1873146	120.647	121(A)

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 10:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
15 Phenol (ccc)	94	3.865	3.865	(0.929)	4226	0.70056	0.700
34 Benzoic acid	122	5.469	5.504	(0.951)	25872	9.44697	9.45(H)
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	57388	5.16903	5.17
91 acetophenone	105	4.617	4.623	(1.110)	28840	5.07369	5.07
184 Benzaldehyde	105	3.742	3.742	(0.900)	21324	6.90045	6.90

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h301aa.d
Lab Smp Id: H2H301AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3105/3106-R3-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	67660	9.99
2 Naphthalene-d8	201763	100882	403526	241112	19.50
3 Acenaphthene-d10	143273	71636	286546	167165	16.68
4 Phenanthrene-d10	247023	123512	494046	305195	23.55
5 Chrysene-d12	265356	132678	530712	304793	14.86
6 Perylene-d12	233795	116898	467590	270096	15.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	-0.01
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H301AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westatesc13.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

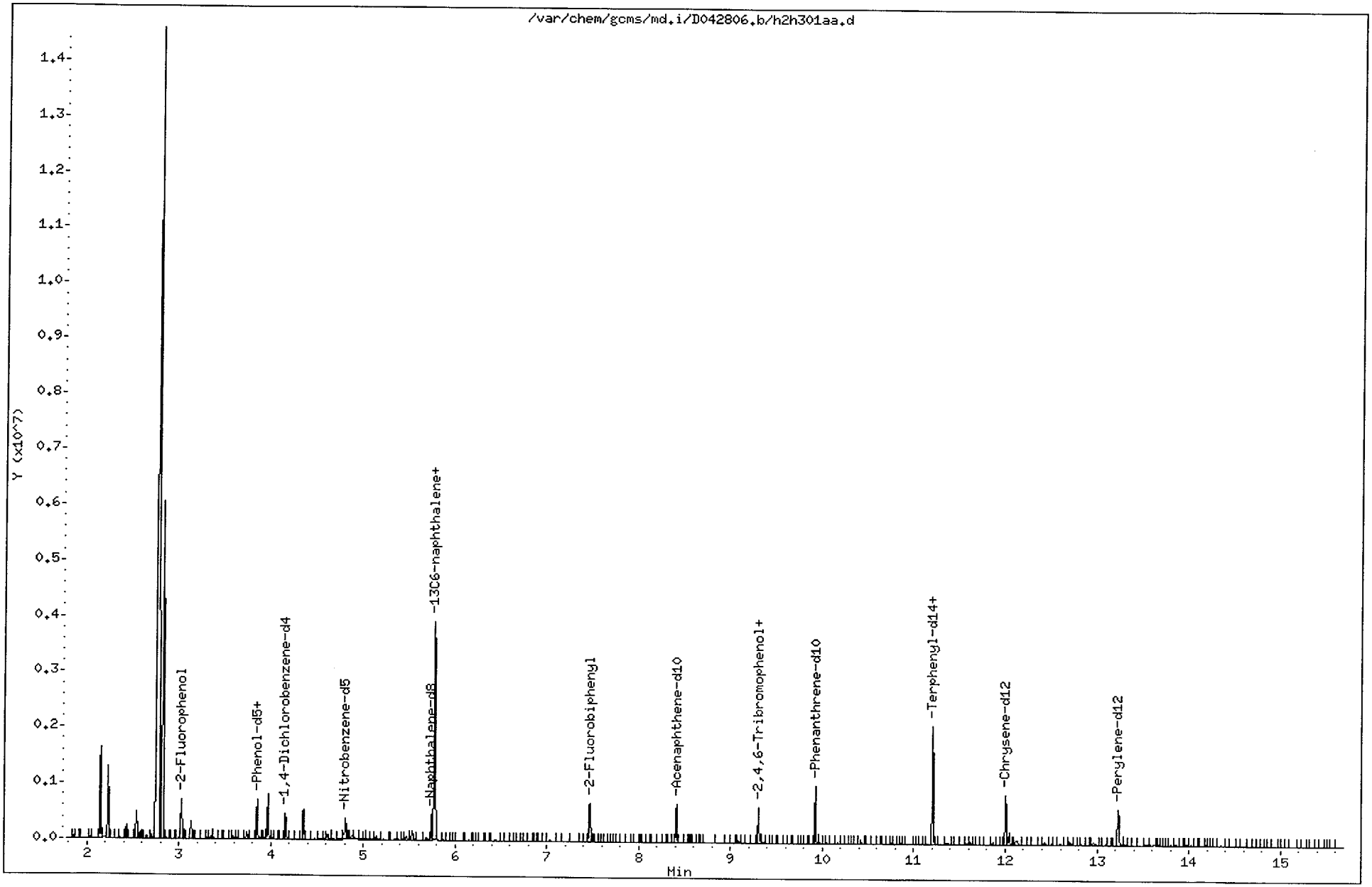
Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3105/3106-R3-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	37.4	49.83	19-100
$ 8 Phenol-d5	75.0	40.4	53.87	15-124
$ 9 Nitrobenzene-d5	50.0	22.7	45.41	42-104
$ 10 2-Fluorobiphenyl	50.0	28.9	57.86	51-103
$ 11 2,4,6-Tribromophen	75.0	42.8	57.13	33-130
$ 12 Terphenyl-d14	50.0	35.9	71.78	58-122
$ 179 13C6-naphthalene	100	121	120.65	50-150

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Date : 28-APR-2006 13:24
Client ID: G-3105/3106-R3-MM5
Sample Info: H2H301AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

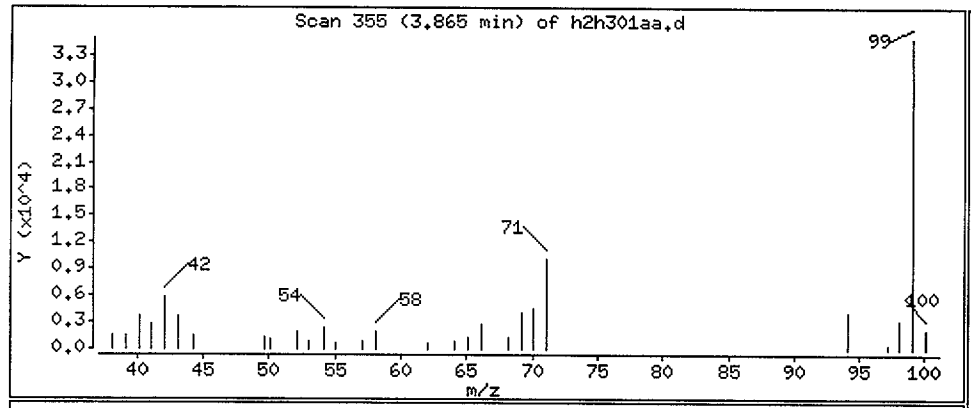
Operator: 60841

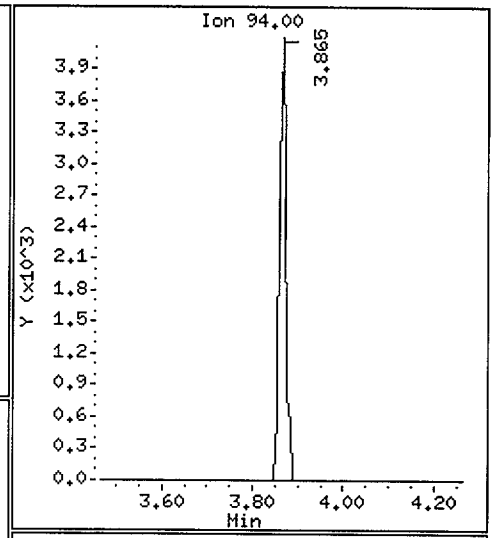
Column phase: ZB-5

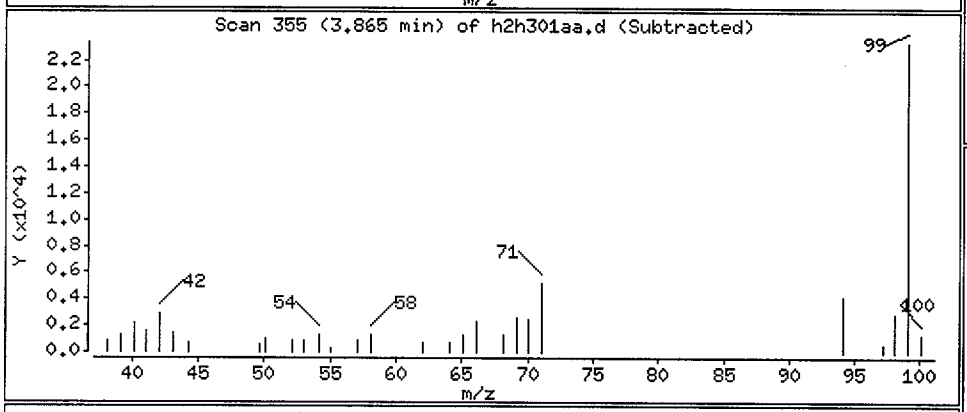
Column diameter: 0.25

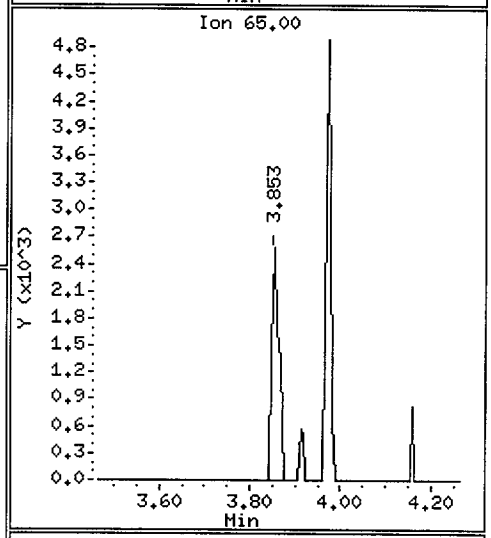
15 Phenol (ccc)

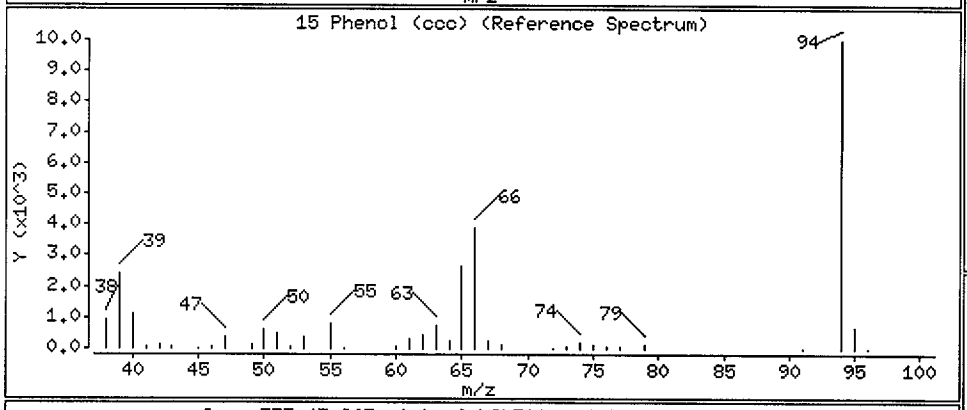
Concentration: 0.701 ug

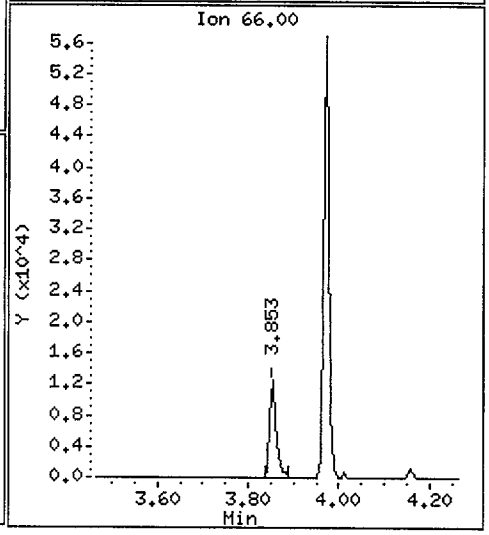


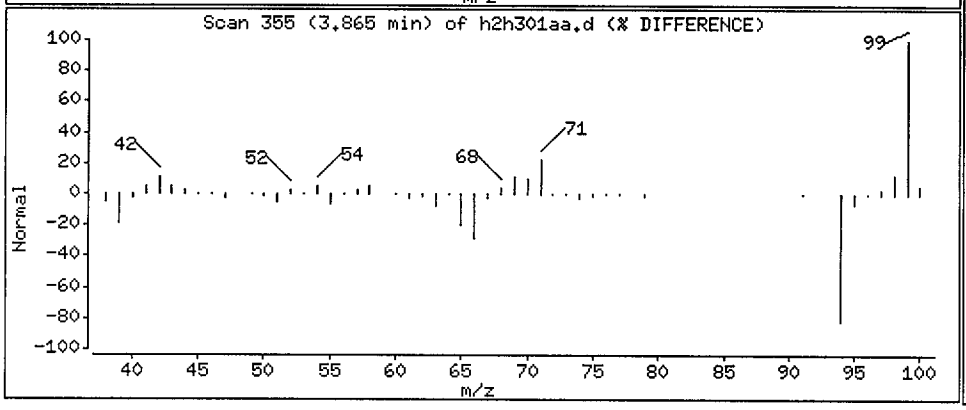












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

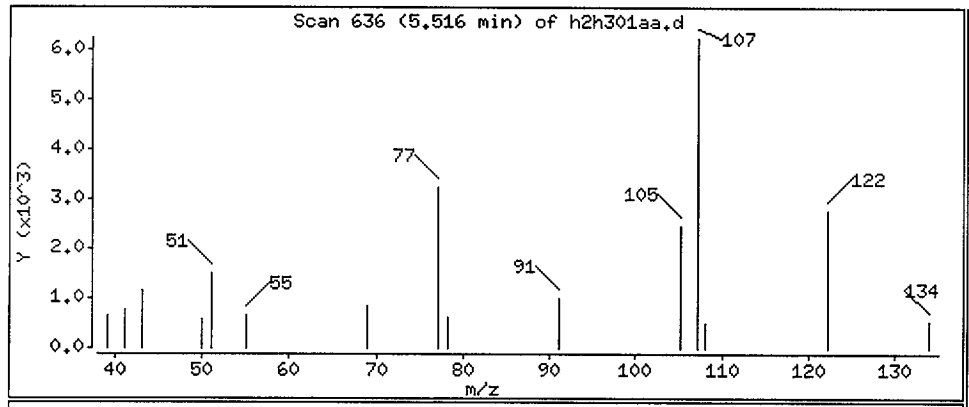
Operator: 60841

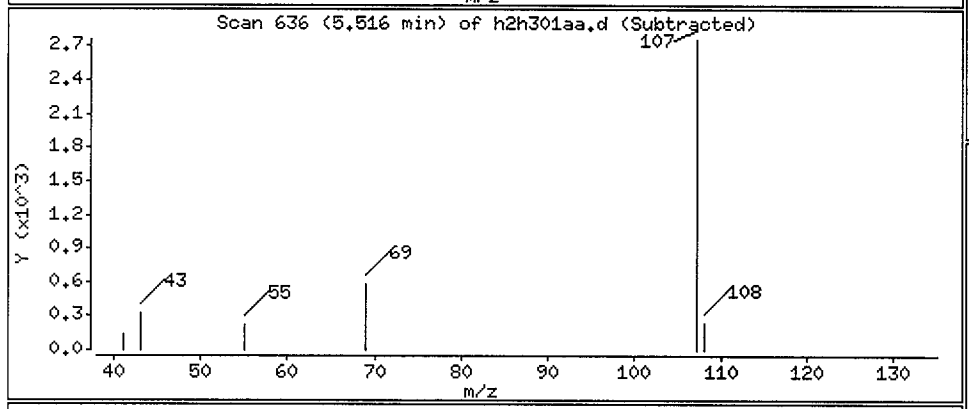
Column phase: ZB-5

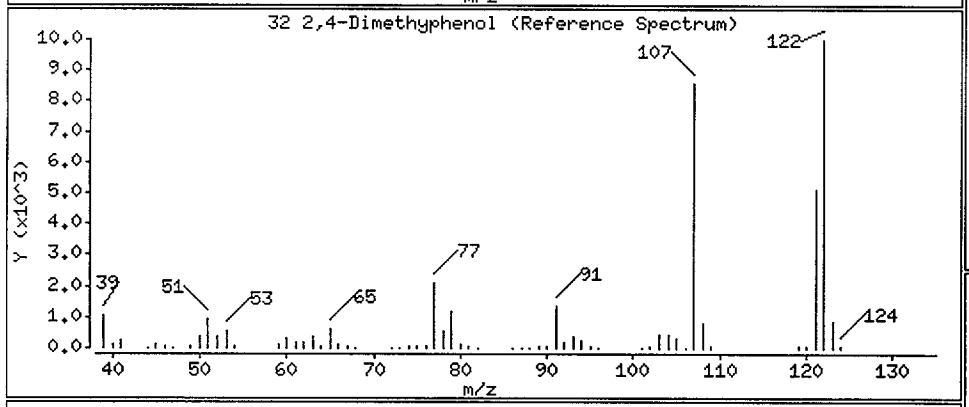
Column diameter: 0.25

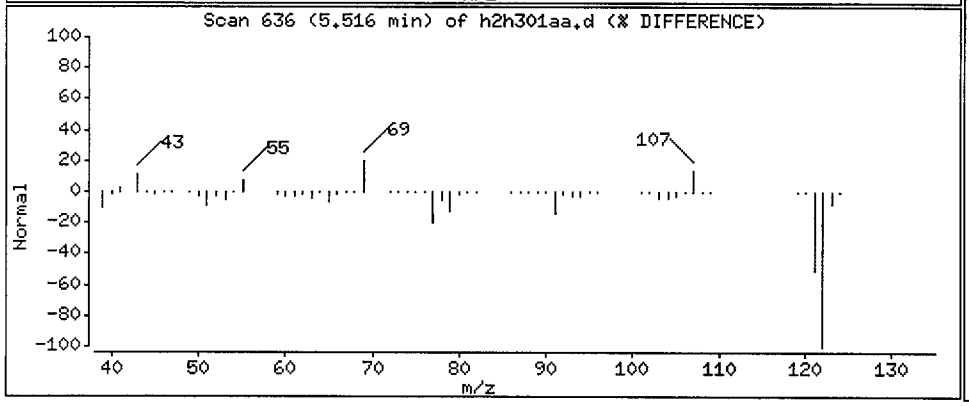
32 2,4-Dimethyphenol

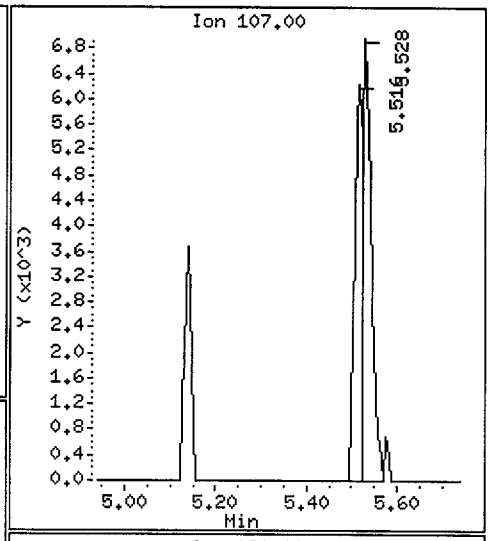
Concentration: 1.37 ug

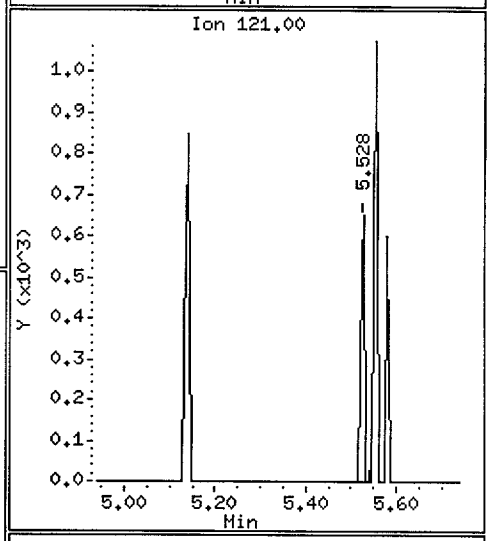


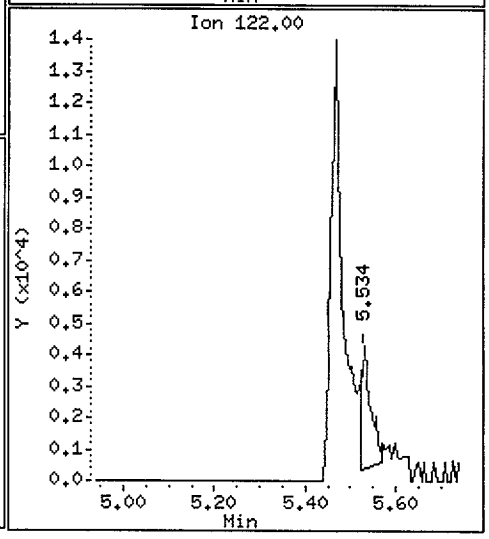












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

Operator: 60841

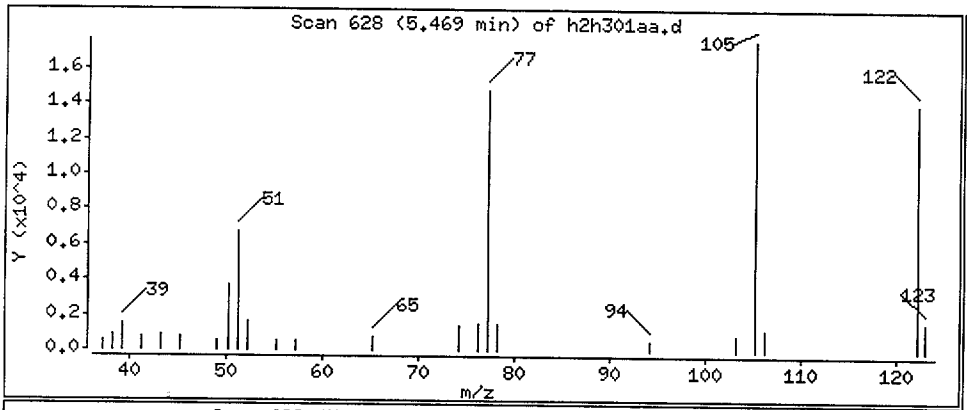
(5) KRM 5/1/06

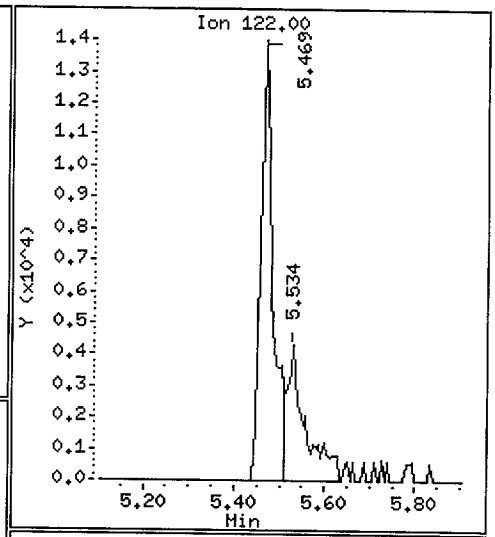
Column phase: ZB-5

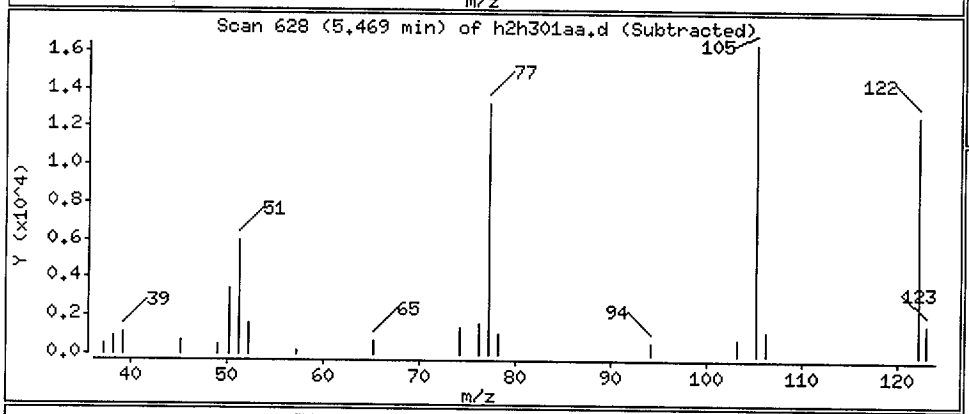
Column diameter: 0.25

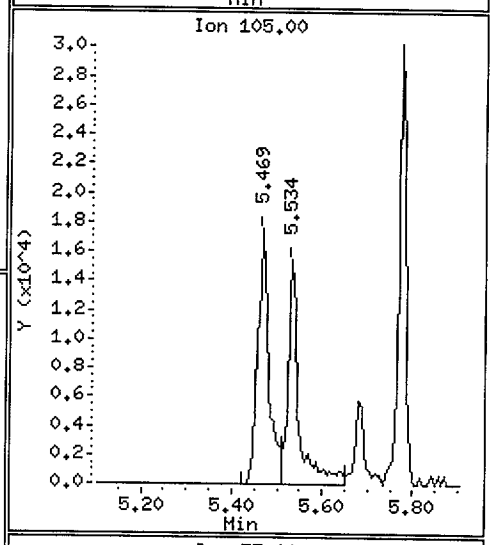
34 Benzoic acid

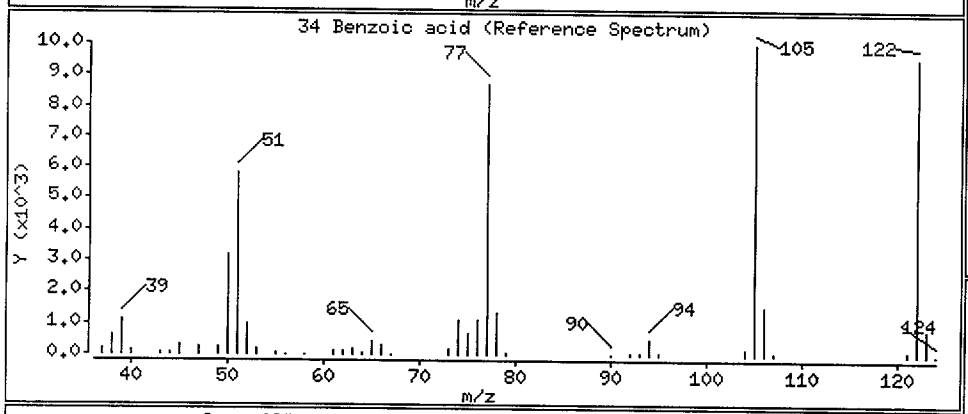
Concentration: 9.45 ug

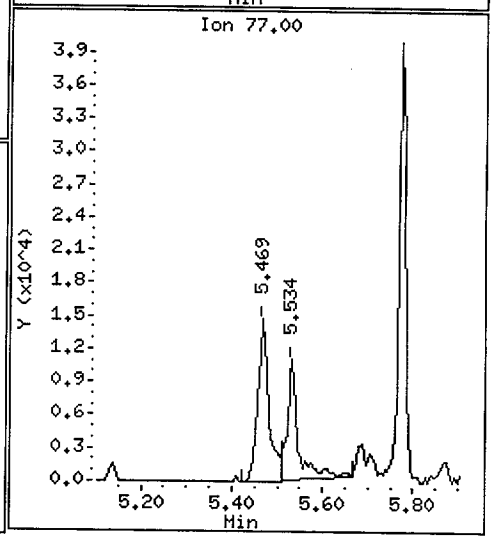


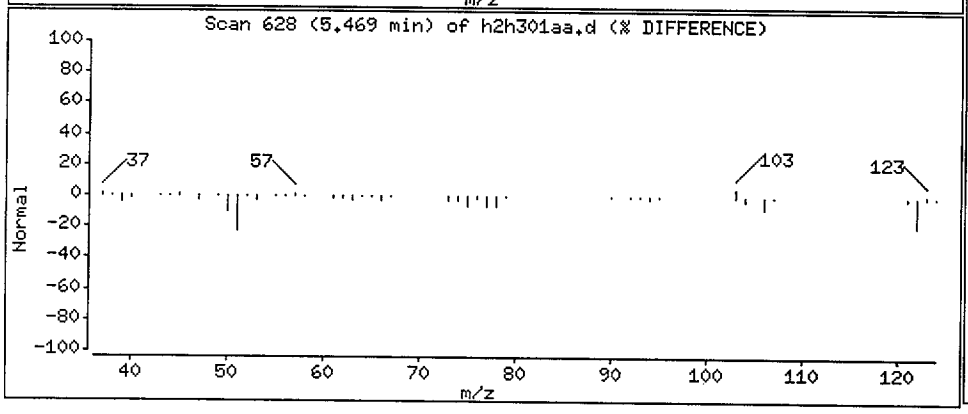












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

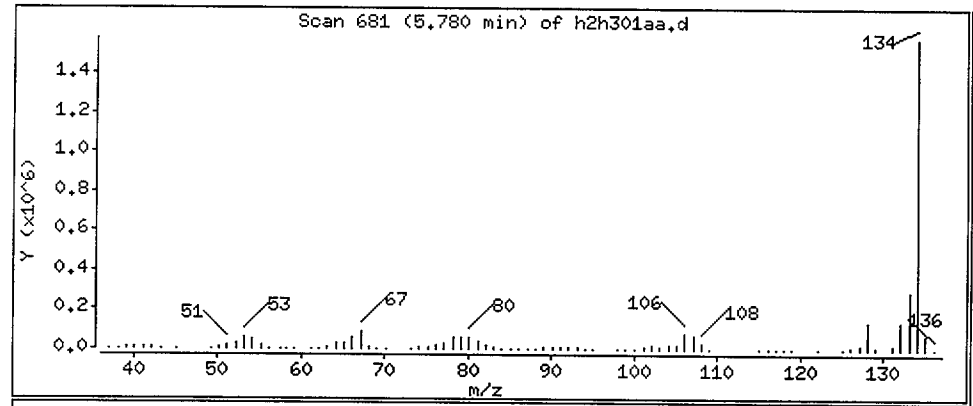
Operator: 60841

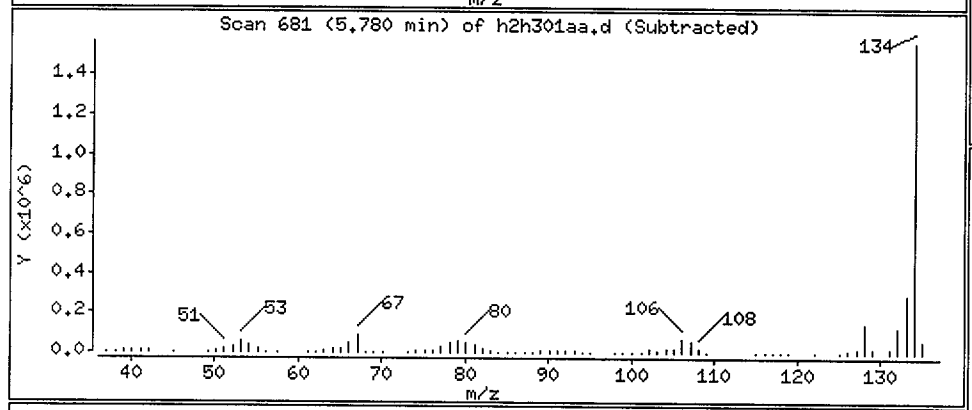
Column phase: ZB-5

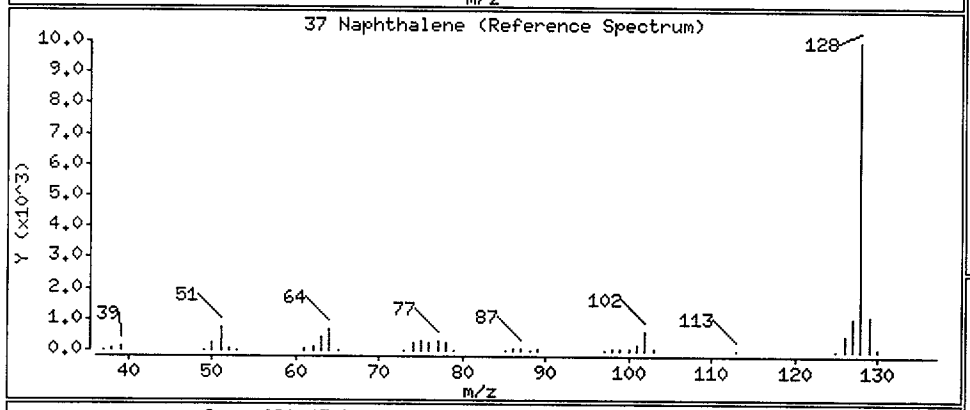
Column diameter: 0.25

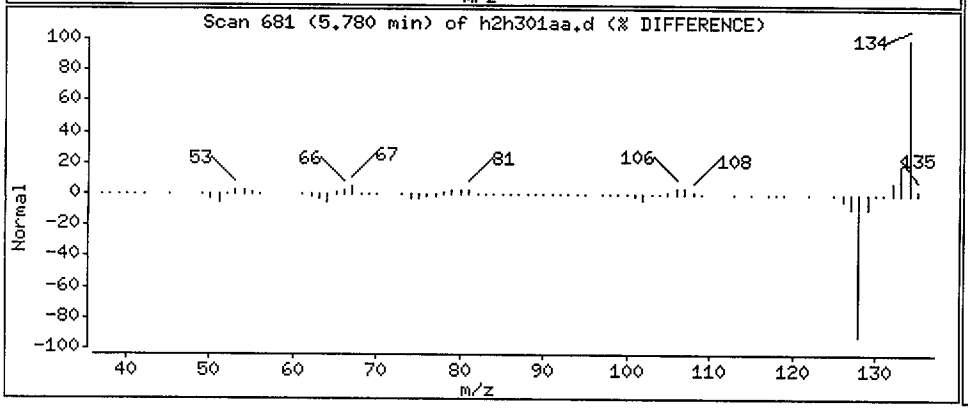
37 Naphthalene

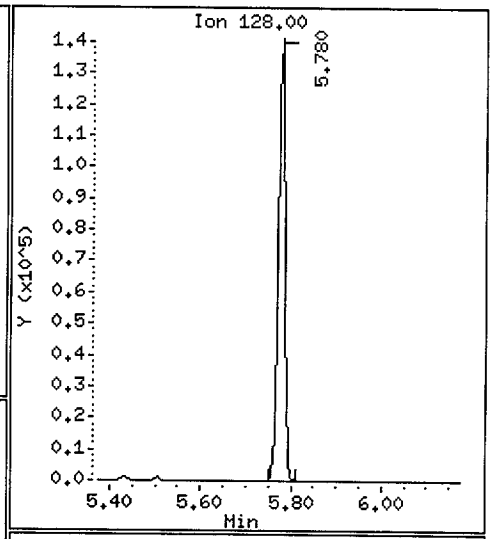
Concentration: 9.94 ug

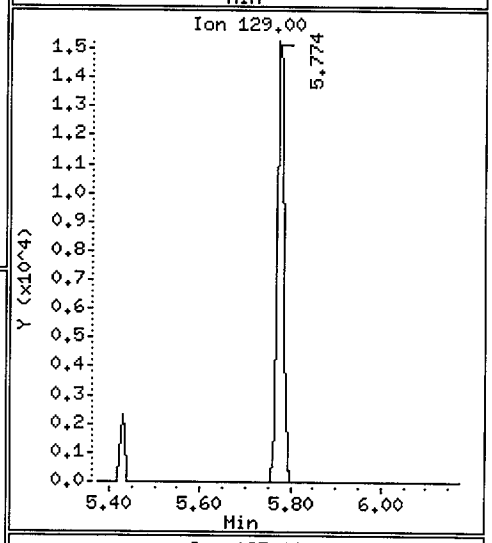


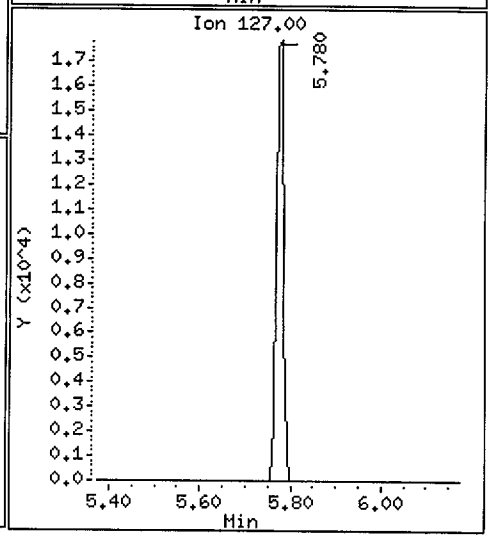












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

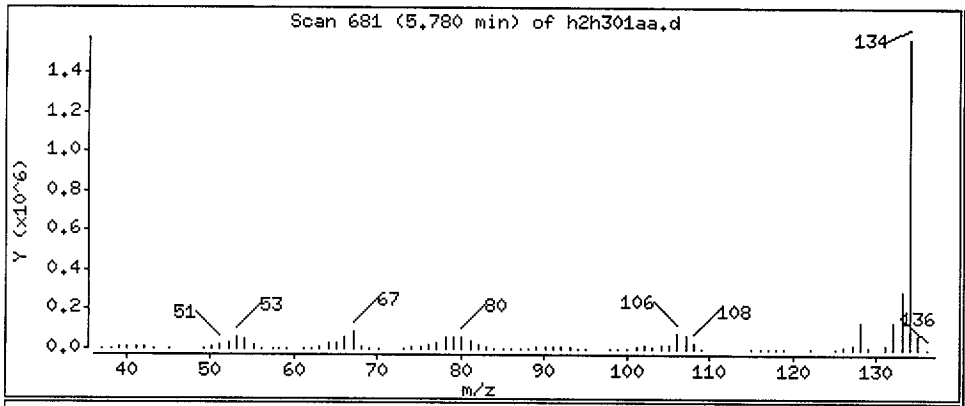
Operator: 60841

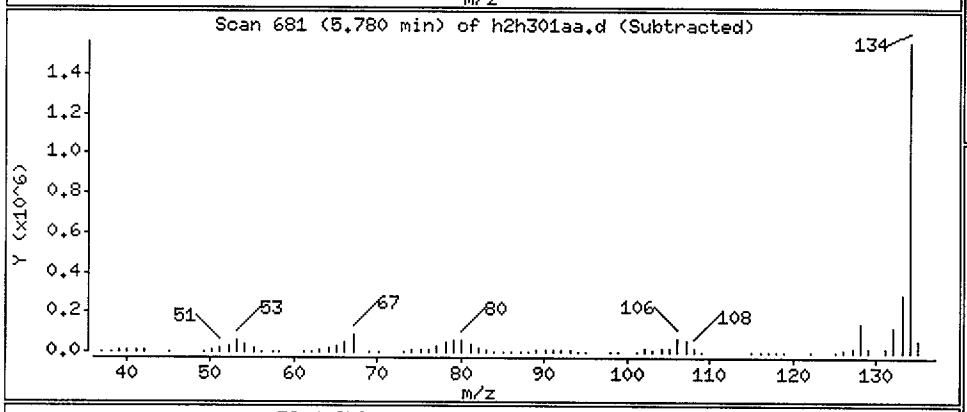
Column phase: ZB-5

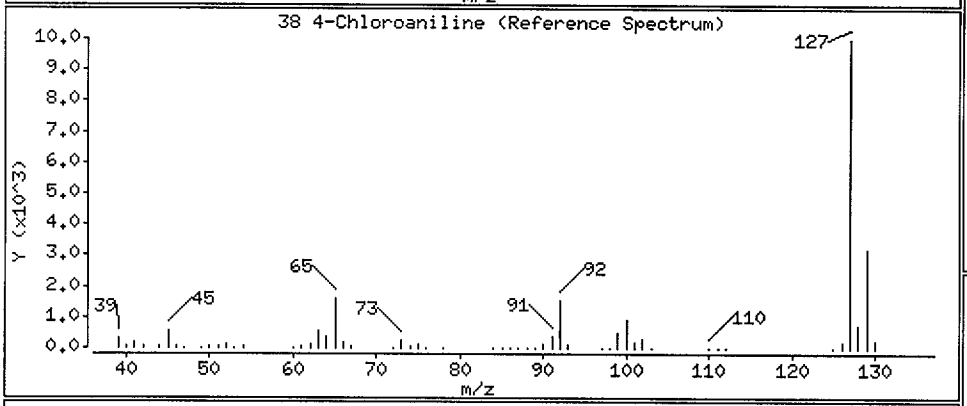
Column diameter: 0.25

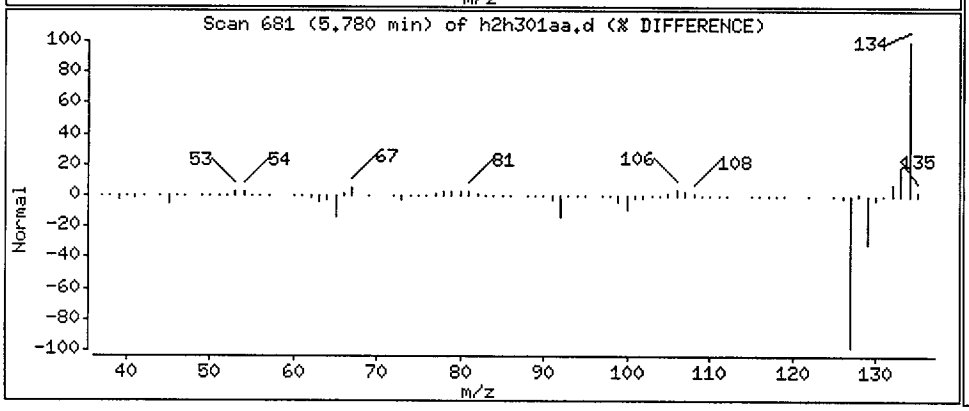
38 4-Chloroaniline

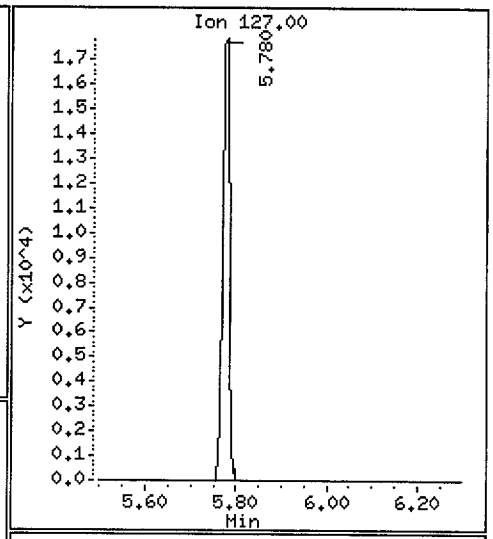
Concentration: 3.15 ug

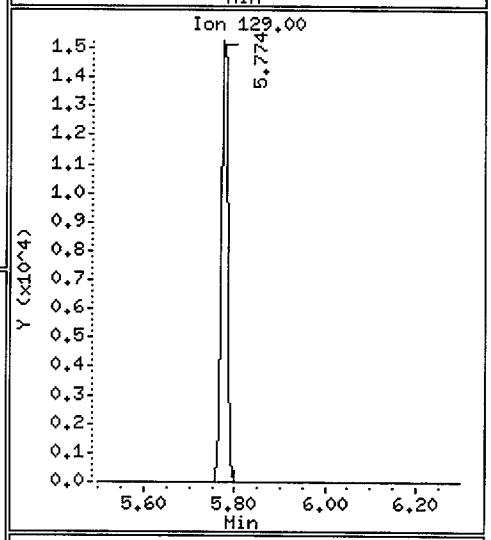


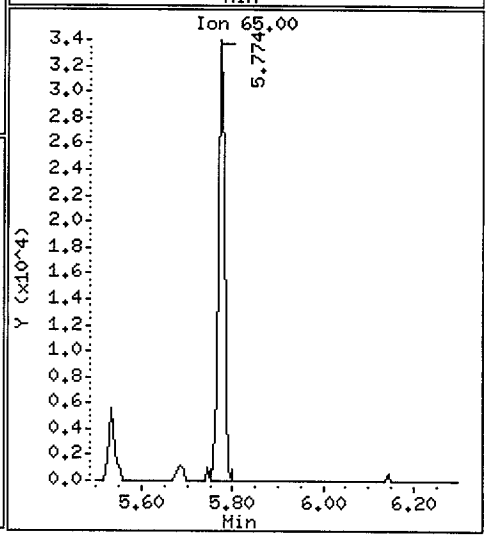












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

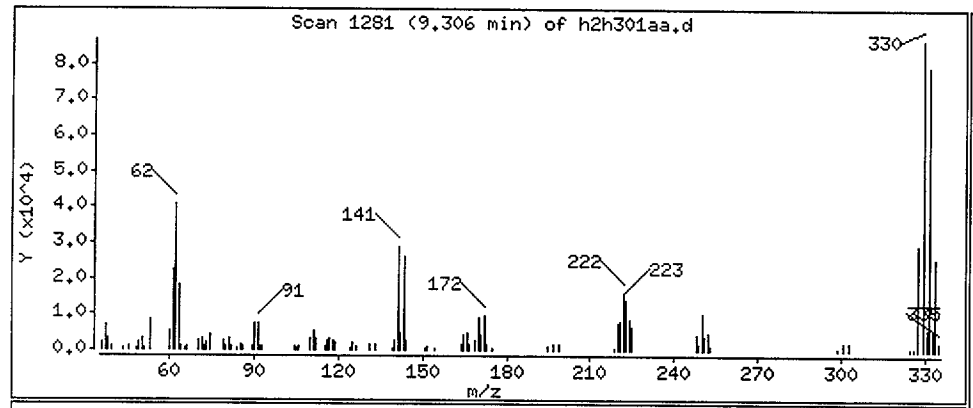
Operator: 60841

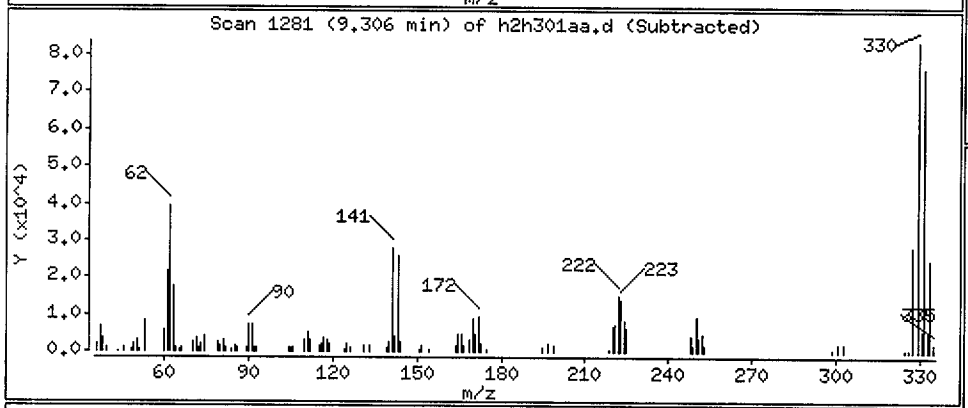
Column phase: ZB-5

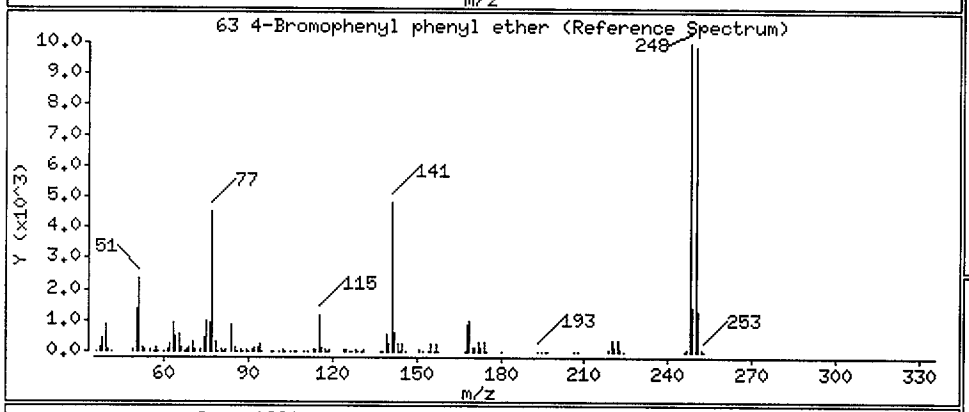
Column diameter: 0.25

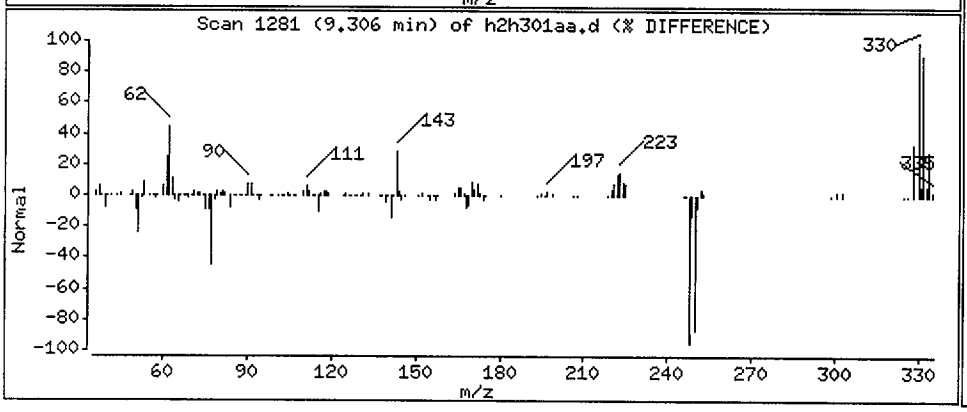
63 4-Bromophenyl phenyl ether

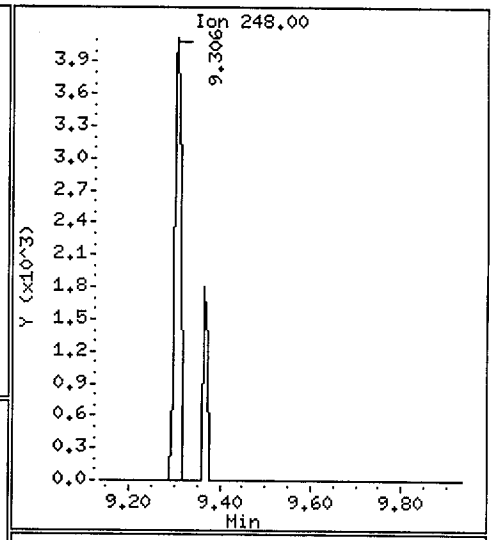
Concentration: 1.21 ug

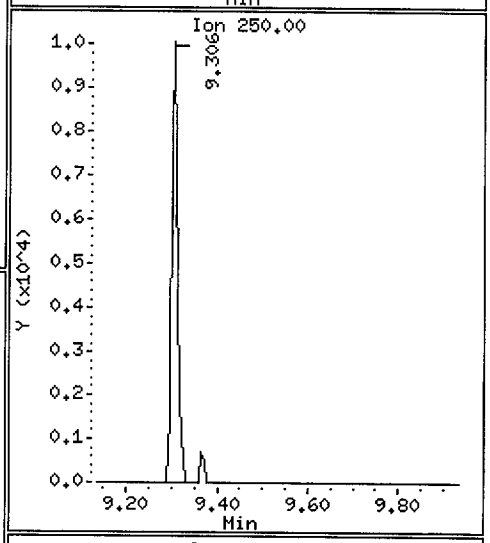


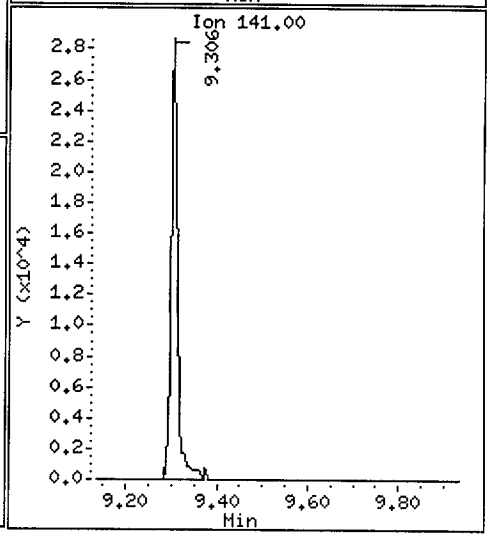












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

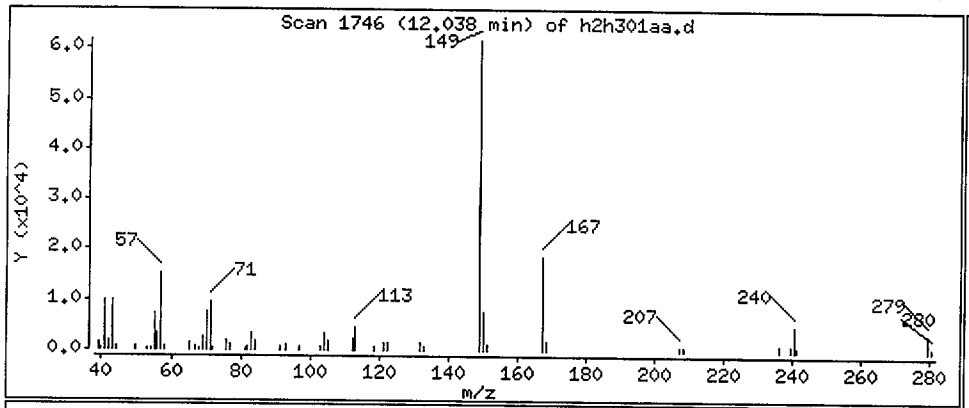
Operator: 60841

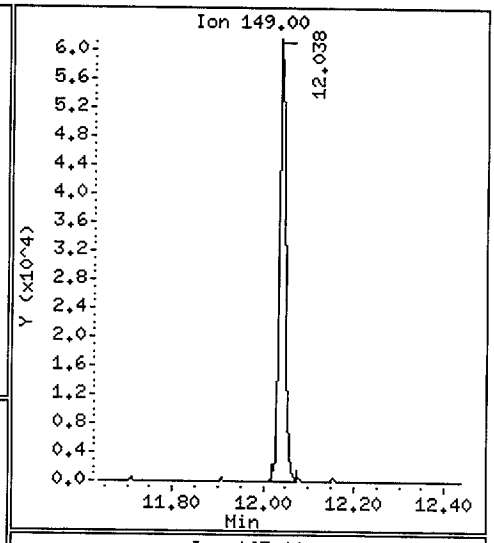
Column phase: ZB-5

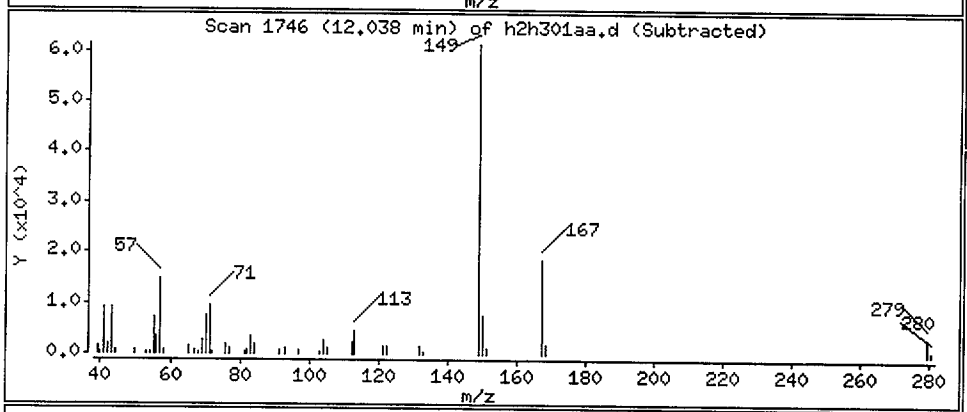
Column diameter: 0.25

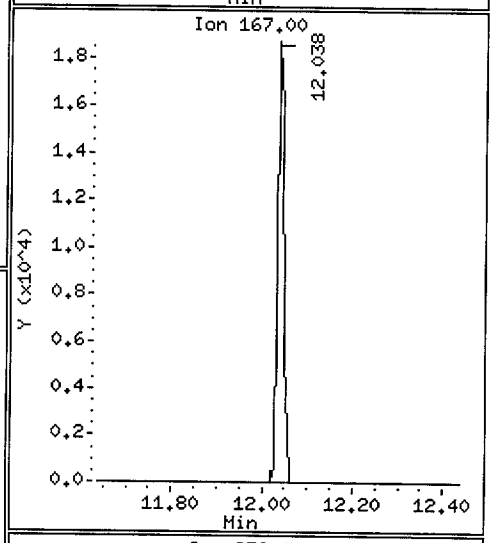
76 Bis(2-ethylhexyl) phthalate

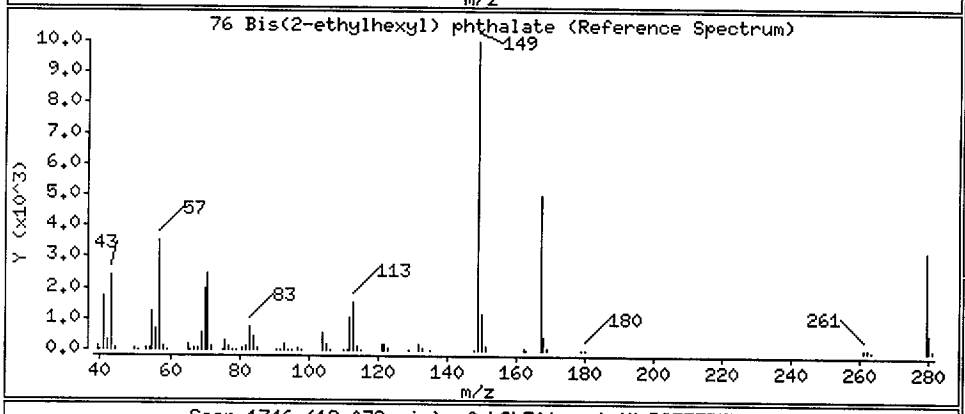
Concentration: 5.17 ug

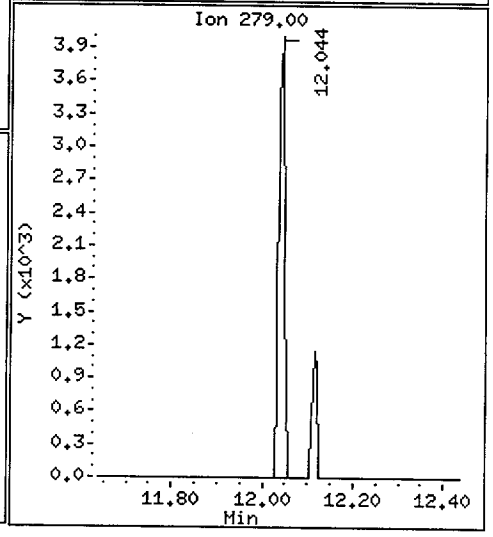


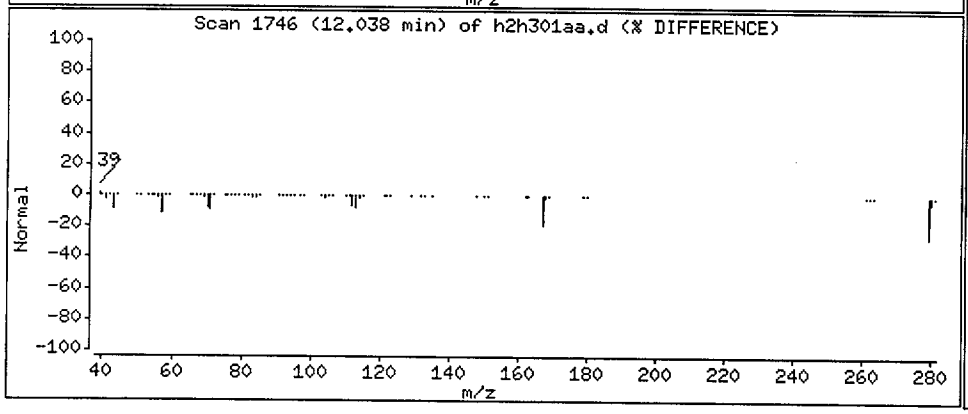












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

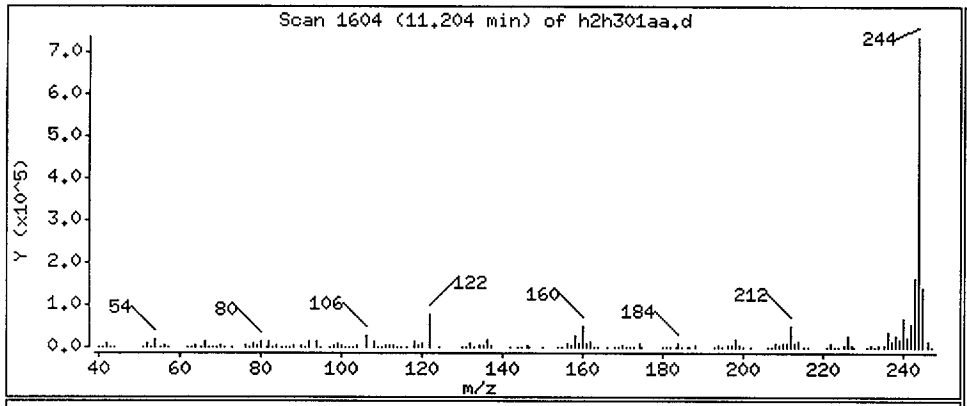
Operator: 60841

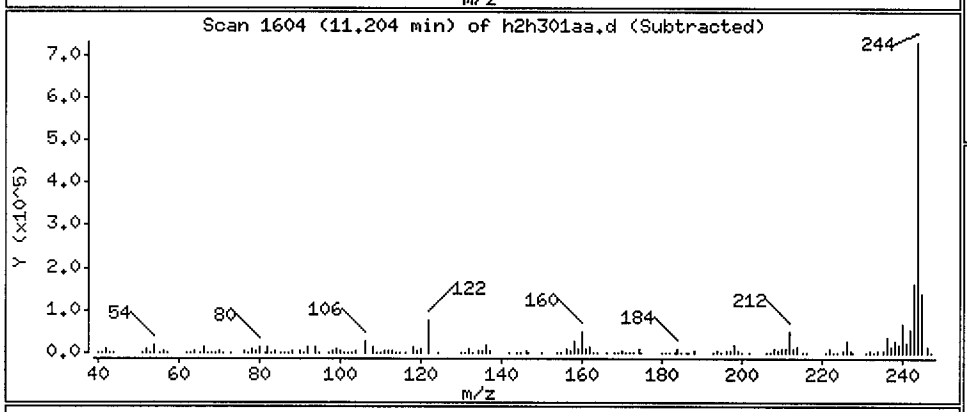
Column phase: ZB-5

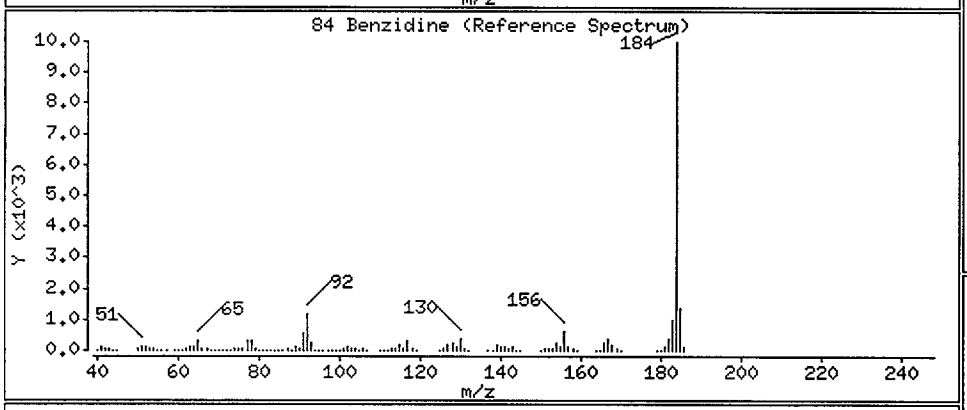
Column diameter: 0.25

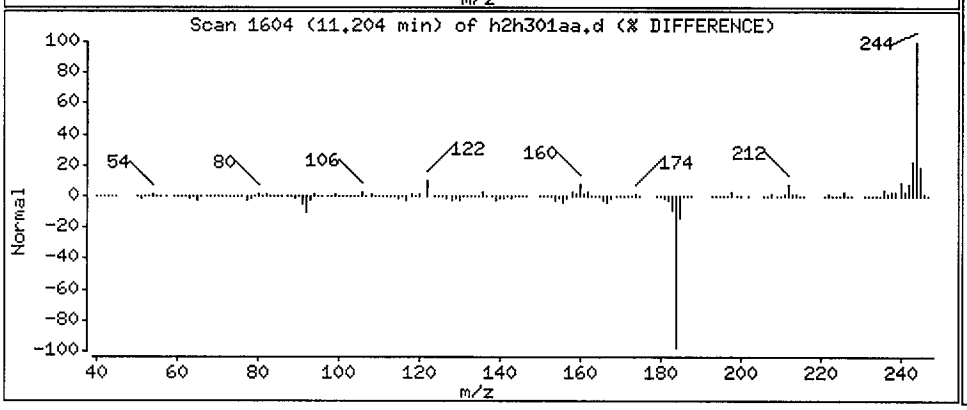
84 Benzidine

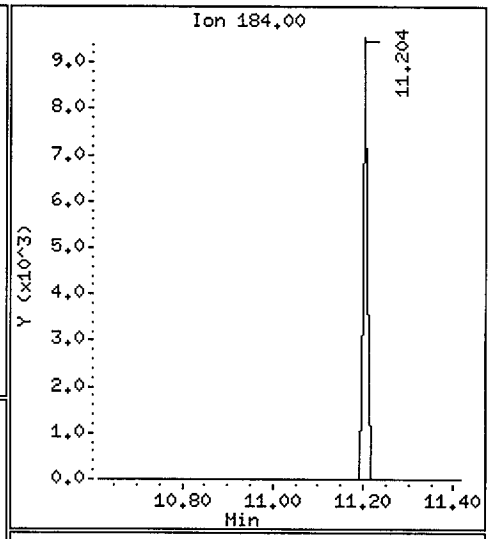
Concentration: 0.521 ug

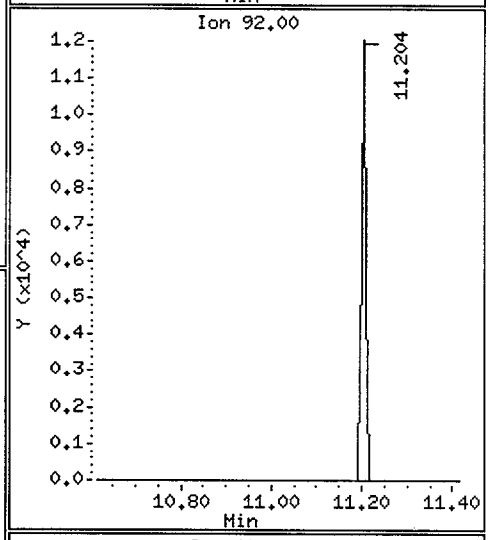


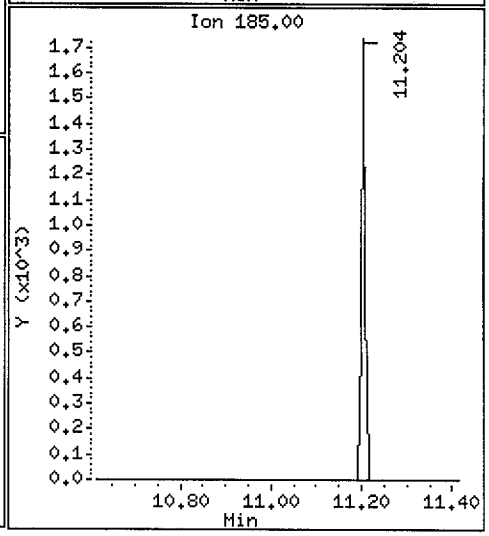












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

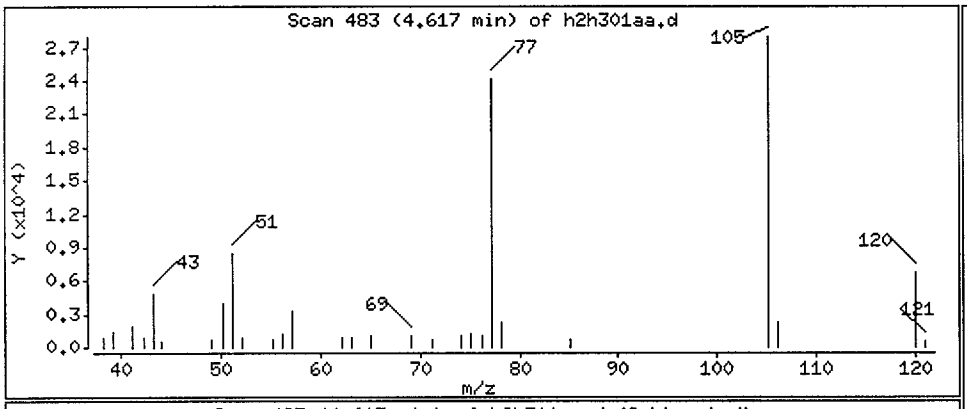
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

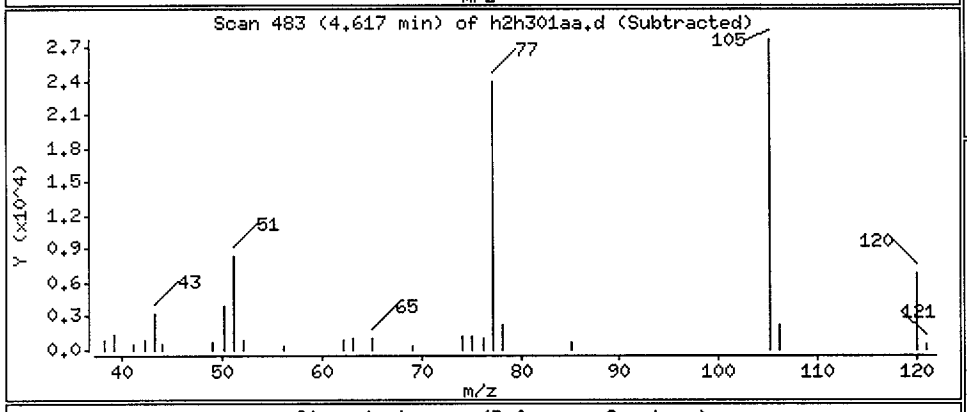
Sample Info: H2H301AA,,0,,,,

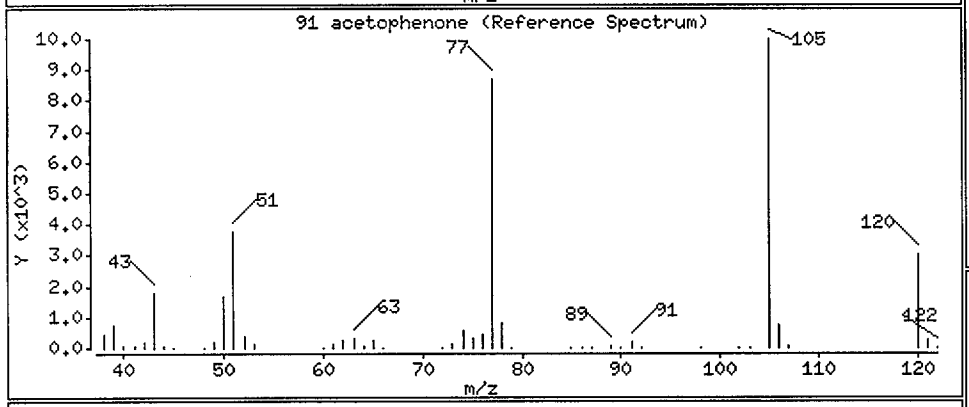
Volume Injected (uL): 1.0 Operator: 60841

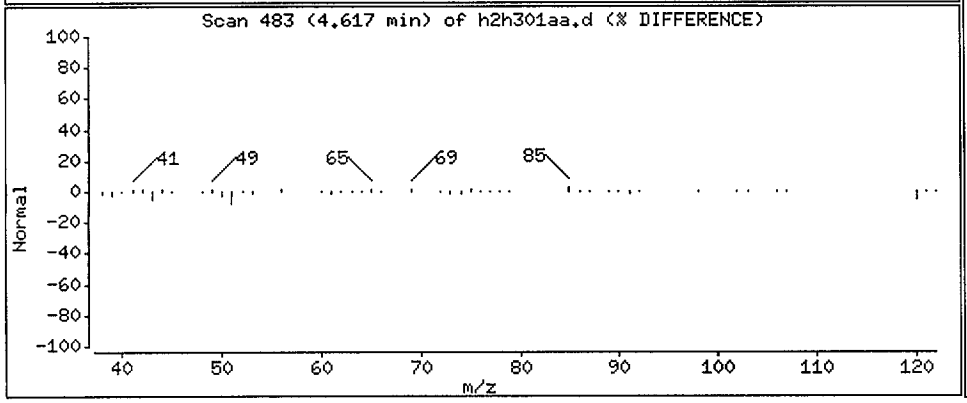
Column phase: ZB-5 Column diameter: 0.25

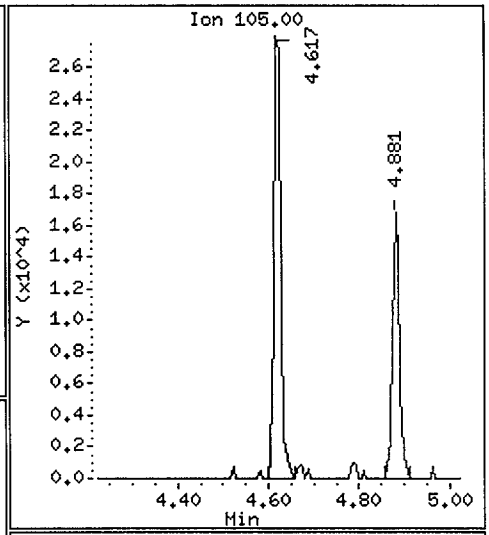
91 acetophenone Concentration: 5.07 ug

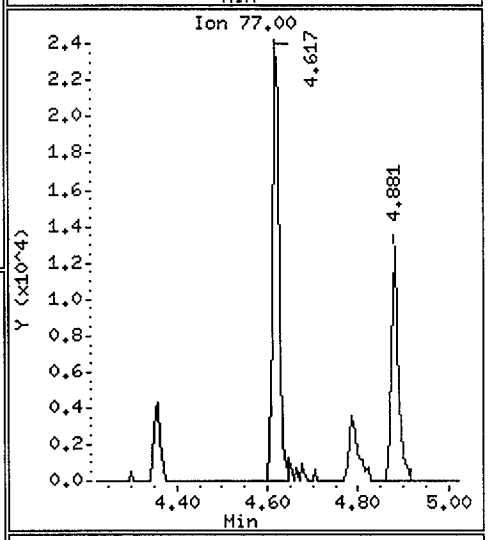


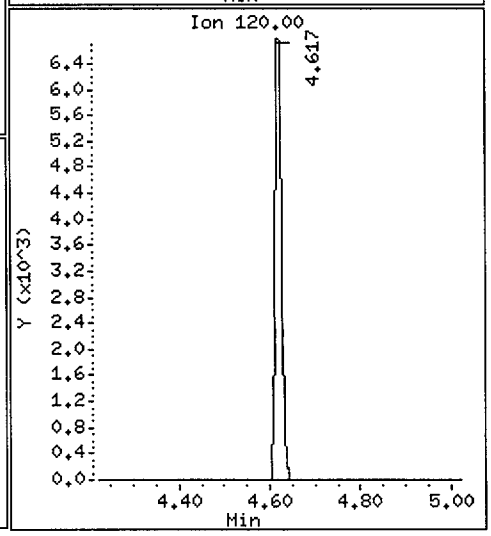












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

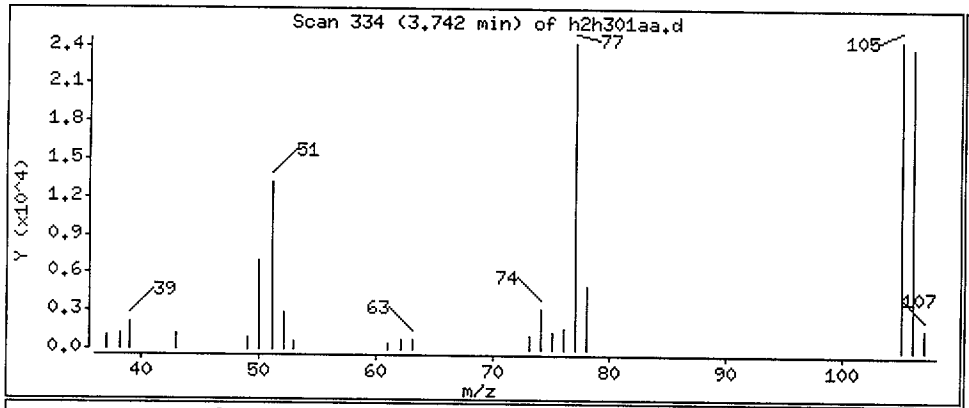
Operator: 60841

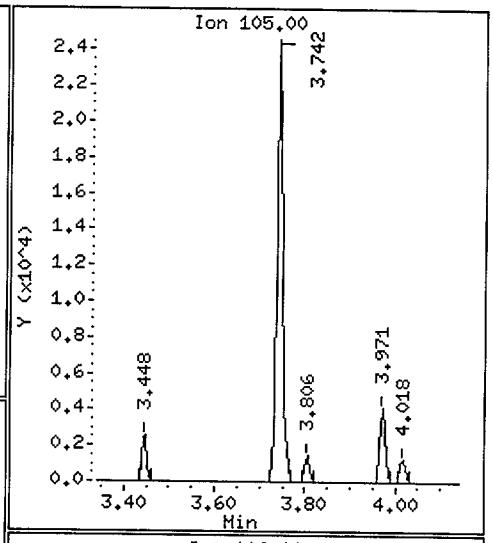
Column phase: ZB-5

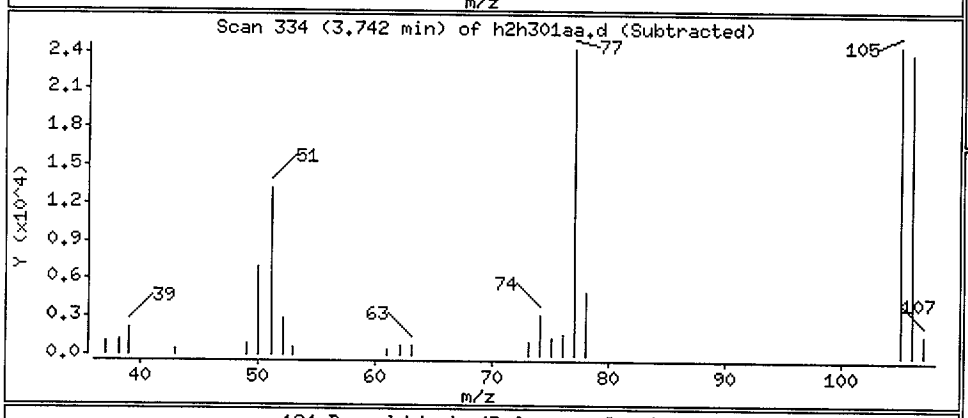
Column diameter: 0.25

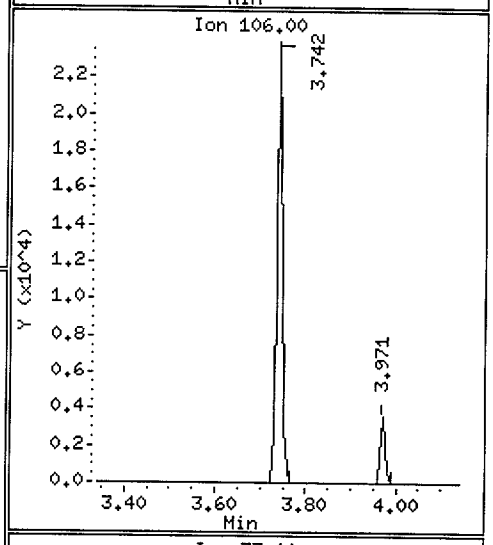
184 Benzaldehyde

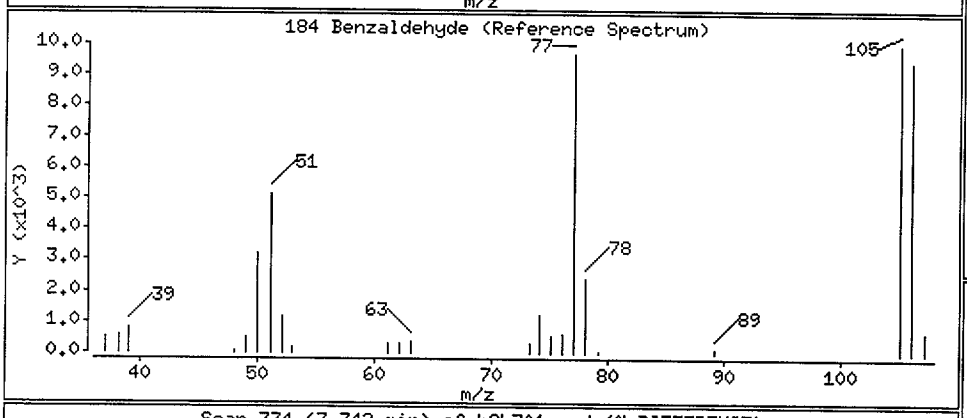
Concentration: 6.90 ug

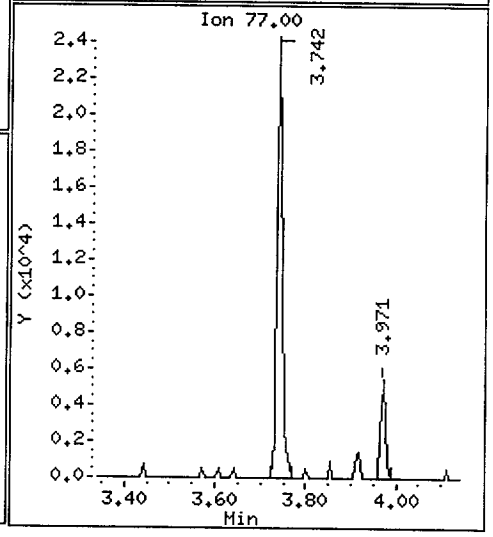


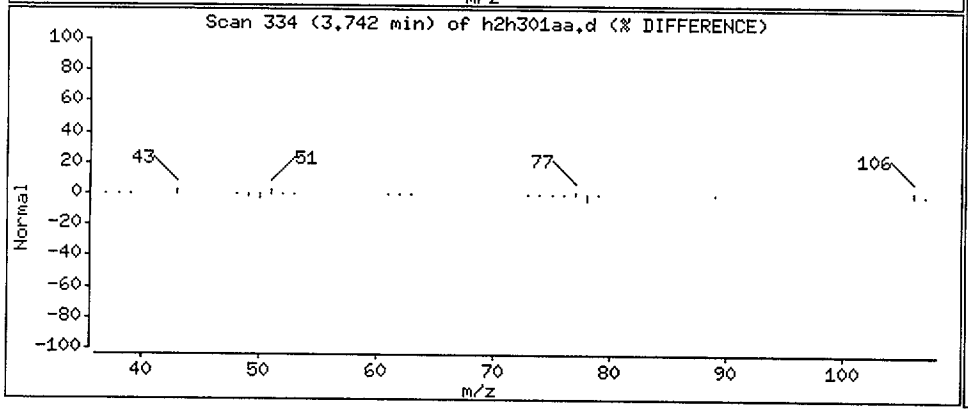












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0

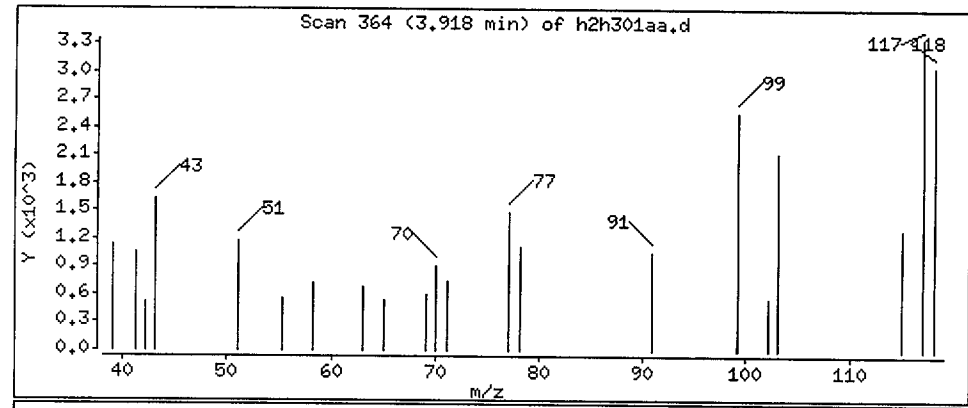
Operator: 60841

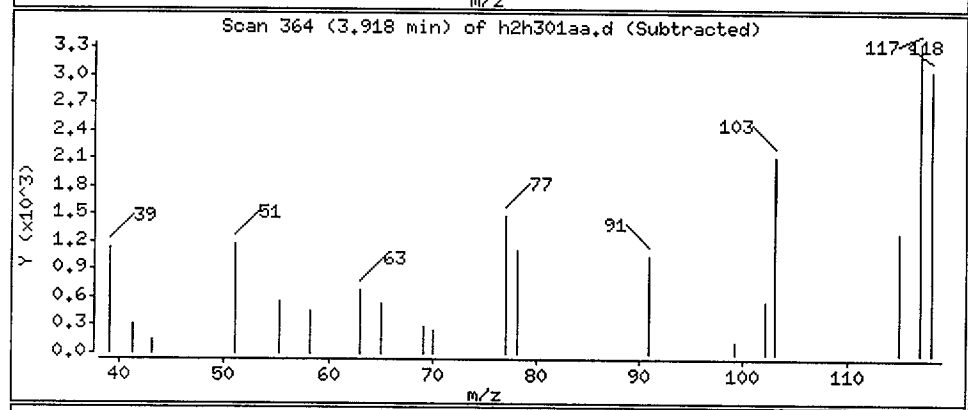
Column phase: ZB-5

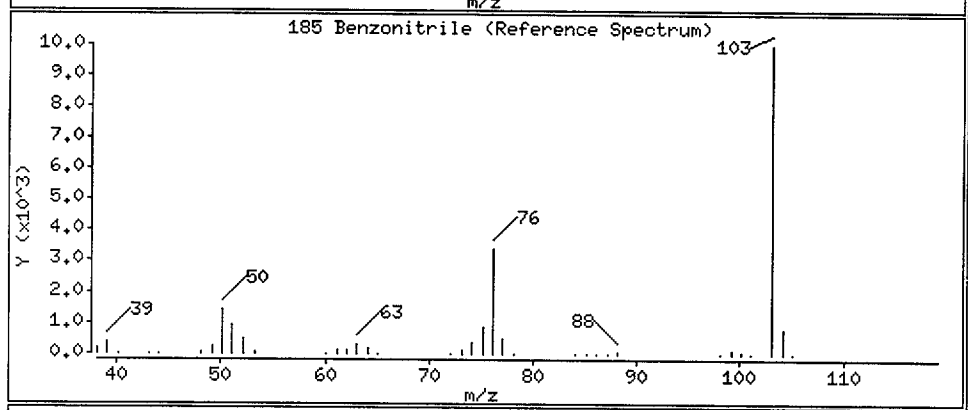
Column diameter: 0.25

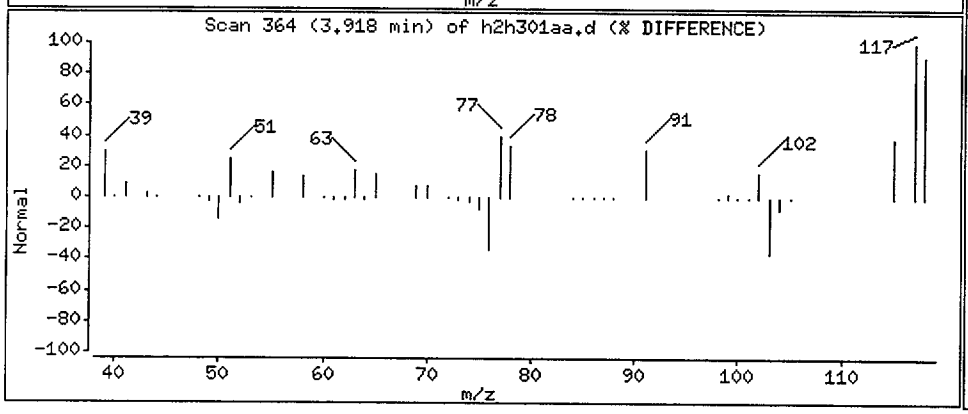
185 Benzonitrile

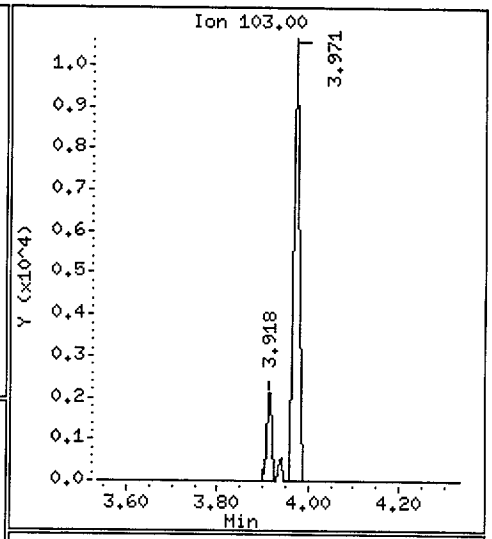
Concentration: 0.251 ug

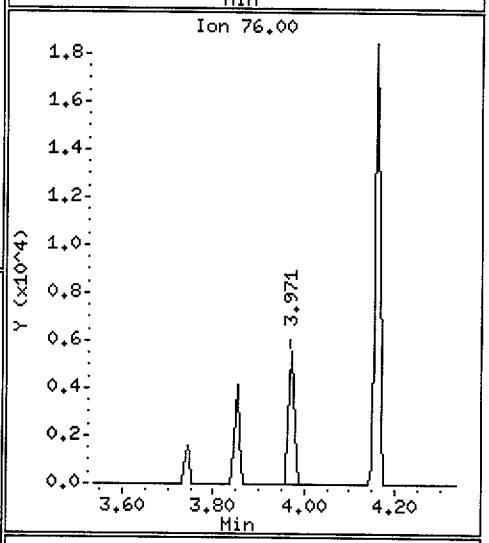


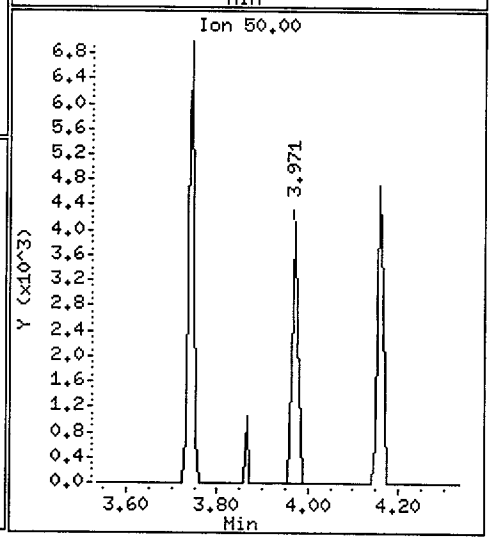












Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 11:34

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Lab Smp Id: H2H301AA Client Smp ID: G-3105/3106-R3-MM5
Inj Date : 28-APR-2006 13:24
Operator : 60841 Inst ID: md.i
Smp Info : H2H301AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:50 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	466046	20.000
* 2 Naphthalene-d8	5.751	456659	20.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
2-Hexanol				CAS #: 626-93-7			
2.149	1634327	70.1358664	70.1	83	NIST05.1	4309	1
Toluene				CAS #: 108-88-3			
2.232	1280765	54.9630294	55.0	95	NIST05.1	2400	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d
Report Date: 01-May-2006 11:34

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	======	==========	==========	====	=======	=========	======
Methane, dibromochloro-					CAS #: 124-48-1		
2.431	229939	9.86765255	9.87	99	NIST05.1	61862	1
Tetrachloroethylene					CAS #: 127-18-4		
2.543	479059	20.5584427	20.6	99	NIST05.1	32249	1
Cyclotrisiloxane, hexamethyl- Si					CAS #: 541-05-9		
2.578	126382	5.42358480	5.42	72	NIST05.1	73121	1
2-Pentanone, 4-hydroxy-4-methyl-					CAS #: 123-42-2		
2.778	14583820	625.853242	626	56	NIST05.1	7952	1
Benzene, chloro-					CAS #: 108-90-7		
2.825	6030028	258.773941	259	97	NIST05.1	6171	1
Methane, tribromo-					CAS #: 75-25-2		
3.136	314077	13.4783691	13.5	98	NIST05.1	92331	1
3-Chloro-6-fluoro-pyrazine S					CAS #: 1000146-10-7		
3.971	805384	34.5624252	34.6	27	NIST05.1	13697	1
1,2-Dichlorobenzene-D4 S					CAS #: 2199-69-1		
4.358	535548	22.9826240	23.0	94	NIST05.1	23149	1
Benzaldehyde, 3-ethyl-					CAS #: 34246-54-3		
5.534	164087	7.18641262	7.19	93	NIST05.1	14798	2

Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

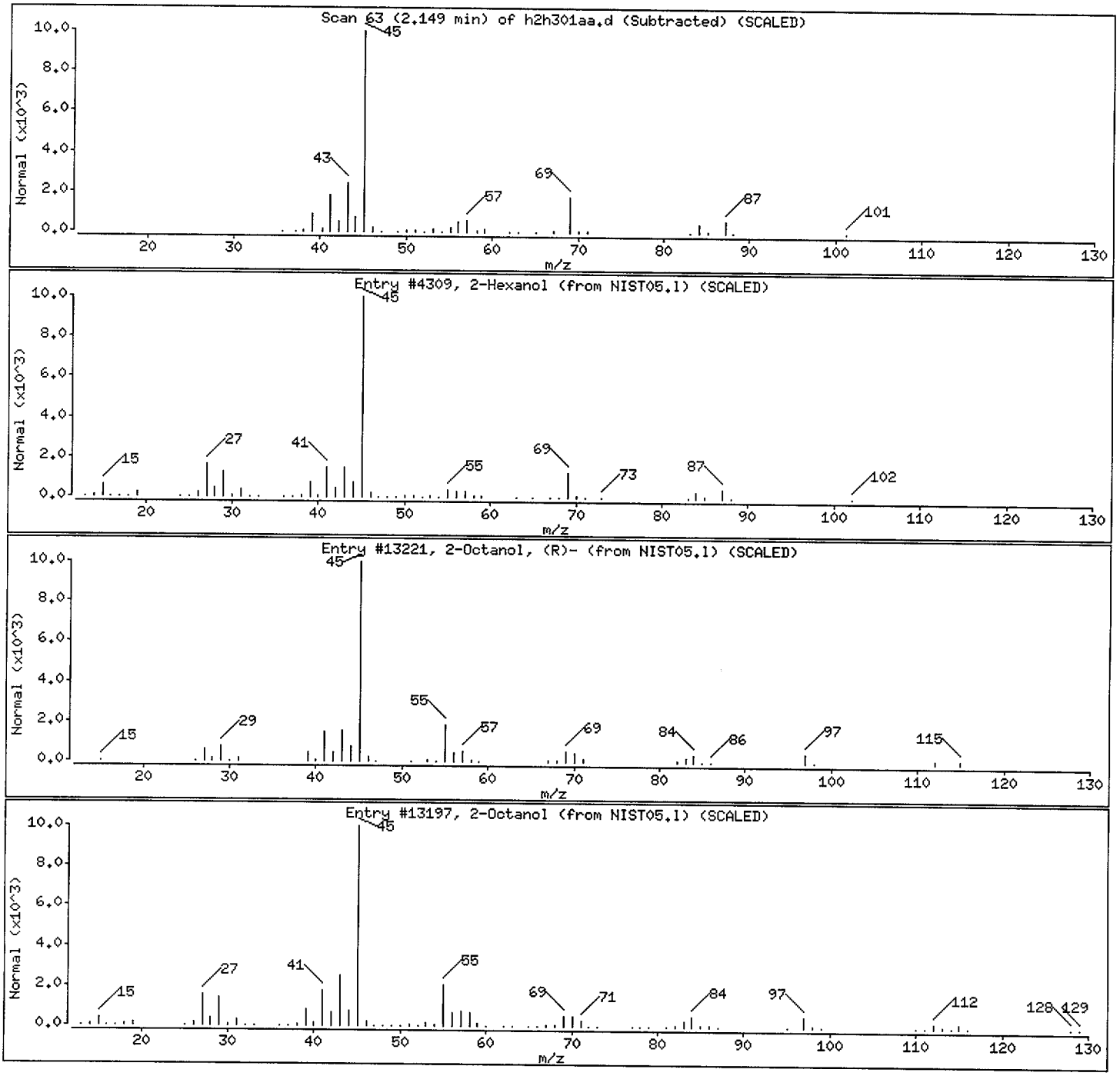
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Hexanol	626-93-7	NIST05.1	4309	83	C6H14O	102
2-Octanol, (R)-	5978-70-1	NIST05.1	13221	72	C8H18O	130
2-Octanol	123-96-6	NIST05.1	13197	64	C8H18O	130



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

Client ID: G-3105/3106-R3-MM5

Instrument: md.i

Sample Info: H2H301AA,,0,,,,

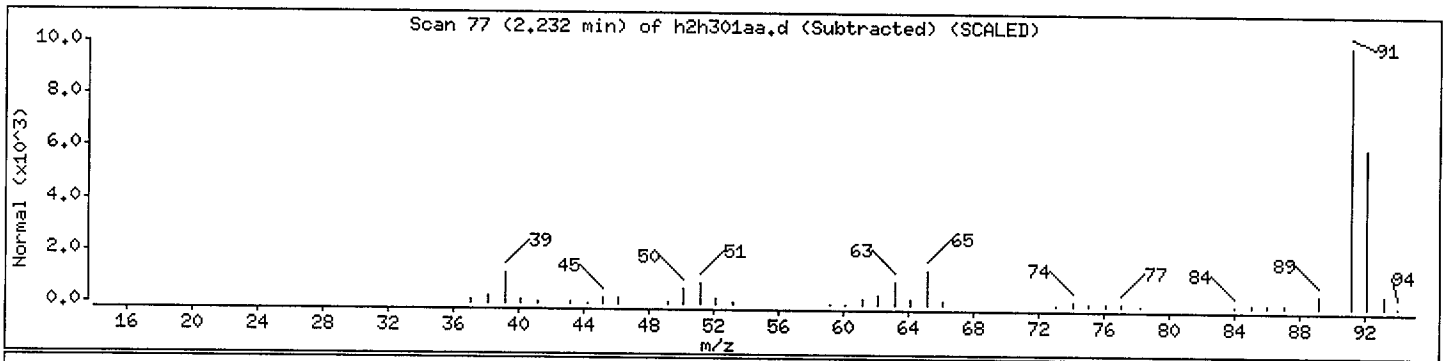
Volume Injected (uL): 1.0

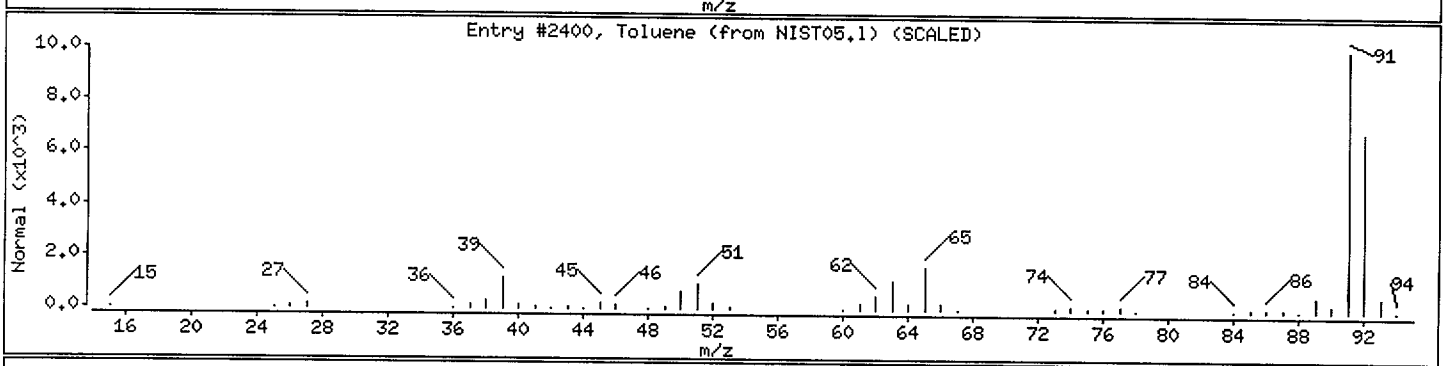
Operator: 60841

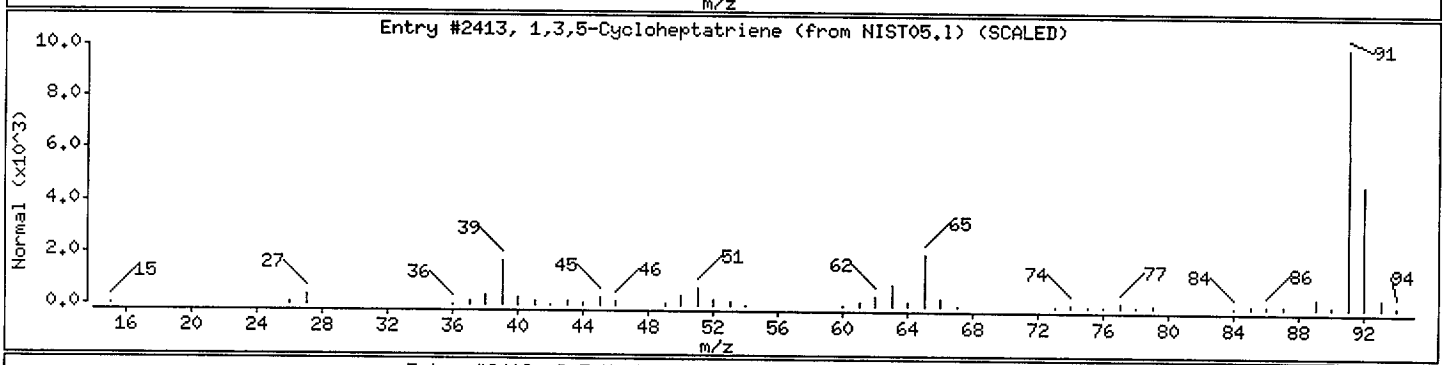
Column phase: ZB-5

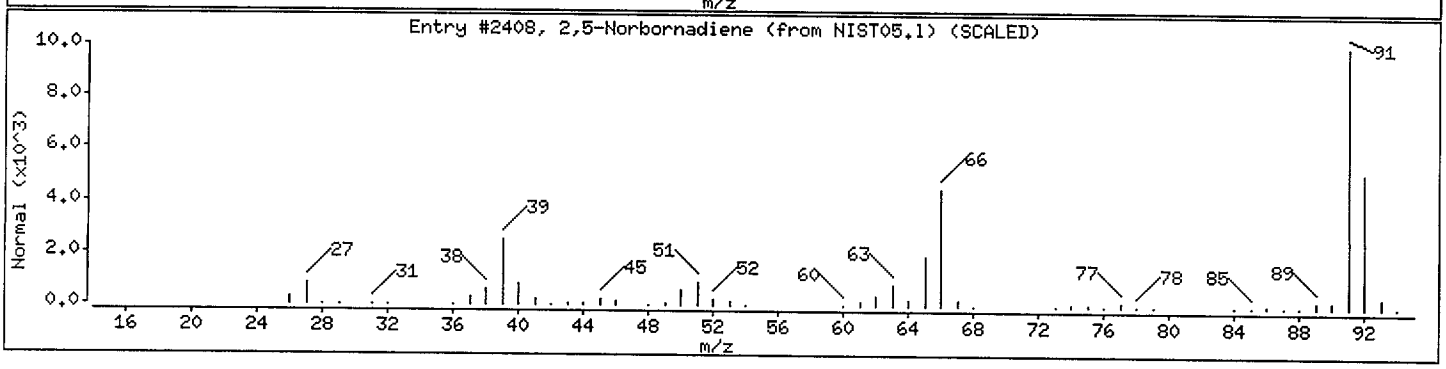
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NIST05.1	2400	95	C7H8	92
1,3,5-Cycloheptatriene	544-25-2	NIST05.1	2413	90	C7H8	92
2,5-Norbornadiene	121-46-0	NIST05.1	2408	83	C7H8	92









Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

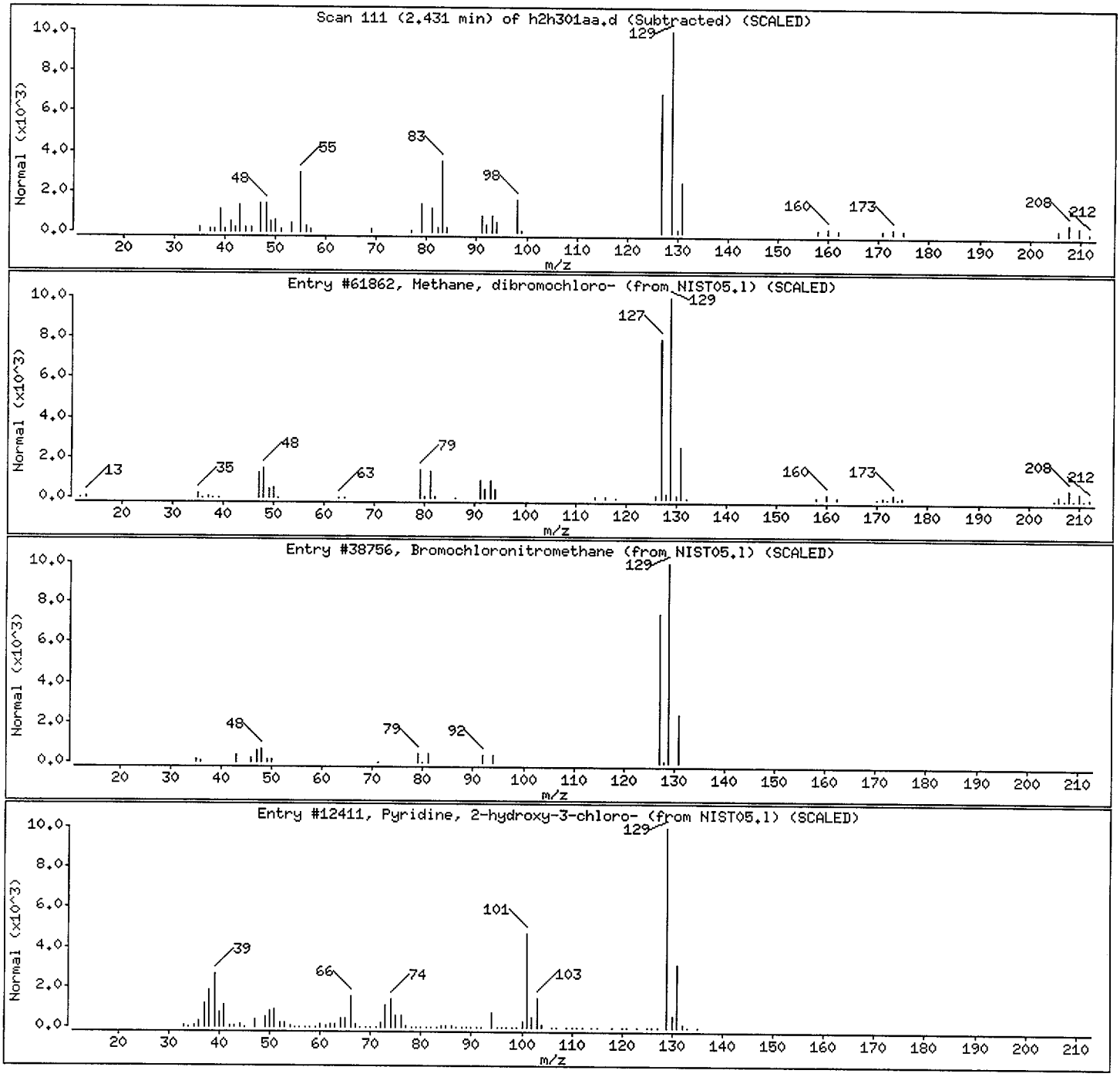
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dibromochloro-	124-48-1	NIST05.1	61862	99	CHBr2Cl	206
Bromochloronitromethane	135531-25-8	NIST05.1	38756	59	CHBrClNO2	173
Pyridine, 2-hydroxy-3-chloro-	13466-35-8	NIST05.1	12411	23	C5H4ClNO	129



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

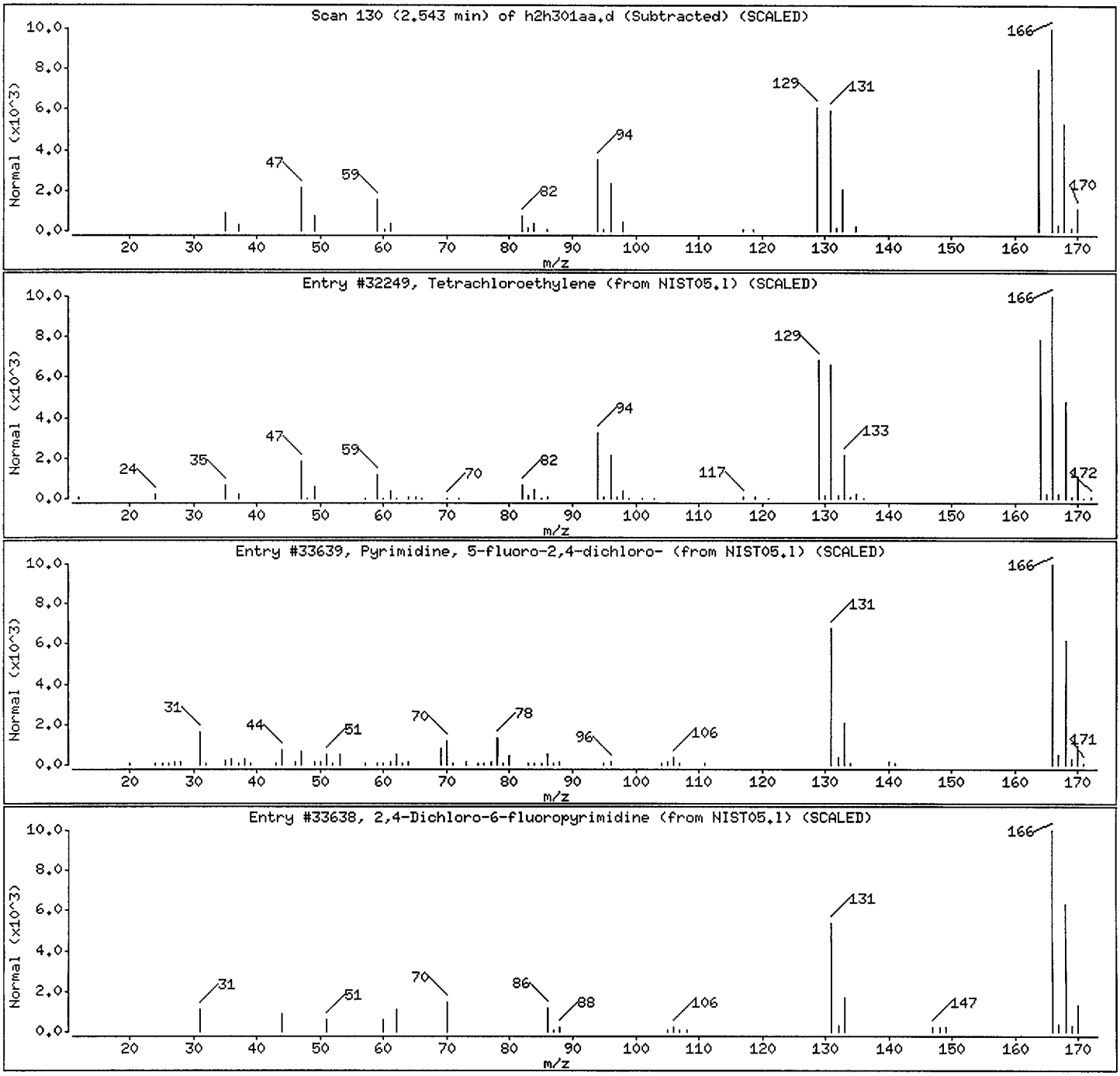
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrachloroethylene	127-18-4	NIST05.1	32249	99	C2Cl4	164
Pyrimidine, 5-fluoro-2,4-dichloro-	2927-71-1	NIST05.1	33639	38	C4HCl2FN2	166
2,4-Dichloro-6-fluoropyrimidine	3833-57-6	NIST05.1	33638	38	C4HCl2FN2	166



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

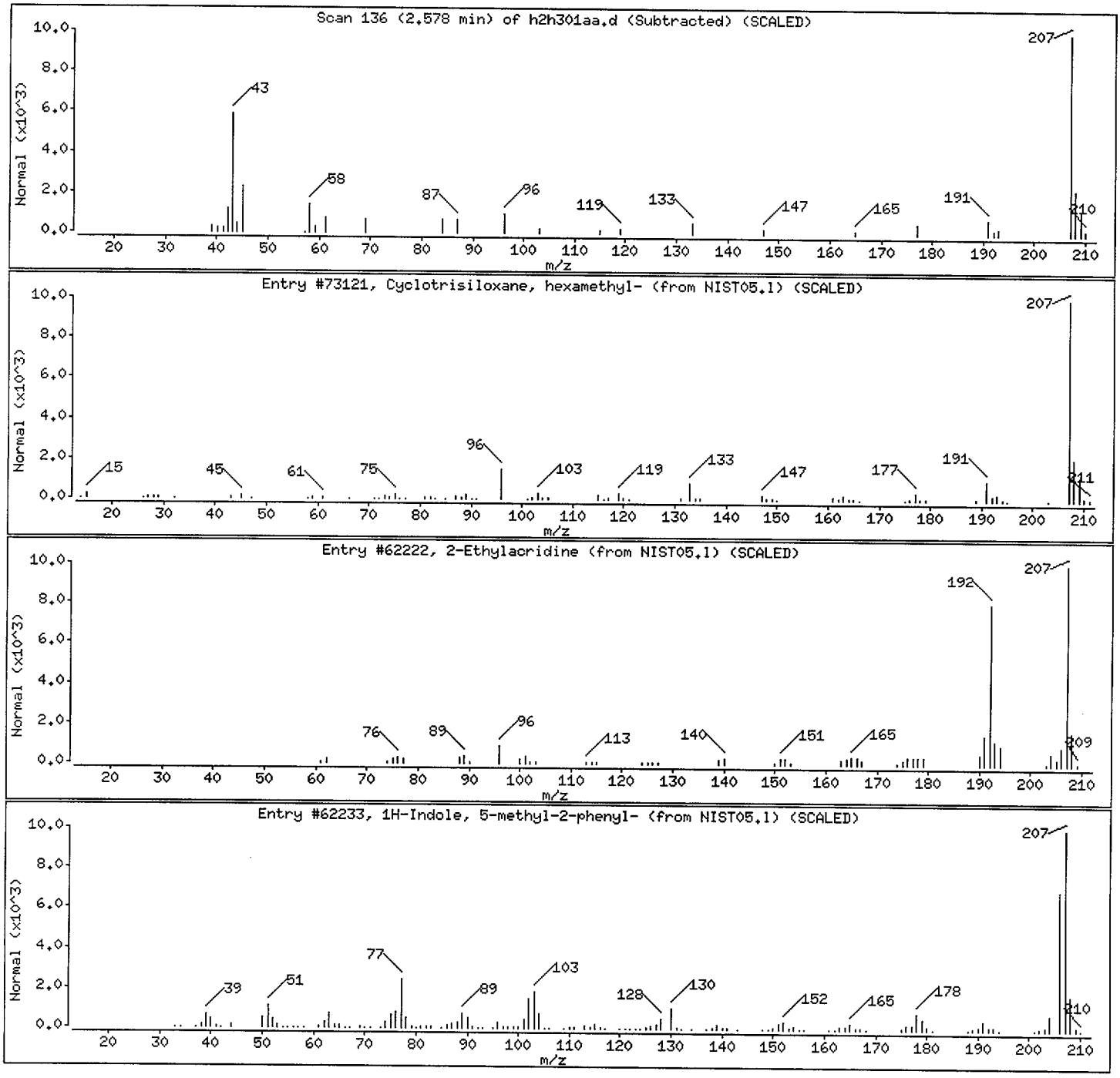
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	72	C6H18O3Si3	222
2-Ethylacridine	55751-83-2	NIST05.1	62222	45	C15H13N	207
1H-Indole, 5-methyl-2-phenyl-	13228-36-9	NIST05.1	62233	40	C15H13N	207



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

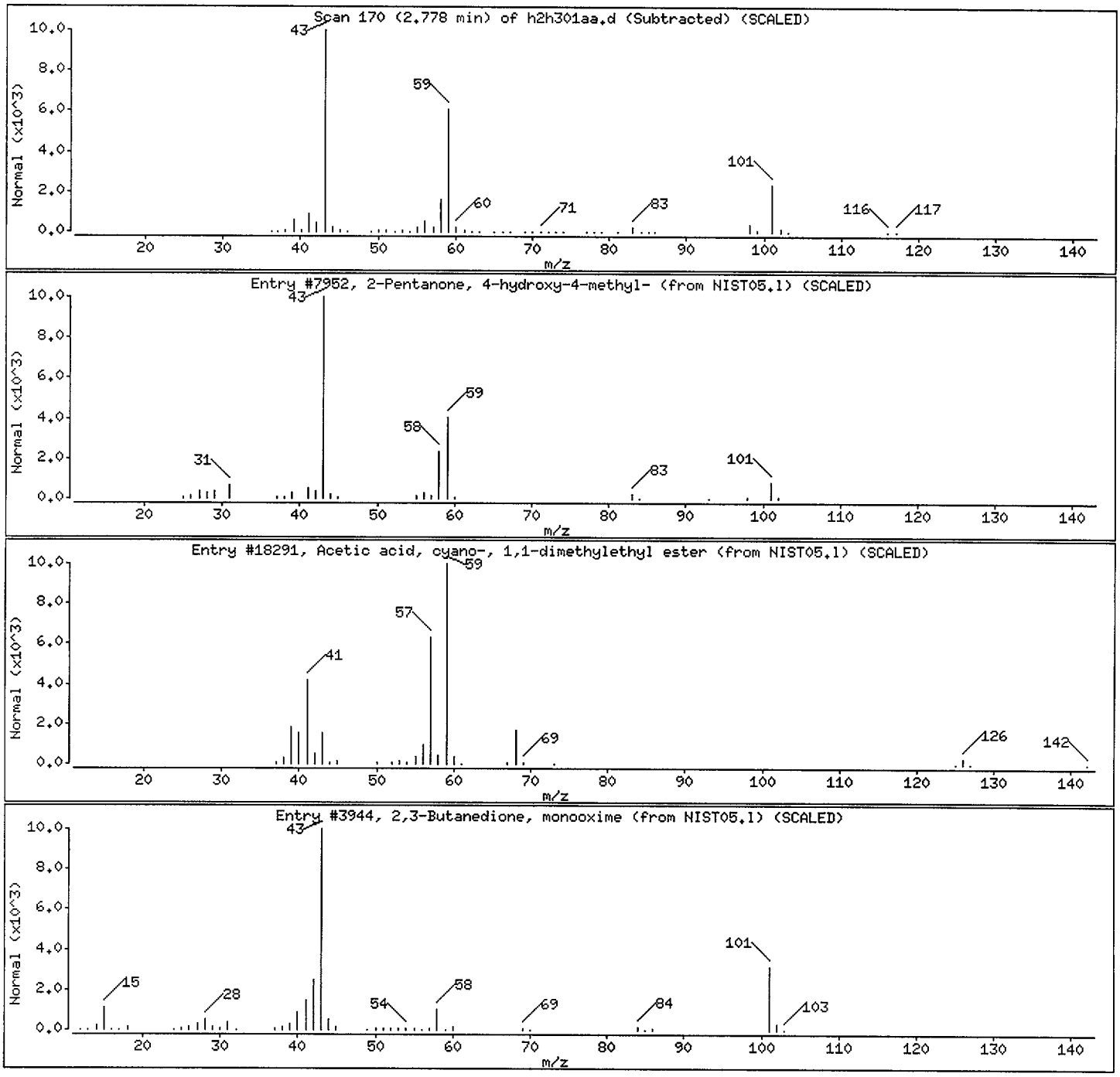
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.l	7952	56	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NIST05.l	18291	17	C7H11NO2	141
2,3-Butanedione, monooxime	57-71-6	NIST05.l	3944	17	C4H7NO2	101



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

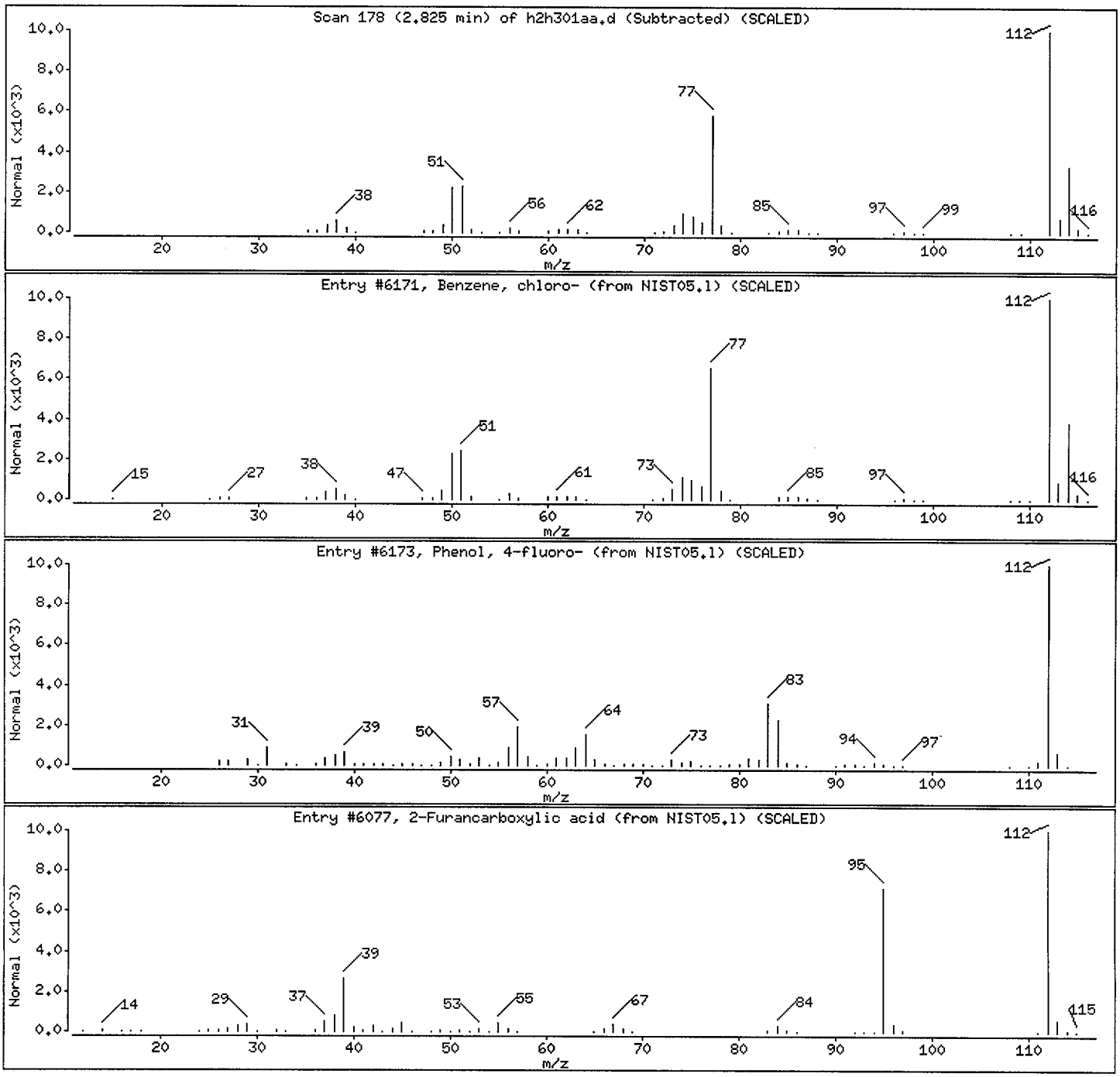
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, chloro-	108-90-7	NIST05.1	6171	97	C6H5Cl	112
Phenol, 4-fluoro-	371-41-5	NIST05.1	6173	16	C6H5FO	112
2-Furancarboxylic acid	88-14-2	NIST05.1	6077	9	C5H4O3	112



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

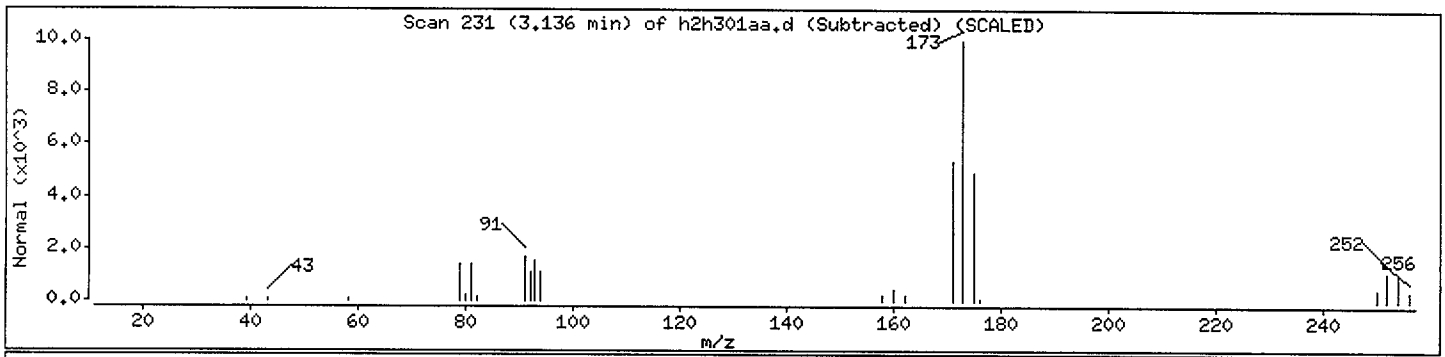
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

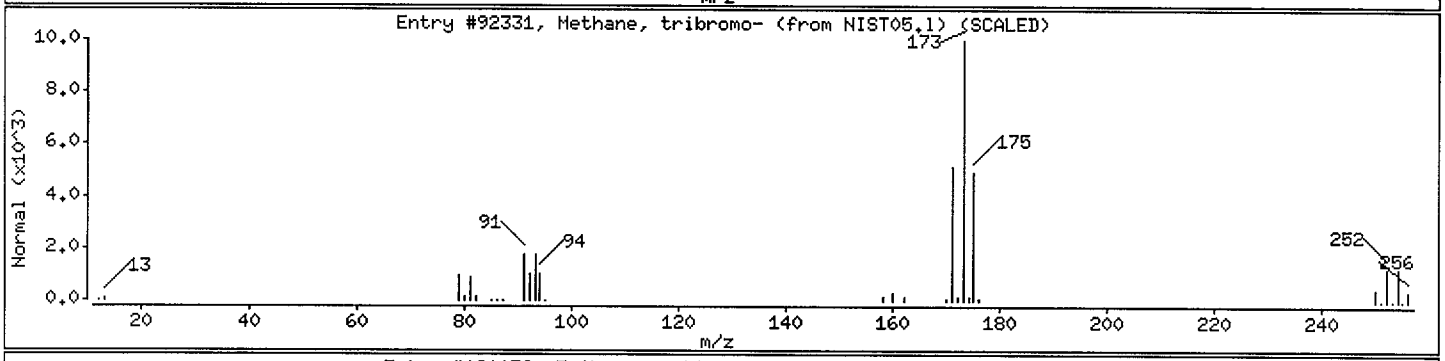
Sample Info: H2H301AA,,0,,,,

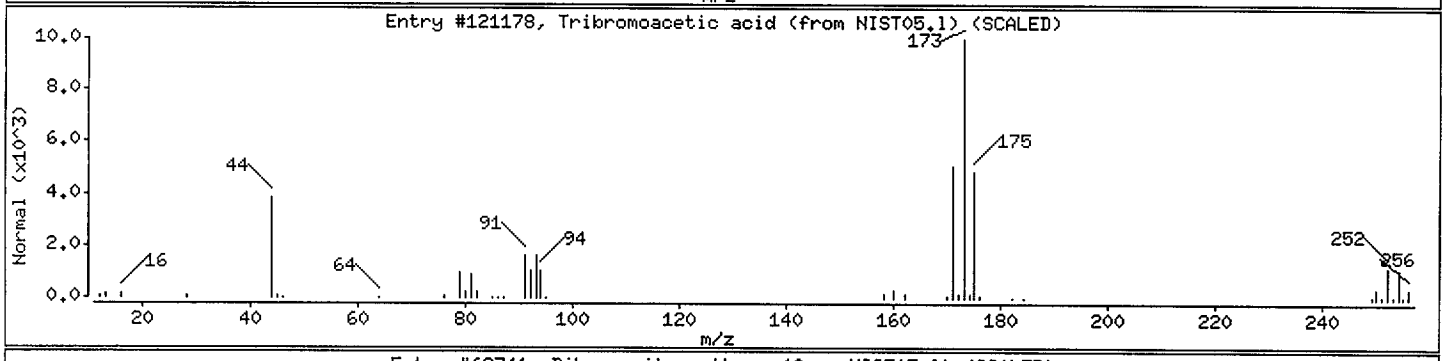
Volume Injected (uL): 1.0 Operator: 60841

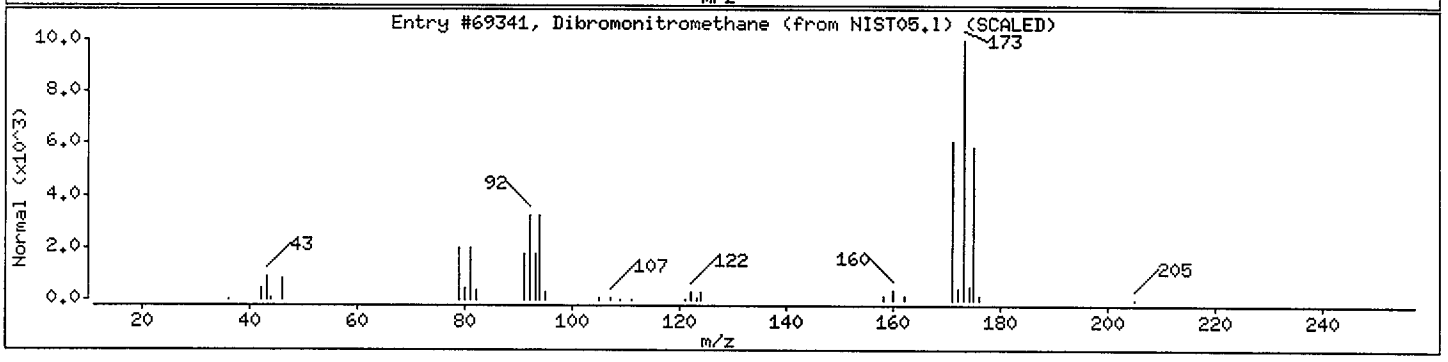
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, tribromo-	75-25-2	NIST05.1	92331	98	CHBr3	250
Tribromoacetic acid	75-96-7	NIST05.1	121178	91	C2HBr3O2	294
Dibromonitromethane	598-91-4	NIST05.1	69341	37	CHBr2NO2	217









Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

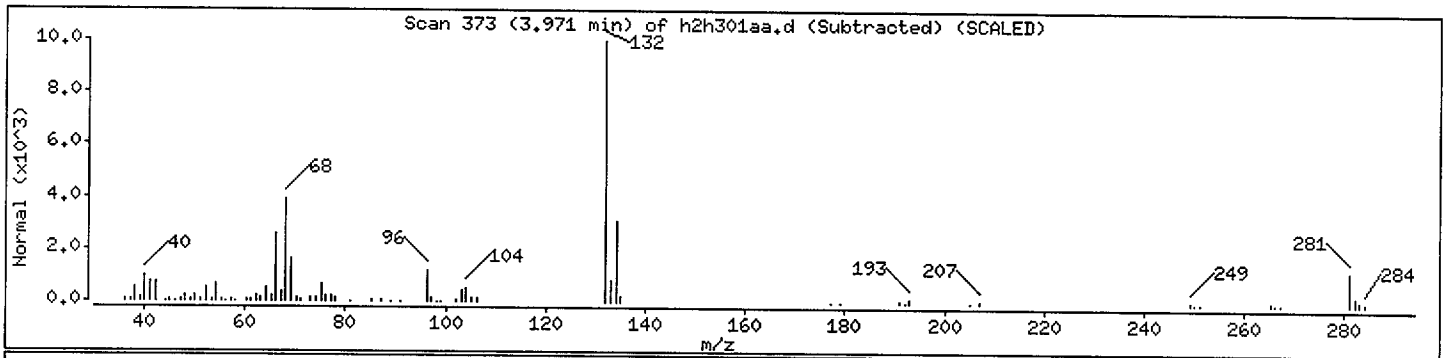
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

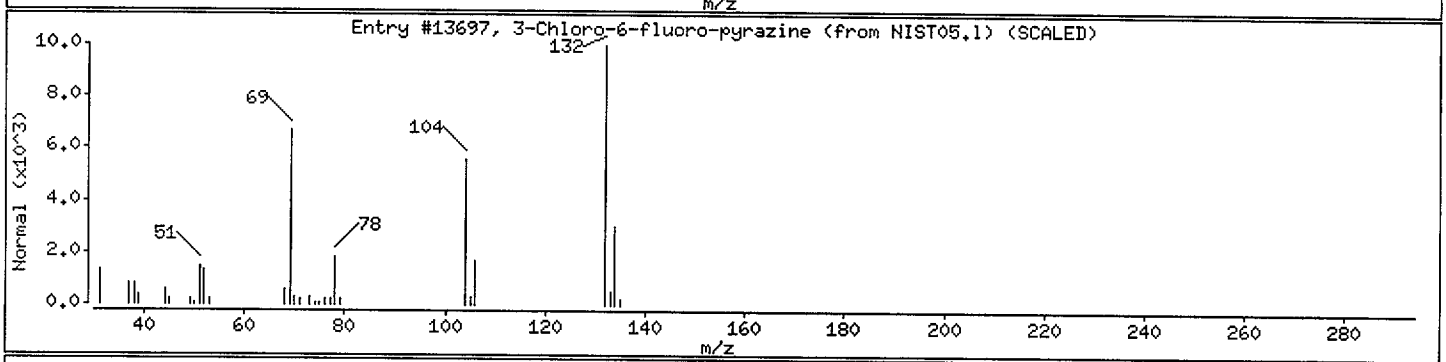
Sample Info: H2H301AA,,0,,,,

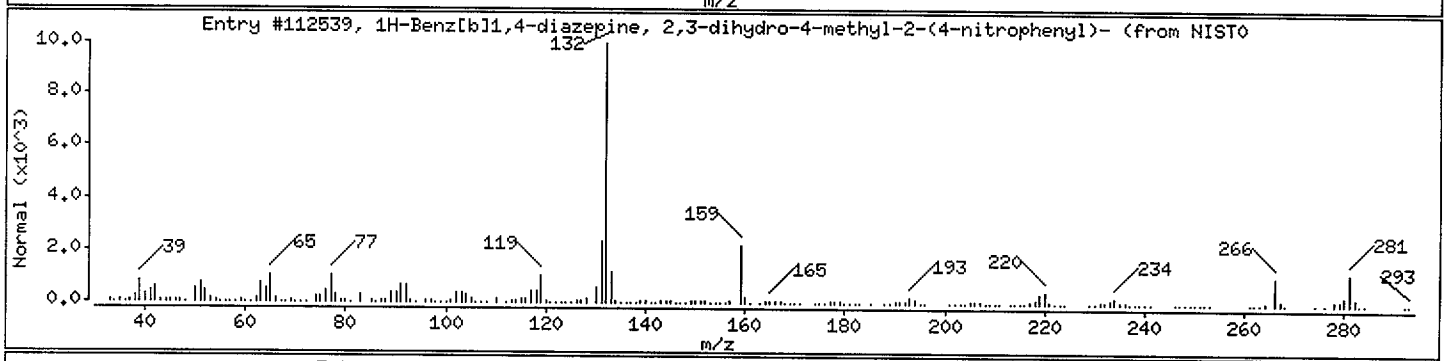
Volume Injected (uL): 1.0 Operator: 60841

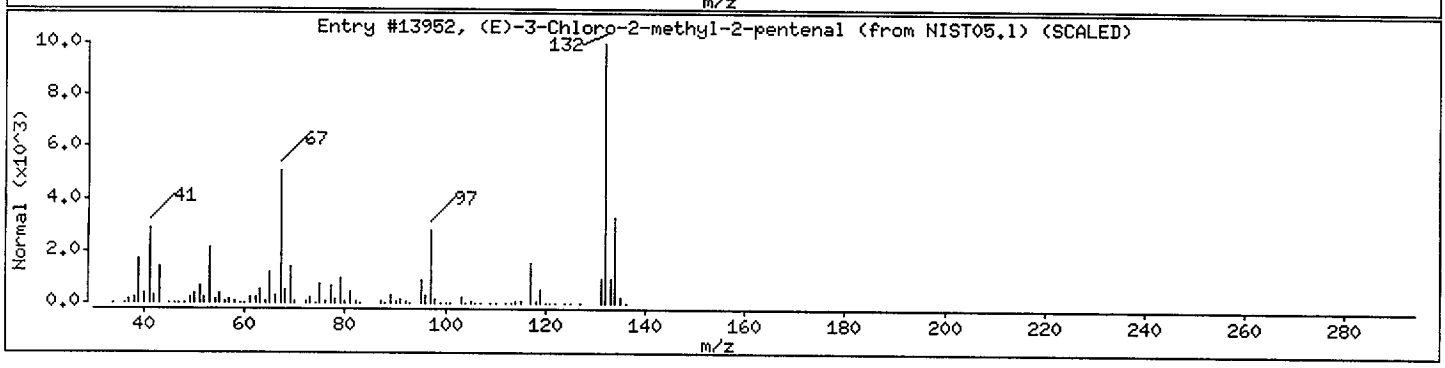
Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	27	C4H2ClFN2	132
1H-Benz[b]1,4-diazepine, 2,3-dihydro-4-m	95456-82-9	NIST05.1	112539	22	C16H15N3O2	281
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	16	C6H9ClO	132









Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

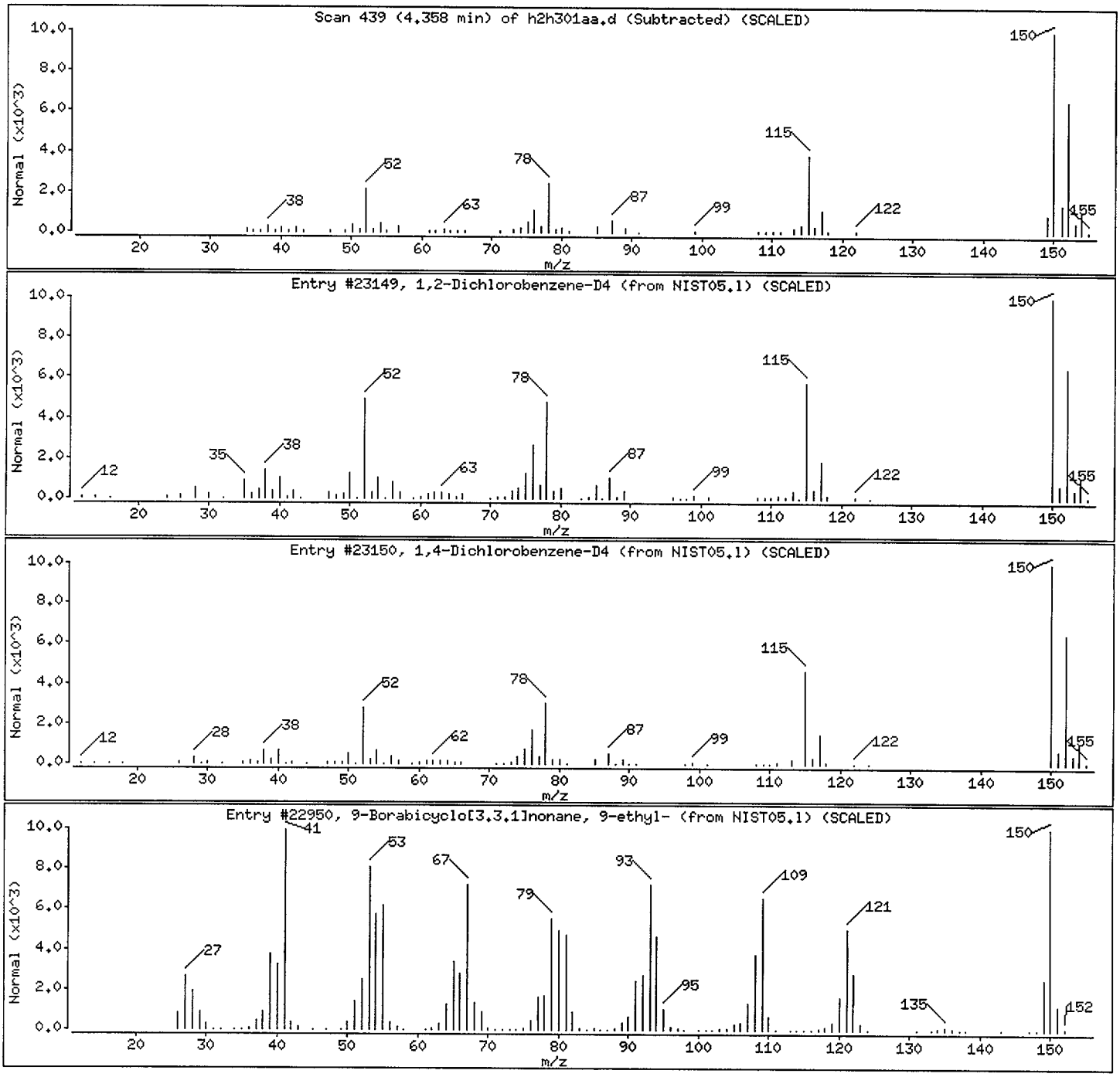
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.l	23149	94	C6D4Cl2	150
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.l	23150	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.l	22950	43	C10H19B	150



Data File: /var/chem/gcms/md.i/D042806.b/h2h301aa.d

Date : 28-APR-2006 13:24

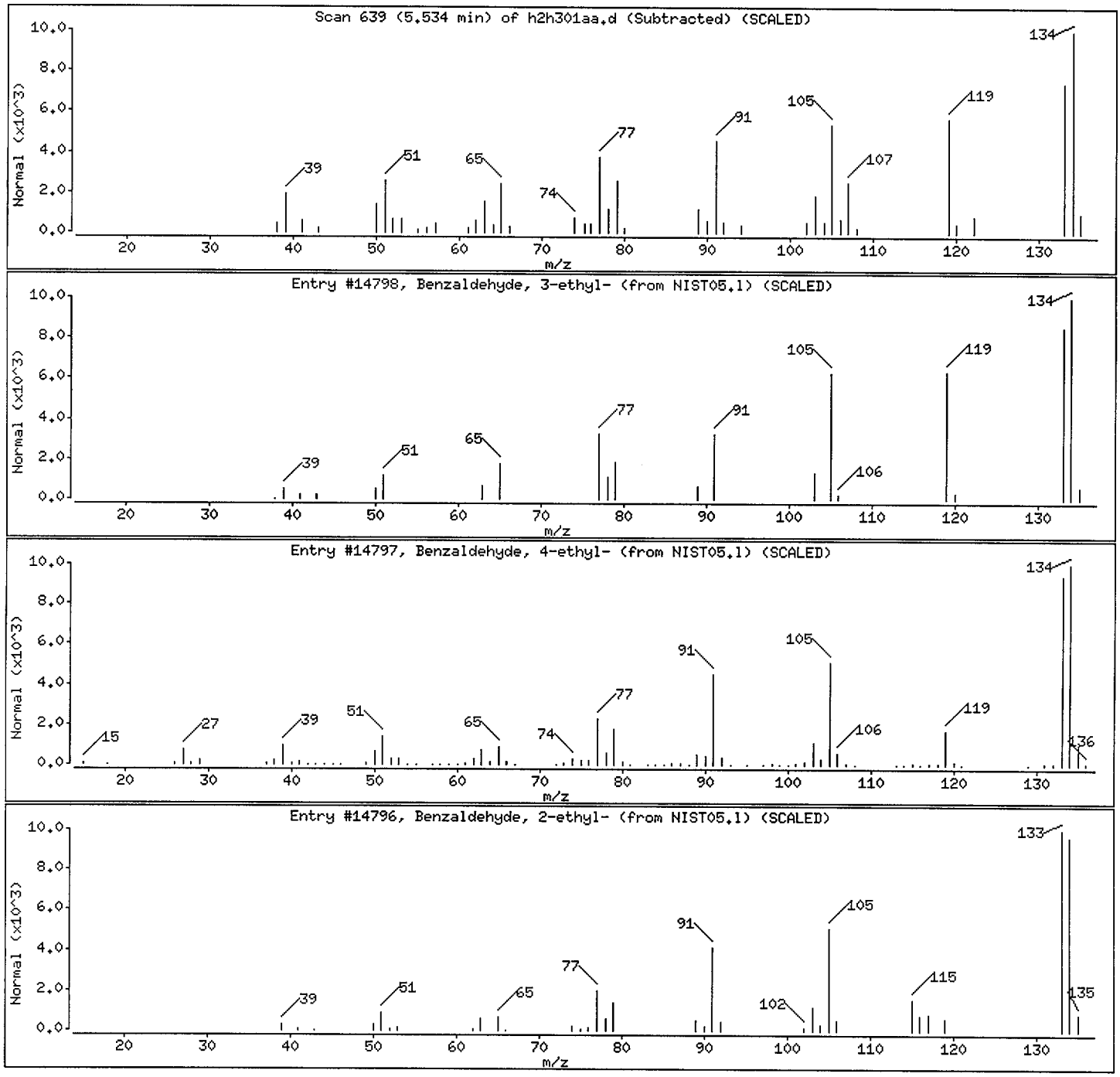
Client ID: G-3105/3106-R3-MM5 Instrument: md.i

Sample Info: H2H301AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzaldehyde, 3-ethyl-	34246-54-3	NIST05.1	14798	93	C9H10O	134
Benzaldehyde, 4-ethyl-	4748-78-1	NIST05.1	14797	89	C9H10O	134
Benzaldehyde, 2-ethyl-	22927-13-5	NIST05.1	14796	76	C9H10O	134



STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	39	(19 - 100)
Phenol-d5	38	(15 - 124)
Nitrobenzene-d5	46	(35 - 122)
2-Fluorobiphenyl	55	(34 - 115)
2,4,6-Tribromophenol	50	(33 - 130)
Terphenyl-d14	63	(28 - 132)

NOTE(S):

J Estimated result. Result is less than RL.

STL Knoxville - ACS

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

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Report Date: 03-May-2006 10:00

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Lab Smp Id: H2H311AA Client Smp ID: G-3107/3108-R3-MM5
Inj Date : 28-APR-2006 19:38
Operator : 60841 Inst ID: md.i
Smp Info : H2H311AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 09:58 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.42800	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05/05/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	70316	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	239906	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	165602	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	300871	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	303316	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	286817	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	144210	29.3268	68.5
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	167145	28.1788	65.8
$ 9 Nitrobenzene-d5	82	4.805	4.811	(0.836)	124618	23.0438	53.8(R)
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	302823	27.7379	64.8(R)
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	71430	37.4413	87.5
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	461516	31.2831	73.1(R)
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	3464	1.03476	~~2.42~~

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Report Date: 03-May-2006 10:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	75422	6.82648	15.9
184 Benzaldehyde	105	3.971	3.742	(0.955)	3275	1.02003	~~2.38~~
185 Benzonitrile	103	3.971	3.935	(0.955)	7567	1.05229	~~2.46~~

KRM 5/3/06

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Report Date: 03-May-2006 10:00

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h311aa.d
Lab Smp Id: H2H311AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: G-3107/3108-R3-MM5
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	70316	14.31
2 Naphthalene-d8	201763	100882	403526	239906	18.90
3 Acenaphthene-d10	143273	71636	286546	165602	15.58
4 Phenanthrene-d10	247023	123512	494046	300871	21.80
5 Chrysene-d12	265356	132678	530712	303316	14.31
6 Perylene-d12	233795	116898	467590	286817	22.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Report Date: 03-May-2006 17:05

STL Knoxville

RECOVERY REPORT

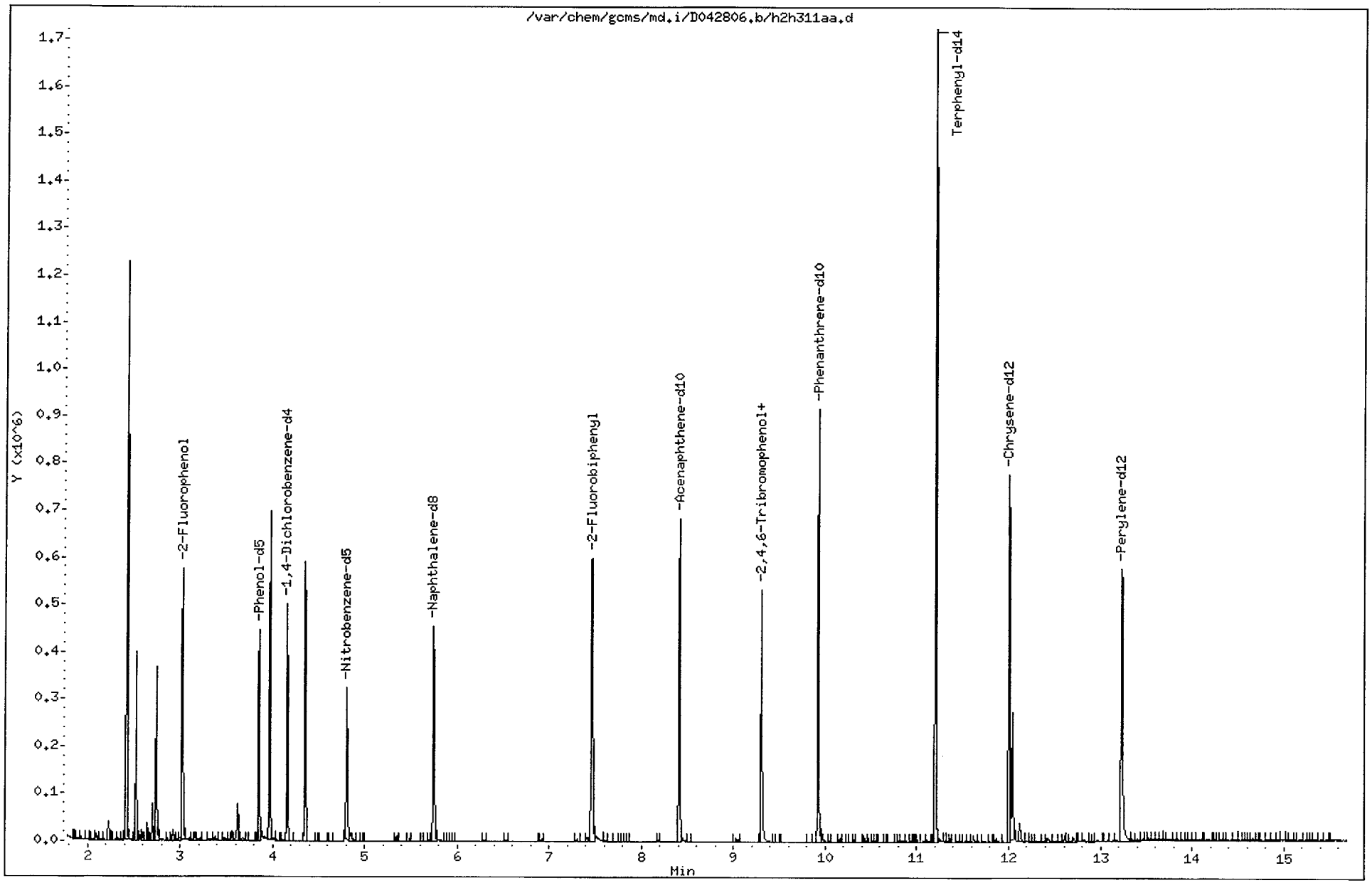
Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H311AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Client SDG: H6D030245
Fraction: SV
Client Smp ID: G-3107/3108-R3-MM5
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ng/uL	AMOUNT RECOVERED ng/uL	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	29.3	39.10	19-100
$ 8 Phenol-d5	75.0	28.2	37.57	15-124
$ 9 Nitrobenzene-d5	50.0	23.0	46.09	42-104
$ 10 2-Fluorobiphenyl	50.0	27.7	55.48	51-103
$ 11 2,4,6-Tribromophen	75.0	37.4	49.92	33-130
$ 12 Terphenyl-d14	50.0	31.3	62.57	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Date : 28-APR-2006 19:38
Client ID: G-3107/3108-R3-MM5
Sample Info: H2H311AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

Client ID: G-3107/3108-R3-MM5

Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0

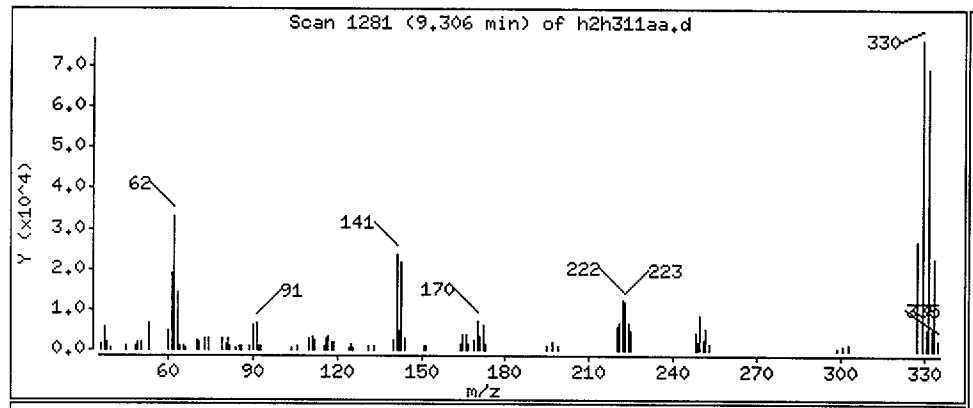
Operator: 60841

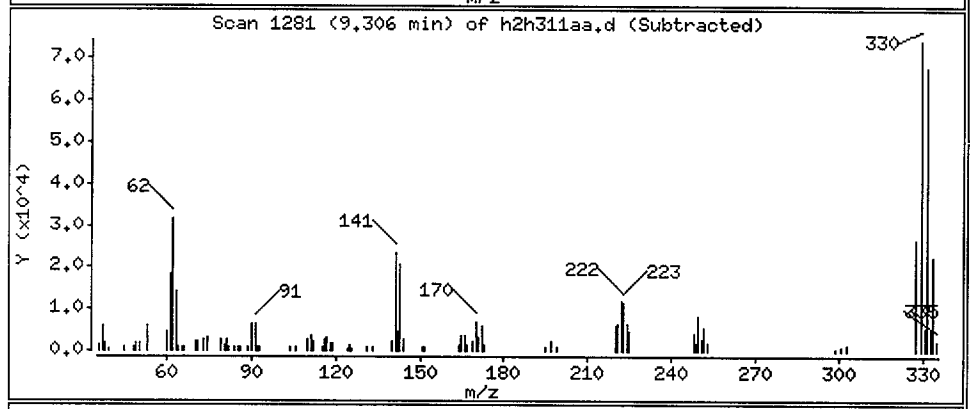
Column phase: ZB-5

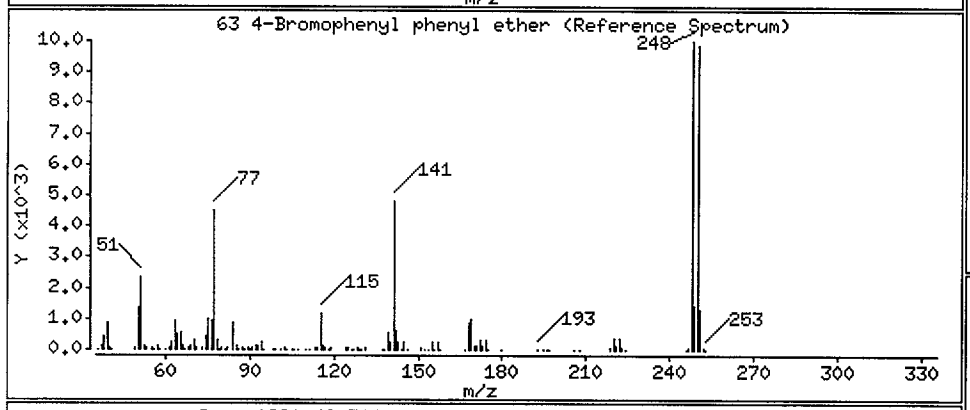
Column diameter: 0.25

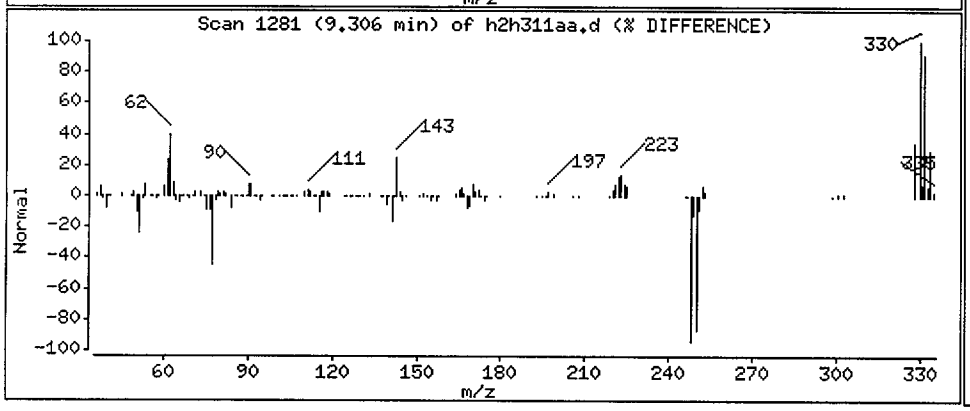
63 4-Bromophenyl phenyl ether

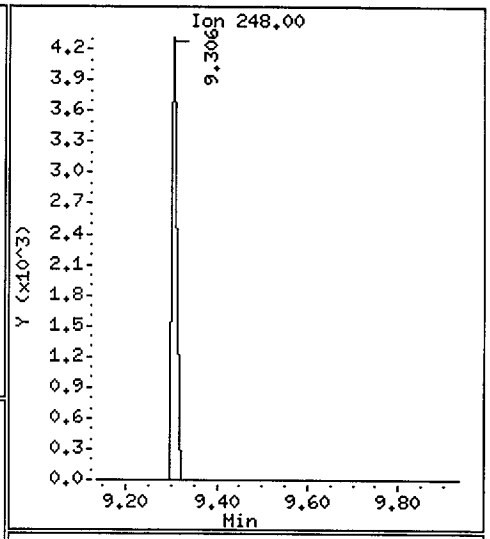
Concentration: 2.42 ug

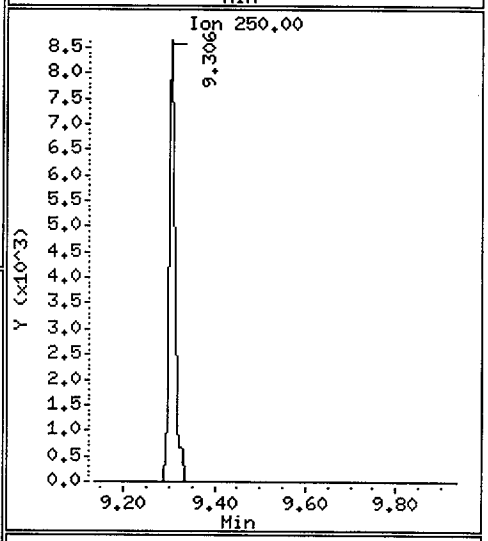


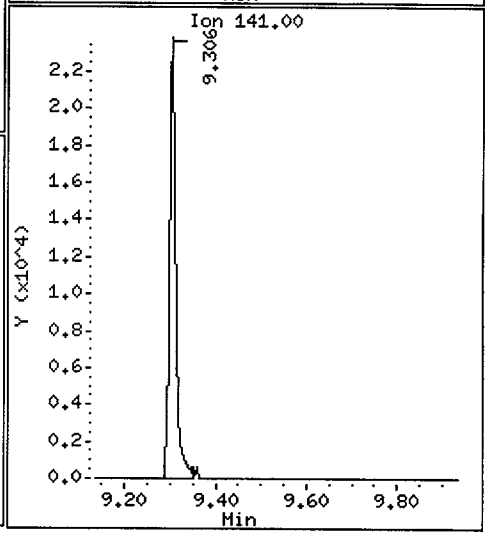












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

Client ID: G-3107/3108-R3-MM5

Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0

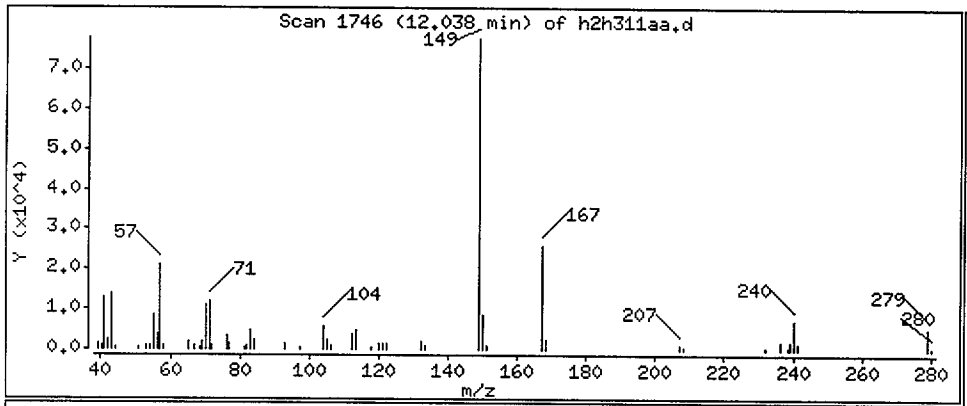
Operator: 60841

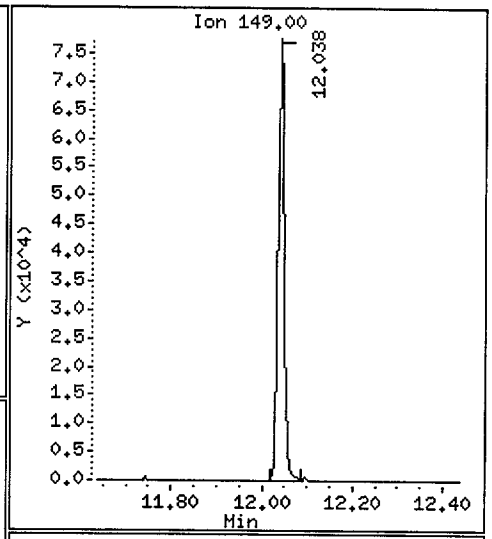
Column phase: ZB-5

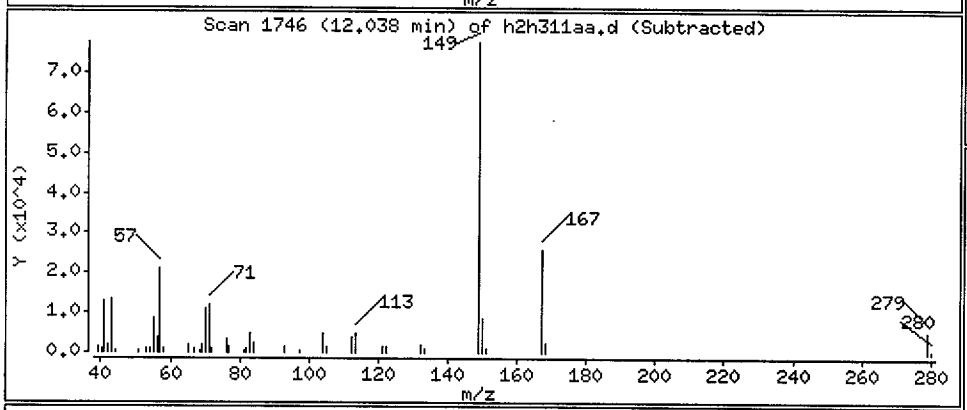
Column diameter: 0.25

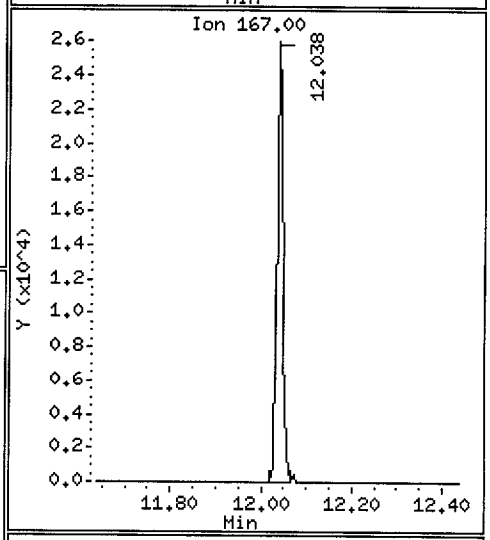
76 Bis(2-ethylhexyl) phthalate

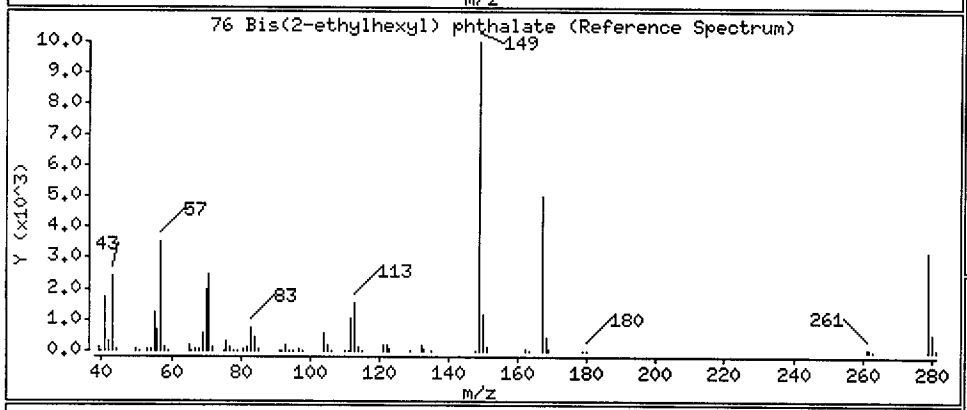
Concentration: 15.9 ug

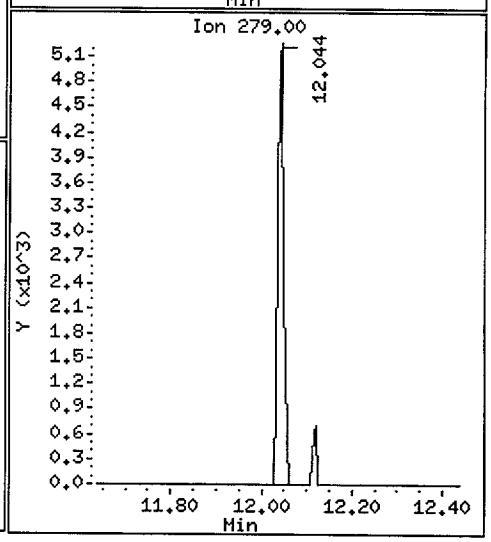


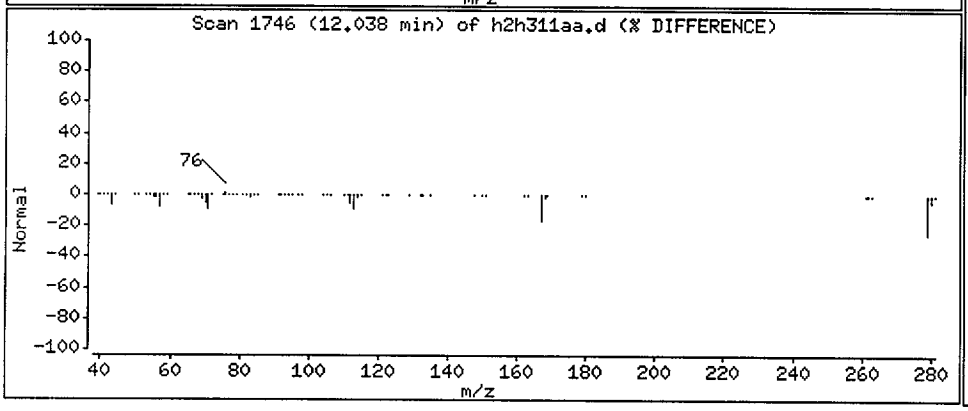












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

Client ID: G-3107/3108-R3-MM5

Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0

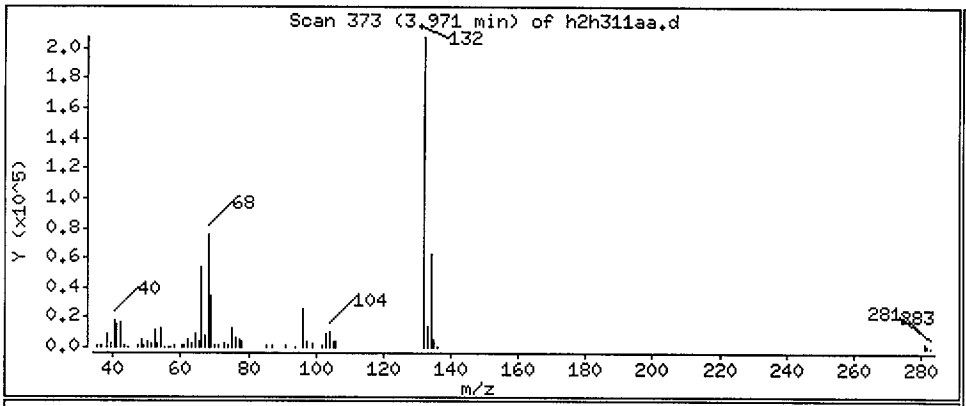
Operator: 60841

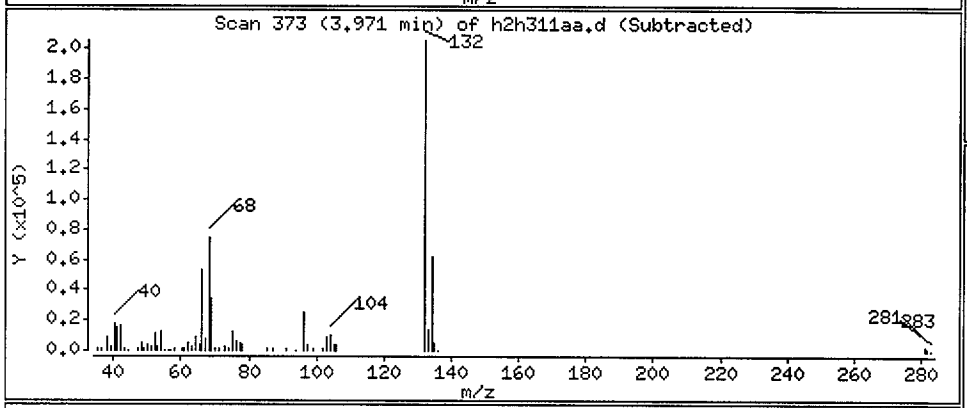
Column phase: ZB-5

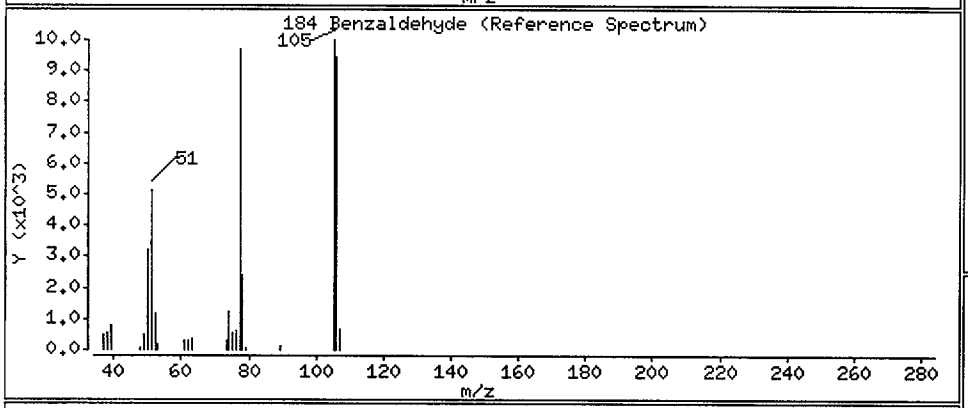
Column diameter: 0.25

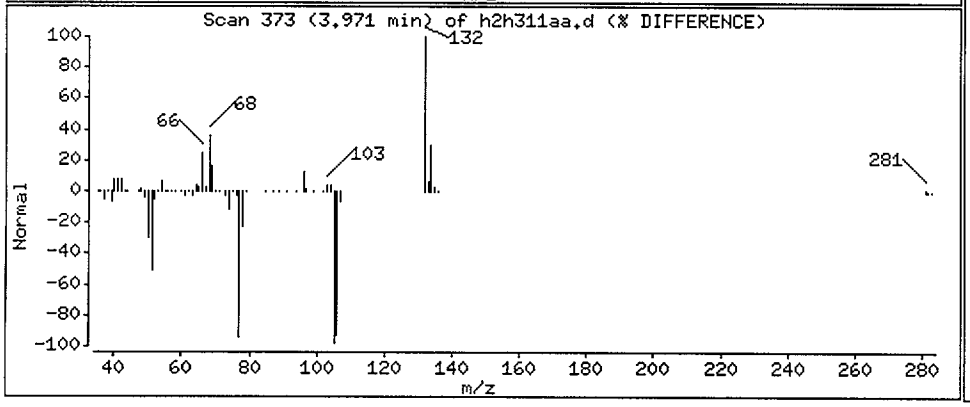
184 Benzaldehyde

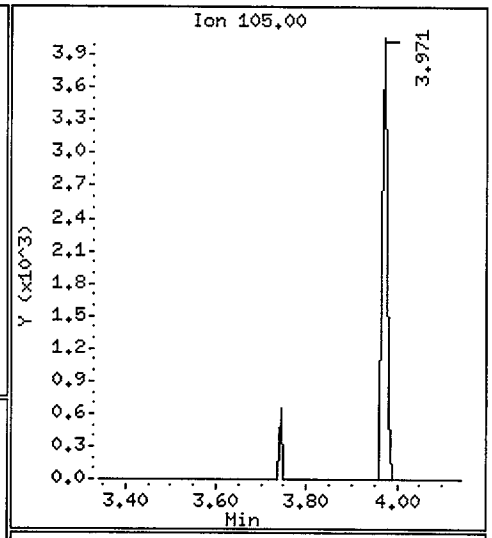
Concentration: 2.38 ug

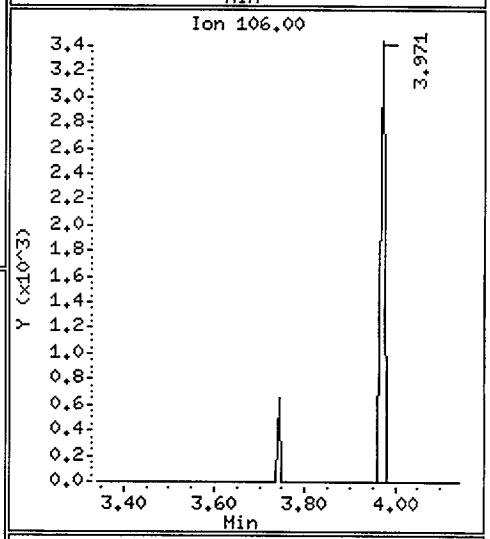


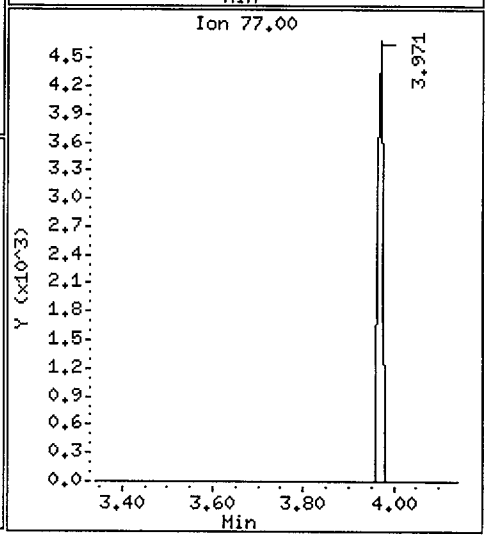












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

Client ID: G-3107/3108-R3-MM5

Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0

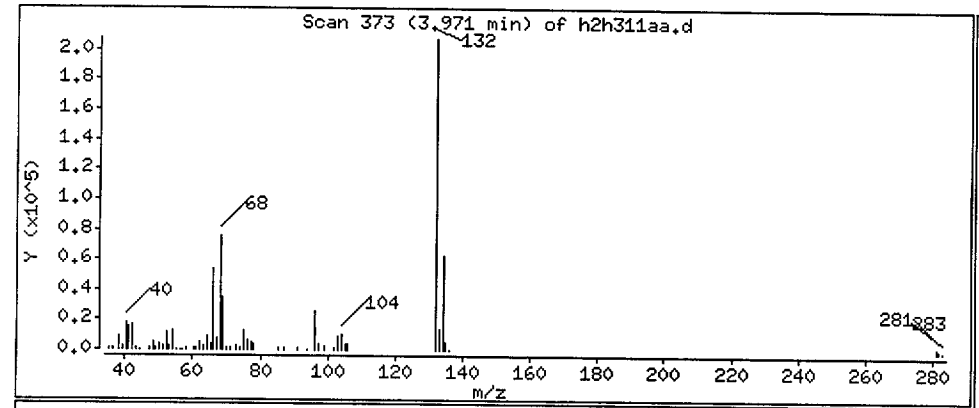
Operator: 60841

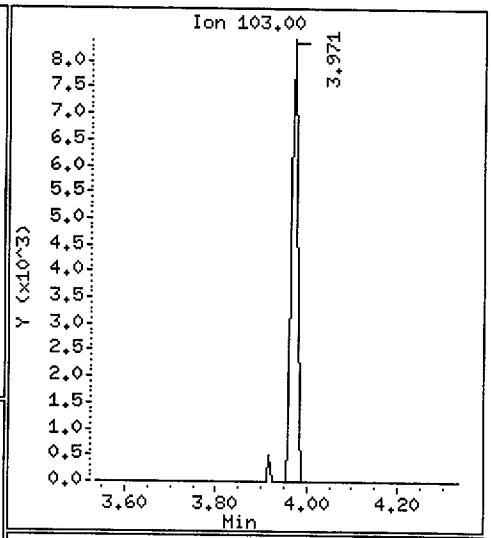
Column phase: ZB-5

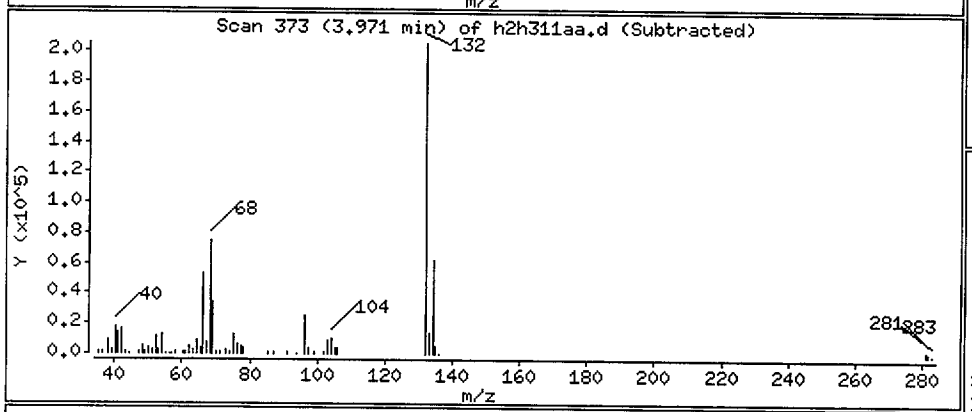
Column diameter: 0.25

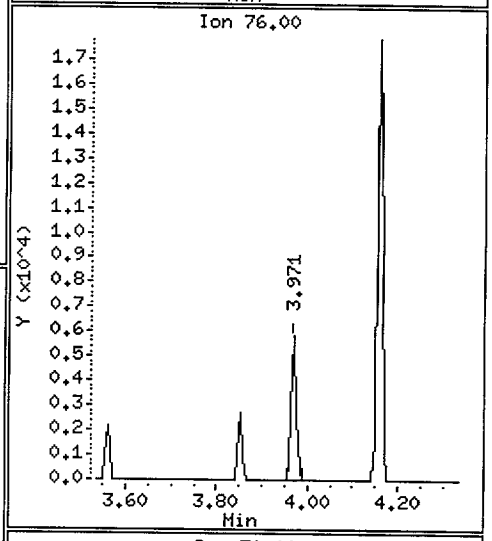
185 Benzonitrile

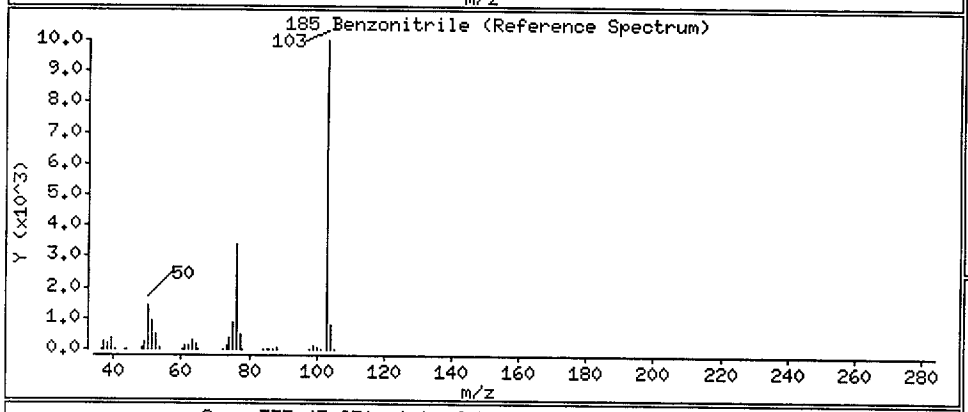
Concentration: 2.46 ug

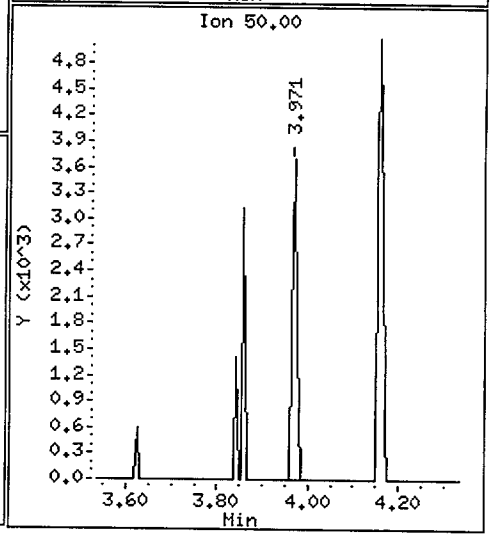


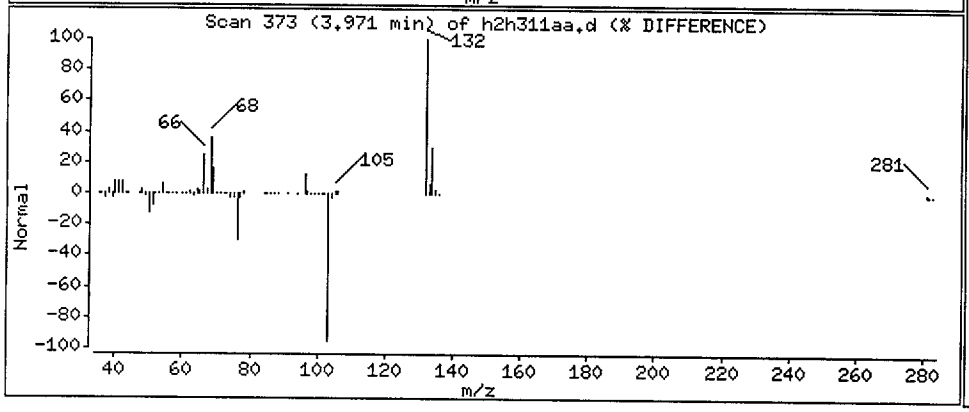












Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Report Date: 03-May-2006 10:30

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Lab Smp Id: H2H311AA Client Smp ID: G-3107/3108-R3-MM5
Inj Date : 28-APR-2006 19:38
Operator : 60841 Inst ID: md.i
Smp Info : H2H311AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 10:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	0.42800	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	498860	20.000

	CONCENTRATIONS				QUANT			
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #	
3-Penten-2-one, 4-methyl-					CAS #: 141-79-7			
2.426	1225936	49.1495009	115	95	NIST05.1	3178	1	
Malonic acid diisopropyl ester					CAS #: 13195-64-7			
2.525	398999	15.9964319	37.4	50	NIST05.1	49041	1	

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d
Report Date: 03-May-2006 10:30

RT	HEIGHT	CONCENTRATIONS ON-COL(ng/uL)	FINAL(ug)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
2-Pentanone, 4-hydroxy-4-methyl-				CAS #: 123-42-2			
2.743	365352	14.6474762	34.2	45	NIST05.1	7951	1
3-Chloro-6-fluoro-pyrazine				CAS #: 1000146-10-7			
3.971	692468	27.7620174	64.9	35	NIST05.1	13697	1
1,4-Dichlorobenzene-D4				CAS #: 3855-82-1			
4.353	591066	23.6966684	55.4	96	NIST05.1	23150	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

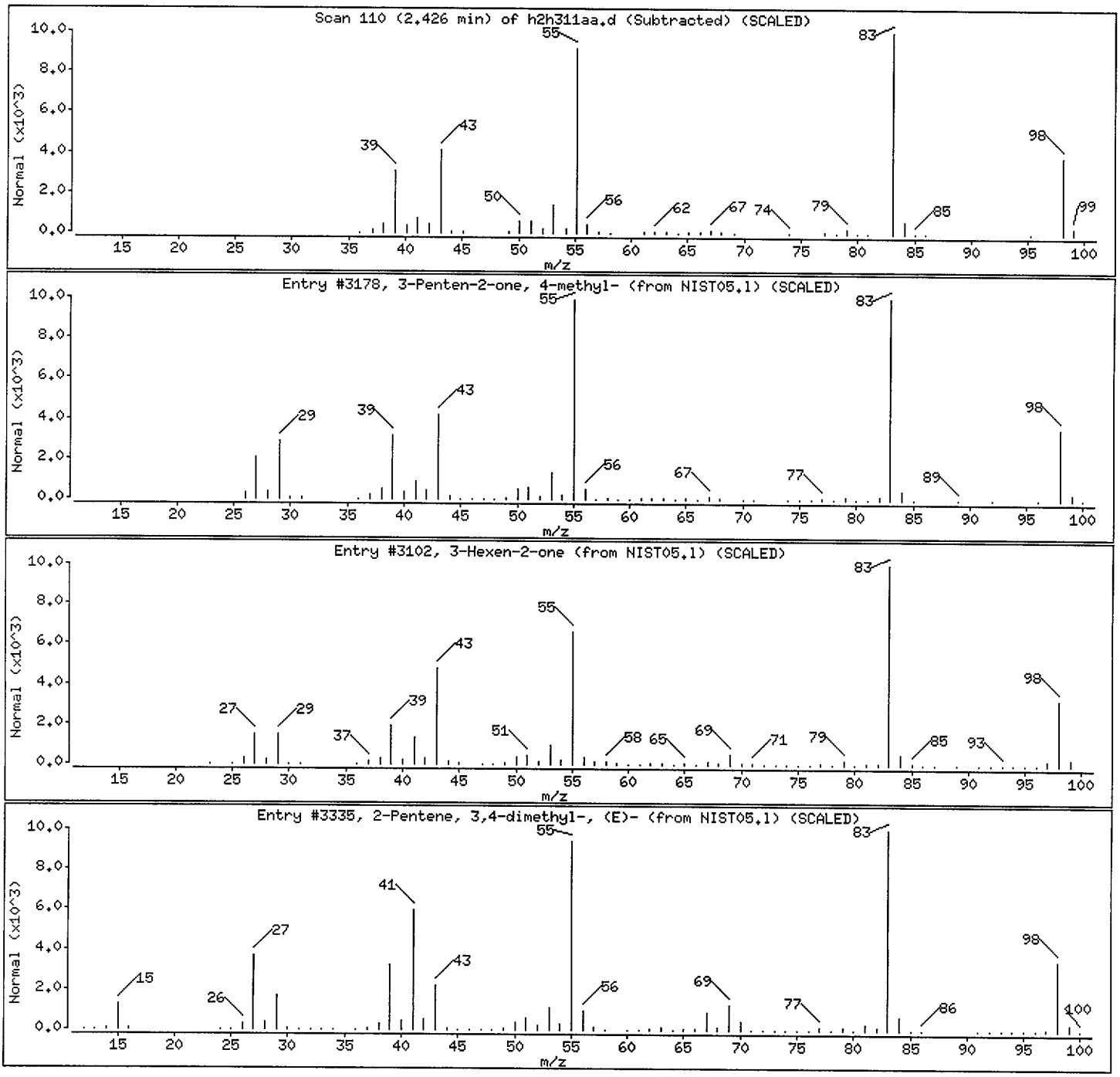
Client ID: G-3107/3108-R3-MM5 Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3178	95	C6H10O	98
3-Hexen-2-one	763-93-9	NIST05.1	3102	91	C6H10O	98
2-Pentene, 3,4-dimethyl-, (E)-	4914-92-5	NIST05.1	3335	90	C7H14	98



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

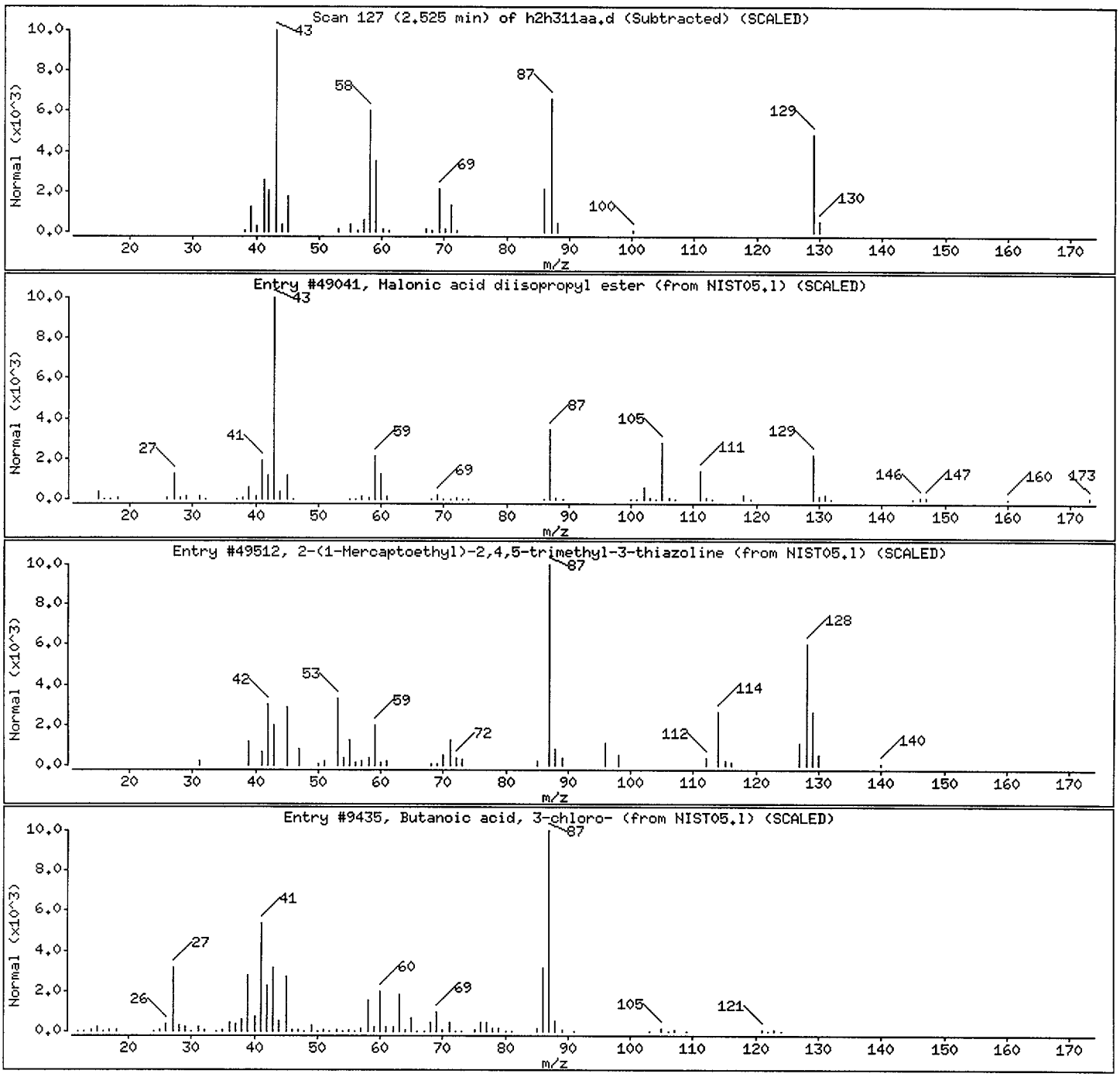
Client ID: G-3107/3108-R3-MM5 Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Malonic acid diisopropyl ester	13195-64-7	NIST05.l	49041	50	C9H16O4	188
2-(1-Mercaptoethyl)-2,4,5-trimethyl-3-th	84310-28-1	NIST05.l	49512	32	C8H15NS2	189
Butanoic acid, 3-chloro-	1951-12-8	NIST05.l	9435	32	C4H7ClO2	122



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

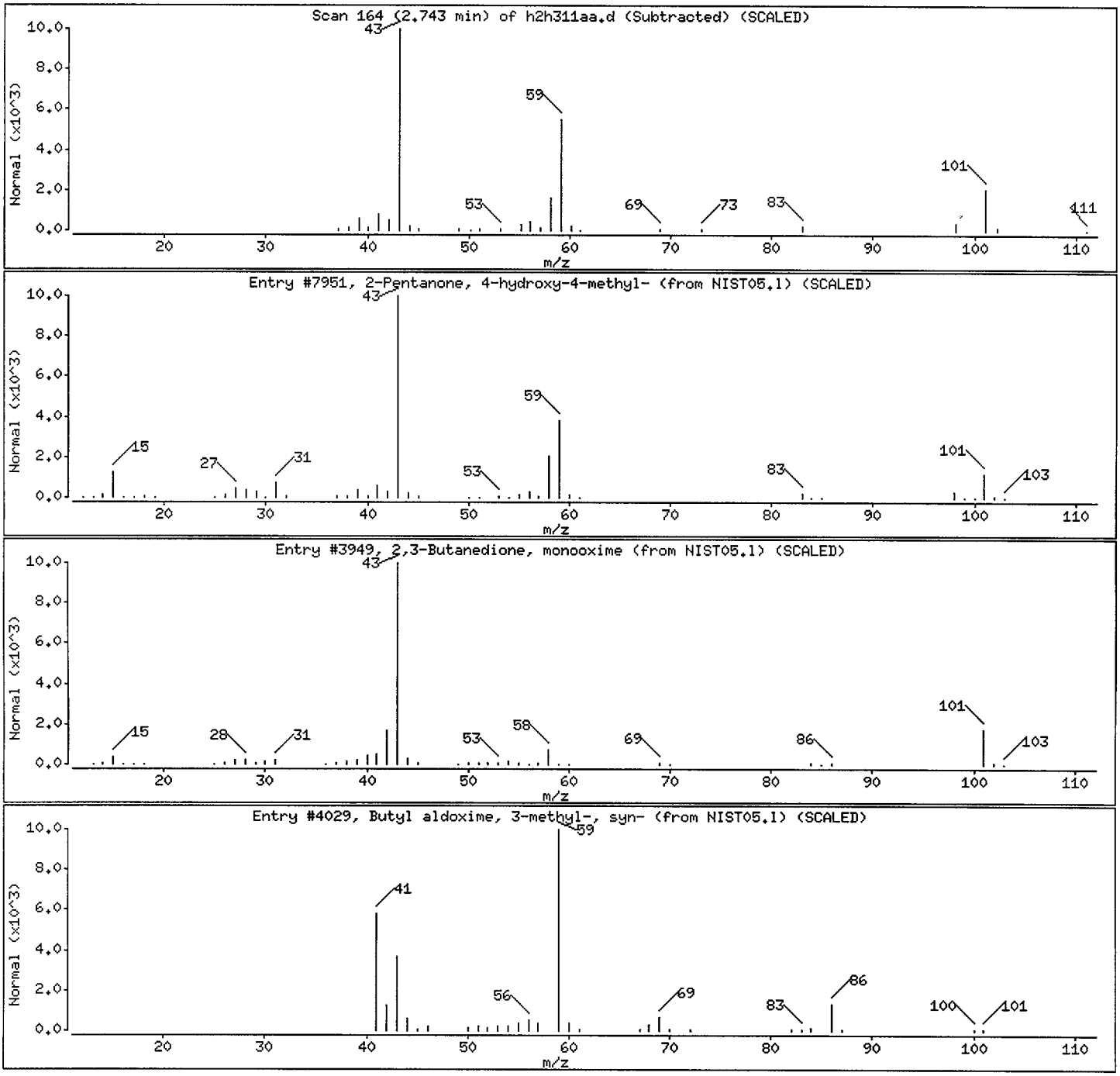
Client ID: G-3107/3108-R3-MM5 Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7951	45	C6H12O2	116
2,3-Butanedione, monooxime	57-71-6	NIST05.1	3949	25	C4H7NO2	101
Butyl aldoxime, 3-methyl-, syn-	5780-40-5	NIST05.1	4029	17	C5H11NO	101



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

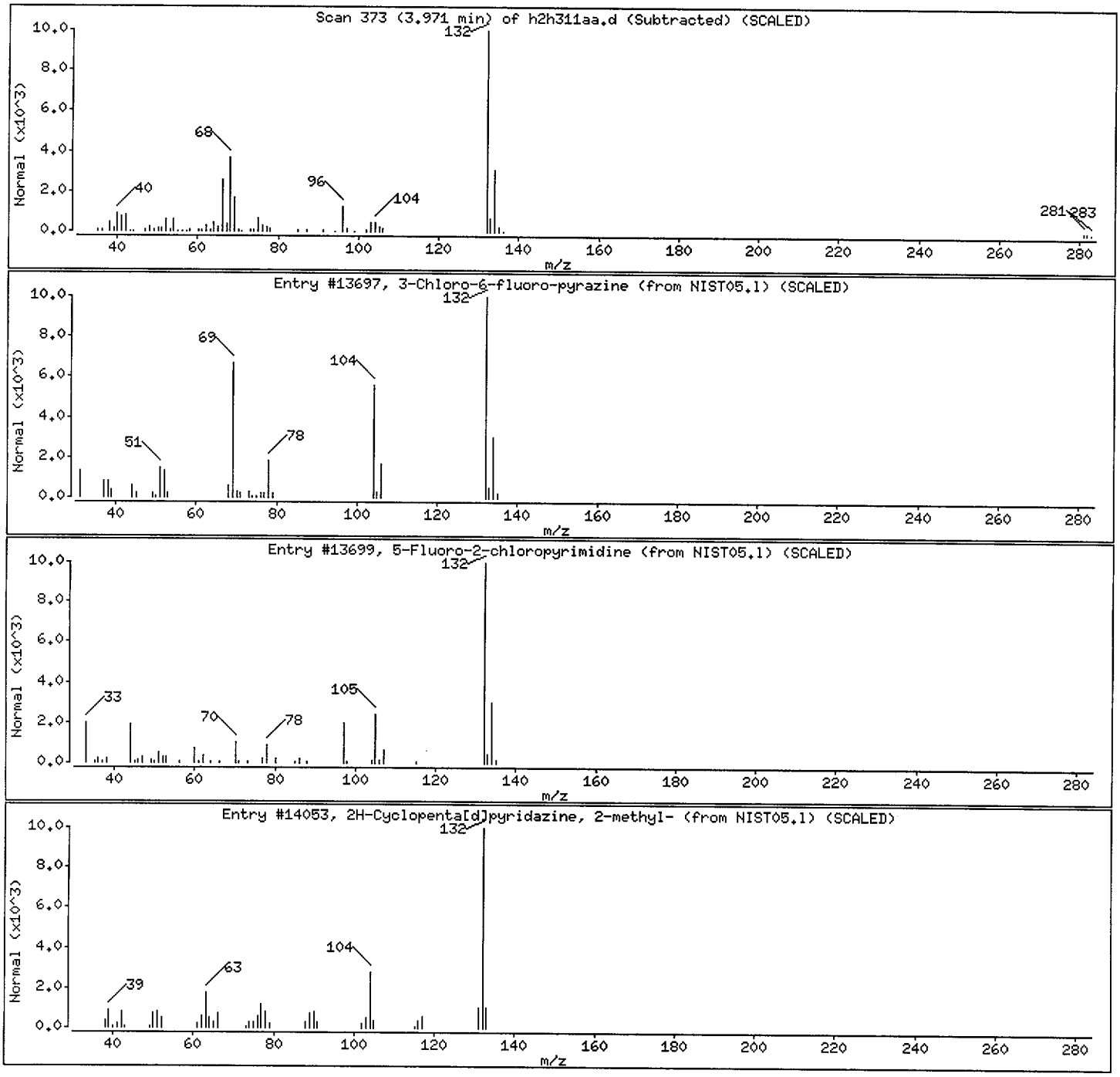
Client ID: G-3107/3108-R3-MM5 Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	17	C4H2ClFN2	132
2H-Cyclopenta[d]pyridazine, 2-methyl-	22291-85-6	NIST05.1	14053	16	C8H8N2	132



Data File: /var/chem/gcms/md.i/D042806.b/h2h311aa.d

Date : 28-APR-2006 19:38

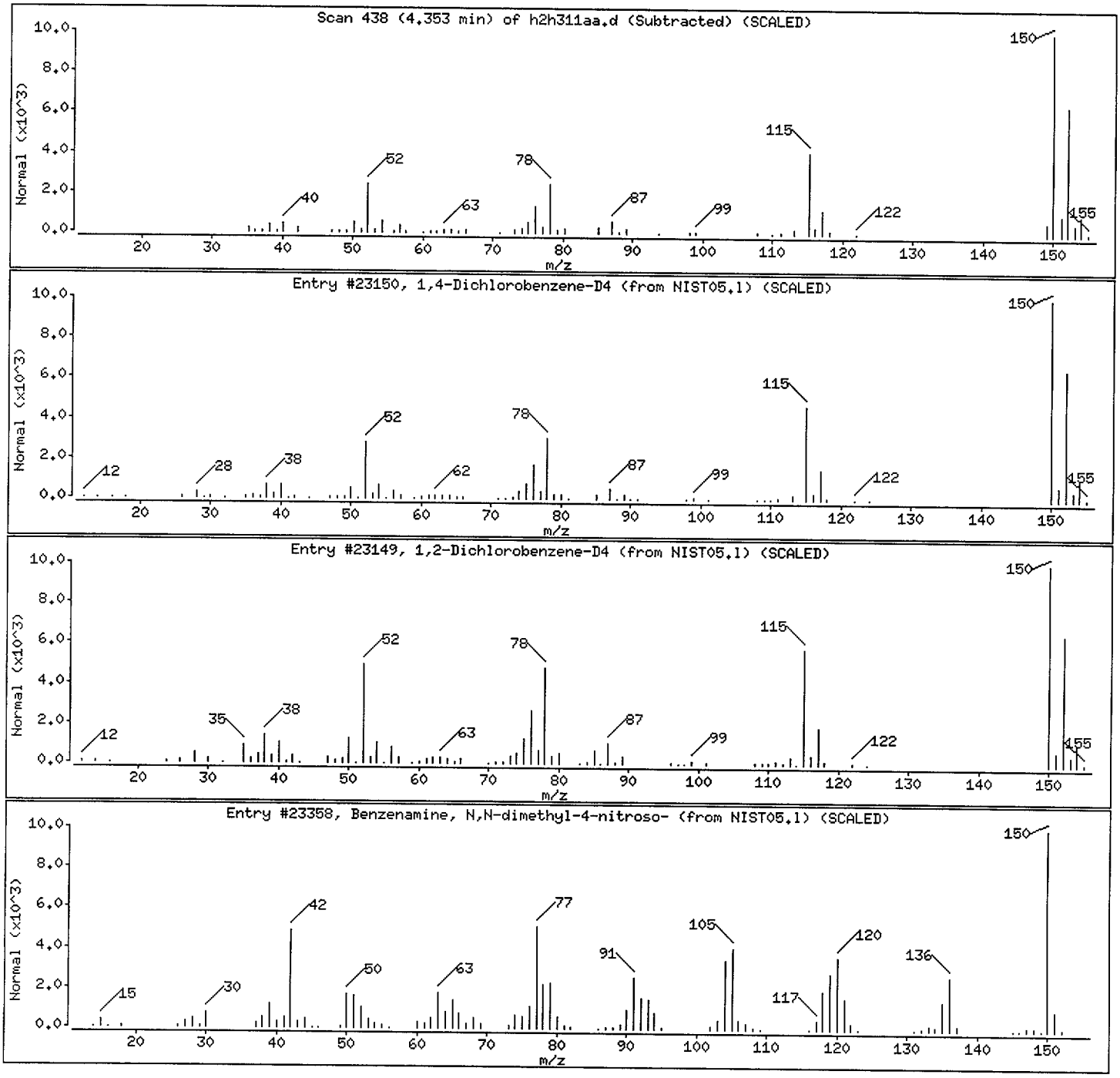
Client ID: G-3107/3108-R3-MM5 Instrument: md.i

Sample Info: H2H311AA,,0,,,,

Volume Injected (uL): 1.0 Operator: 60841

Column phase: ZB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	96	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
Benzenamine, N,N-dimethyl-4-nitroso-	138-89-6	NIST05.1	23358	27	C8H10N2O	150



STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

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

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

STL Knoxville - ACS

A-5375 MEDIA CHECK XAD

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Lab Smp Id: H2H321AA Client Smp ID: A-5375 MEDIA CHECK
Inj Date : 28-APR-2006 13:47
Operator : 60841 Inst ID: md.i
Smp Info : H2H321AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	60939	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	206916	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	146878	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	256704	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	265595	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	253373	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	207303	48.6446	48.6
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	264214	51.3978	51.4
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	156334	33.5179	33.5
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	400560	41.3677	41.4
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	94049	57.7787	57.8
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	603968	46.7533	46.8
$ 179 13C6-naphthalene	134	5.745	5.775	(1.000)	18401	1.38105	~~1.38~~(R) NA

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Report Date: 01-May-2006 10:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
34 Benzoic acid	122	5.481	5.504	(0.954)	57467	24.4515	24.4
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	5749	2.01274	~~2.01~~
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	4961	0.51284	0.513
84 Benzidine	184	11.204	11.016	(1.129)	7144	0.67897	~~0.679~~
184 Benzaldehyde	105	3.742	3.742	(0.900)	4809	1.72790	1.73
185 Benzonitrile	103	3.971	3.935	(0.955)	10501	1.68497	~~1.68~~

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h321aa.d
Lab Smp Id: H2H321AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: A-5375 MEDIA CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	60939	-0.94
2 Naphthalene-d8	201763	100882	403526	206916	2.55
3 Acenaphthene-d10	143273	71636	286546	146878	2.52
4 Phenanthrene-d10	247023	123512	494046	256704	3.92
5 Chrysene-d12	265356	132678	530712	265595	0.09
6 Perylene-d12	233795	116898	467590	253373	8.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Report Date: 01-May-2006 10:07

STL Knoxville

RECOVERY REPORT

Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H321AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westatesc13.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Client SDG: H6D030245
Fraction: SV
Client Smp ID: A-5375 MEDIA CHECK
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

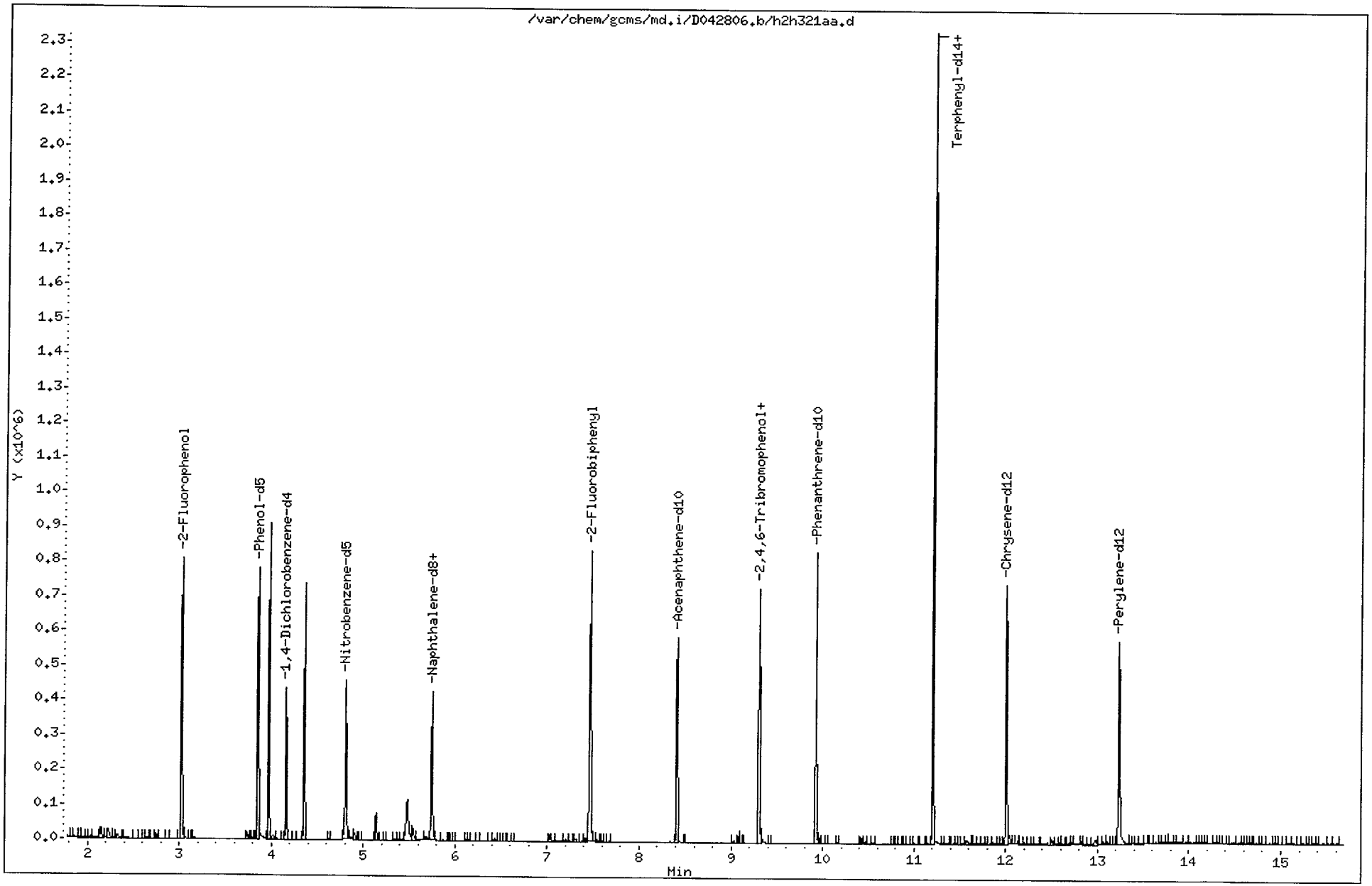
SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	48.6	64.86	19-100
$ 8 Phenol-d5	75.0	51.4	68.53	15-124
$ 9 Nitrobenzene-d5	50.0	33.5	67.04	42-104
$ 10 2-Fluorobiphenyl	50.0	41.4	82.74	51-103
$ 11 2,4,6-Tribromophen	75.0	57.8	77.04	33-130
$ 12 Terphenyl-d14	50.0	46.8	93.51	58-122
$ 179 13C6-naphthalene	NA ~~100~~	~~1.38~~	~~1.38*~~	50-150

N 050506

Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Date : 28-APR-2006 13:47
Client ID: A-5375 MEDIA CHECK
Sample Info: H2H321AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

Volume Injected (uL): 1.0

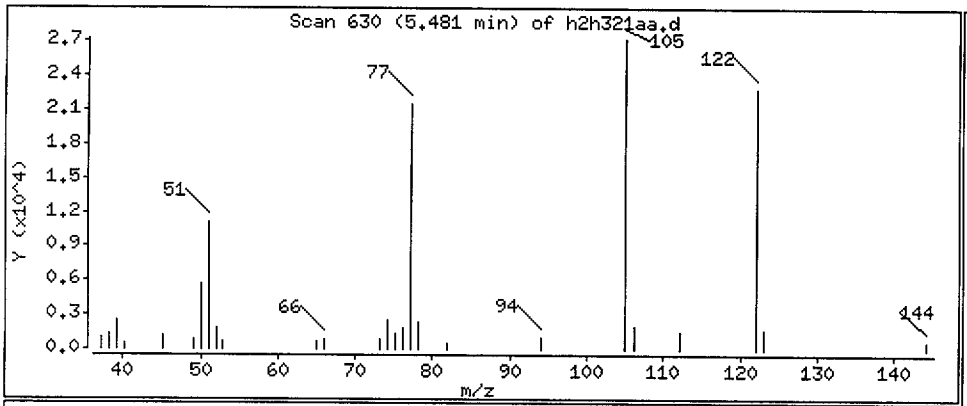
Operator: 60841

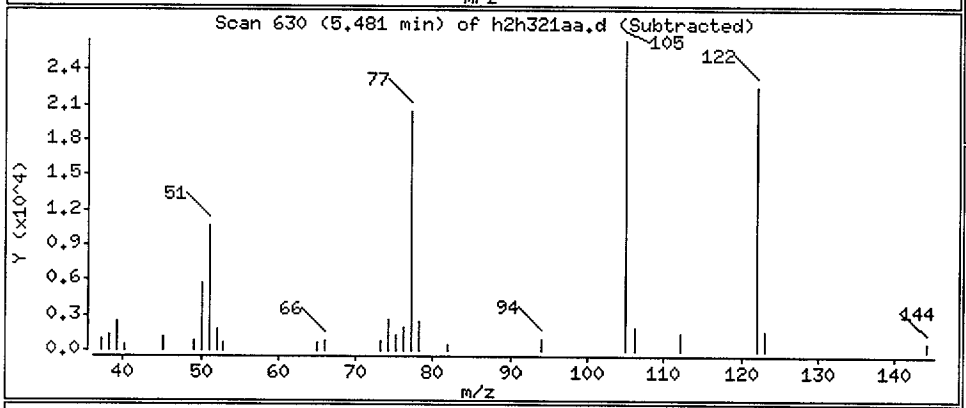
Column phase: ZB-5

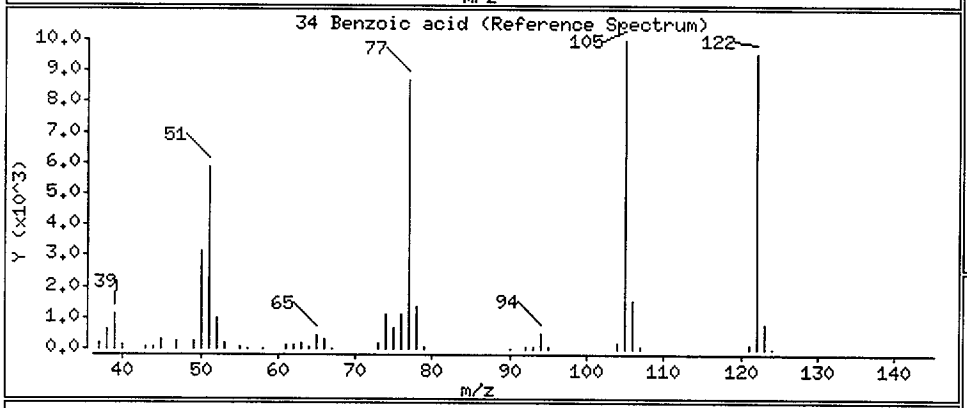
Column diameter: 0.25

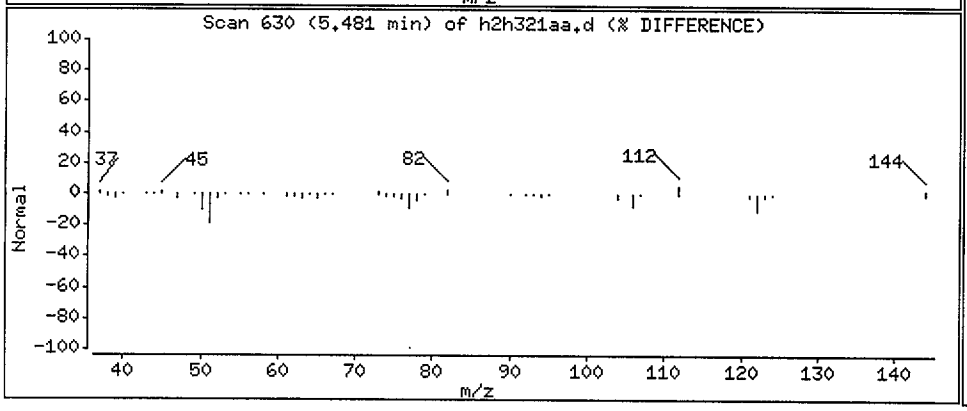
34 Benzoic acid

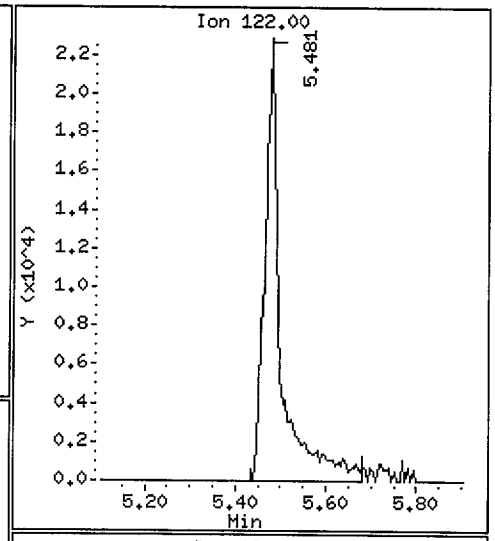
Concentration: 24.4 ug

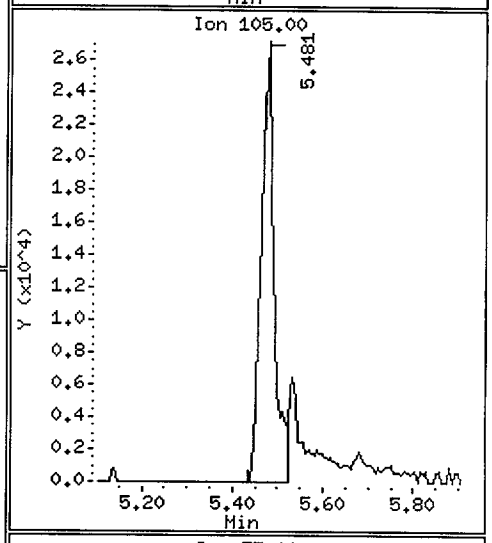


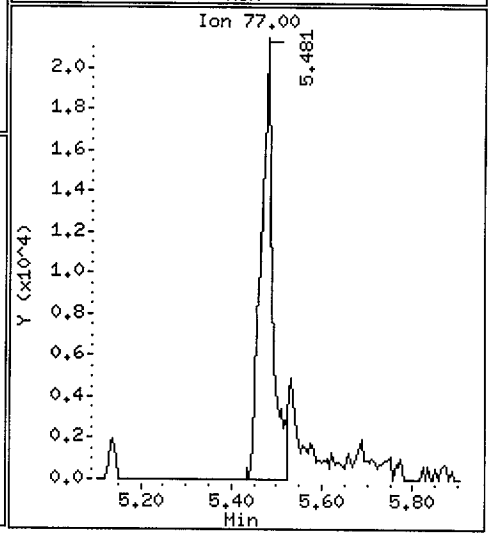












Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

Volume Injected (uL): 1.0

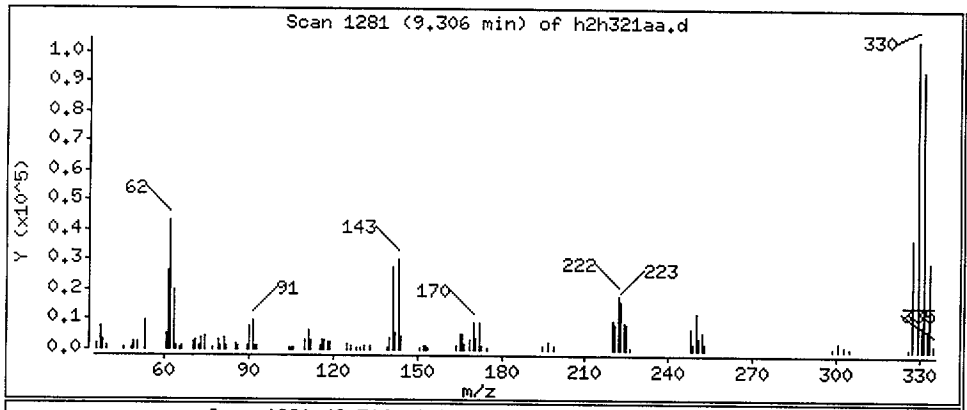
Operator: 60841

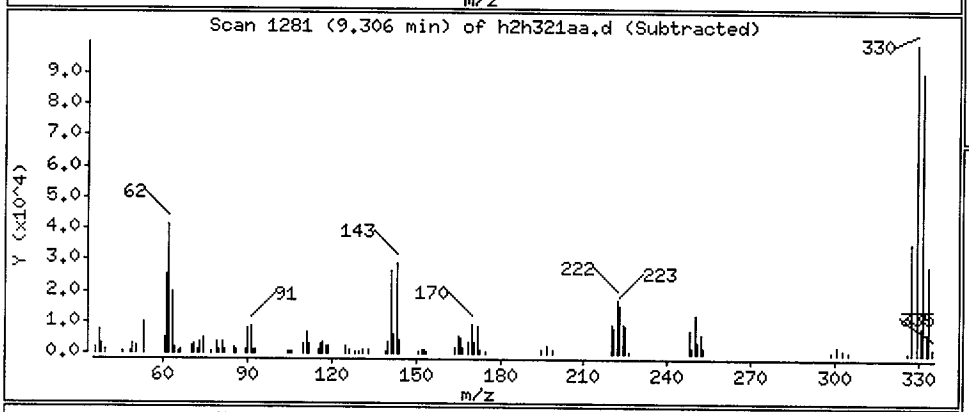
Column phase: ZB-5

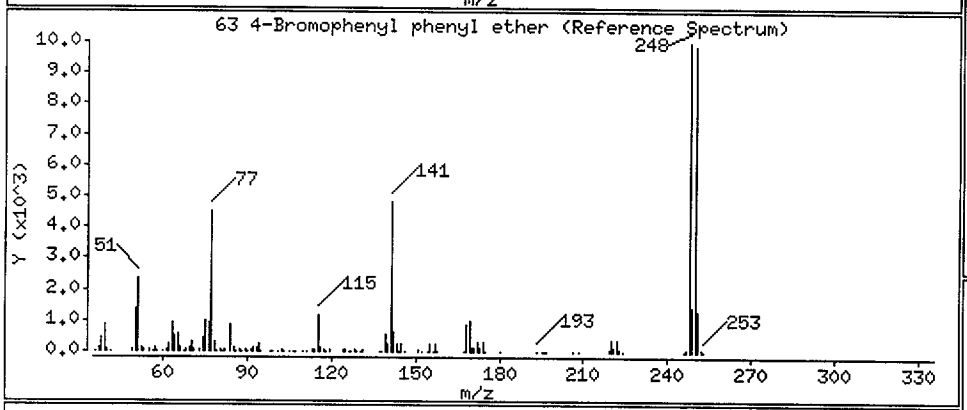
Column diameter: 0.25

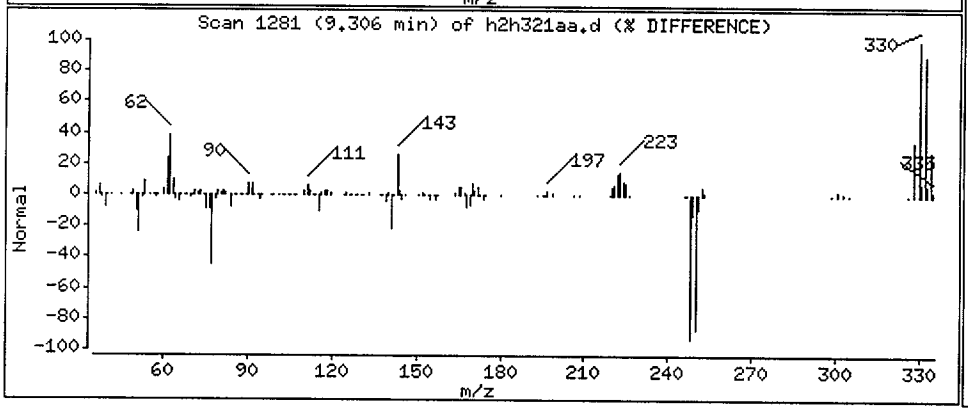
63 4-Bromophenyl phenyl ether

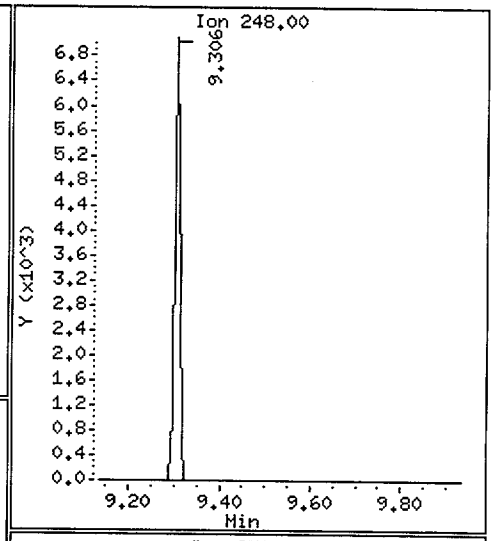
Concentration: 2.01 ug

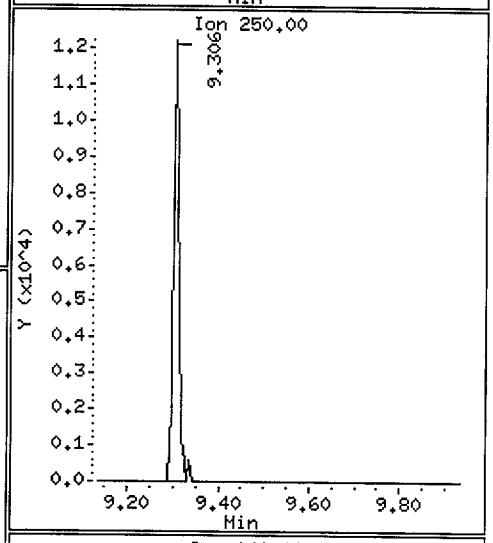


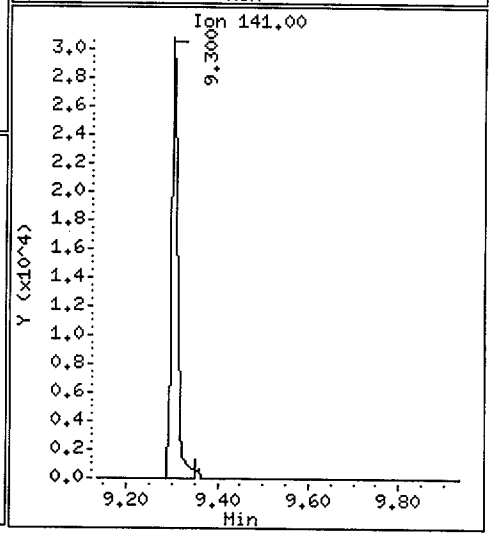












Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

Volume Injected (uL): 1.0

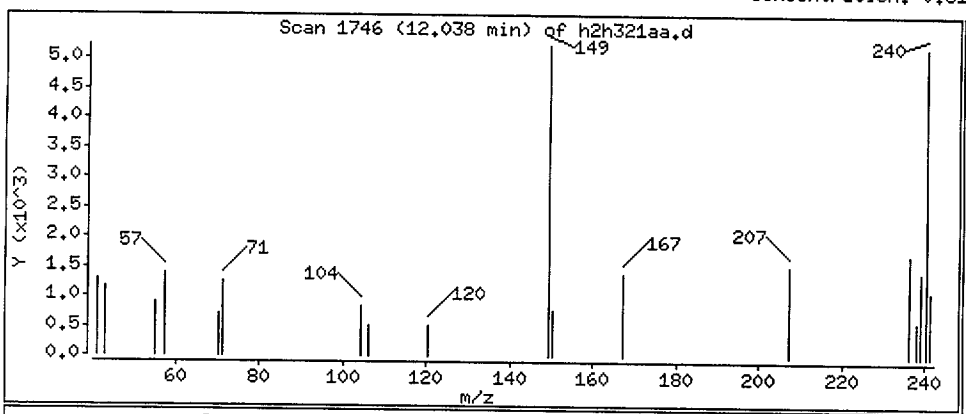
Operator: 60841

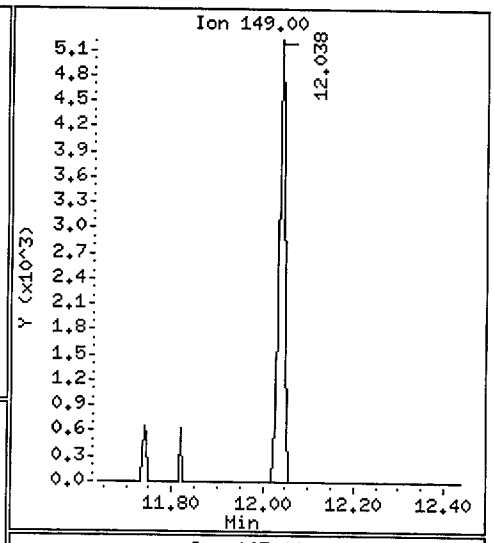
Column phase: ZB-5

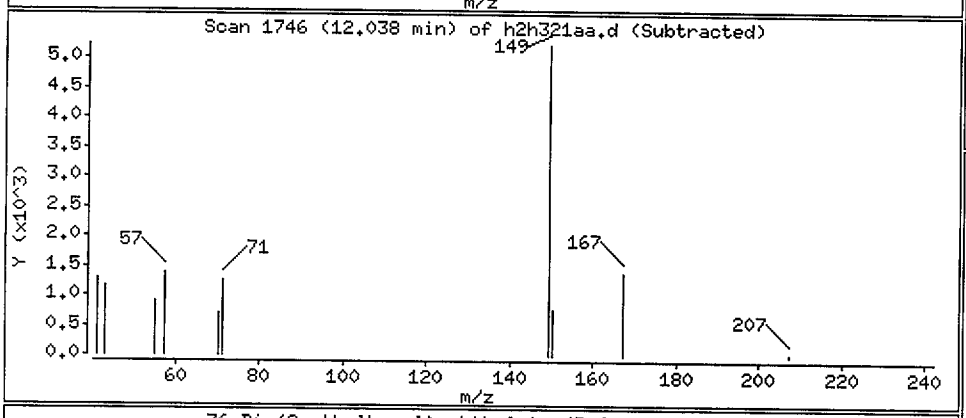
Column diameter: 0.25

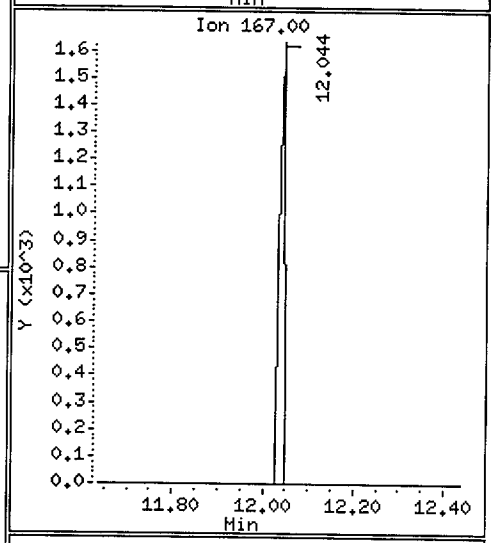
76 Bis(2-ethylhexyl) phthalate

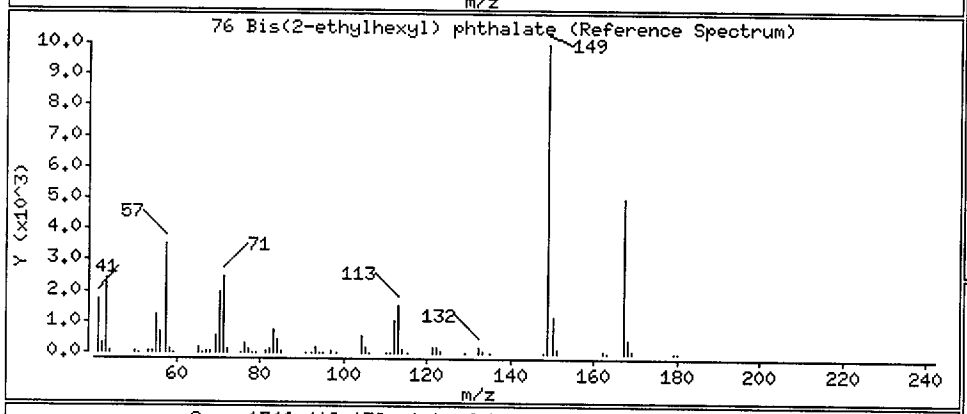
Concentration: 0.513 ug

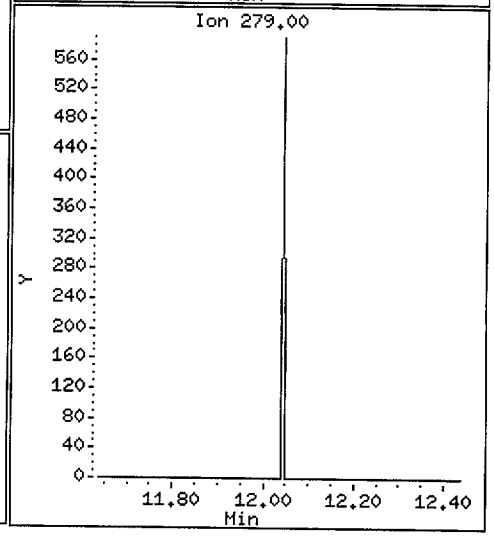


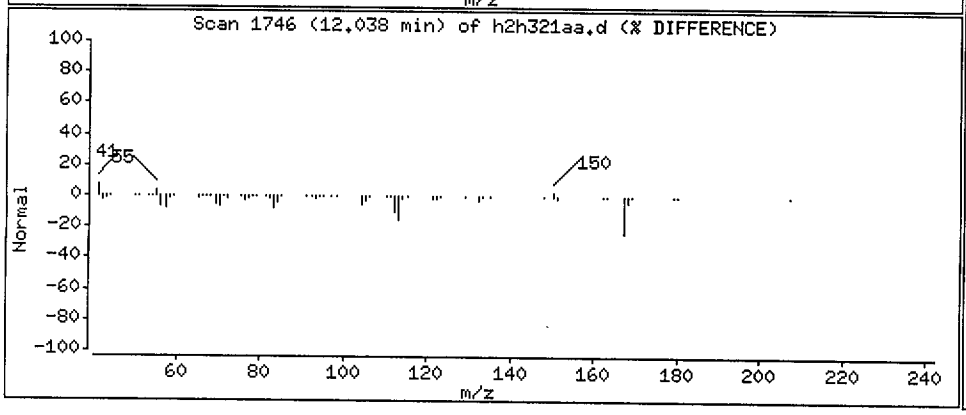












Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

Volume Injected (uL): 1.0

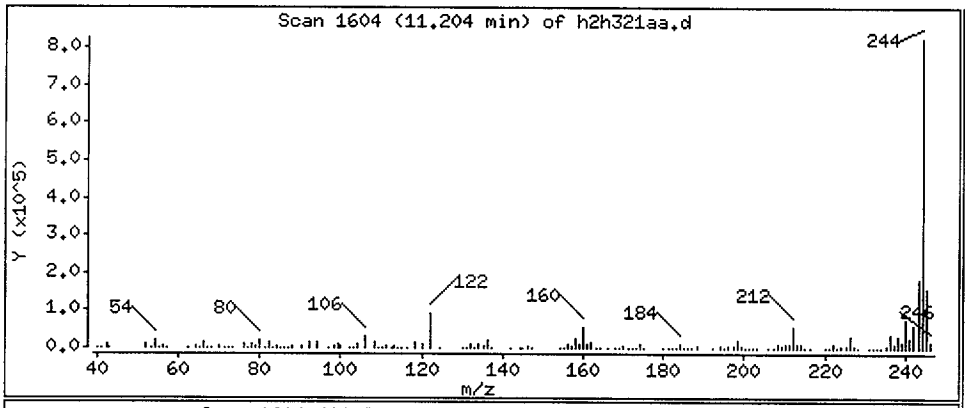
Operator: 60841

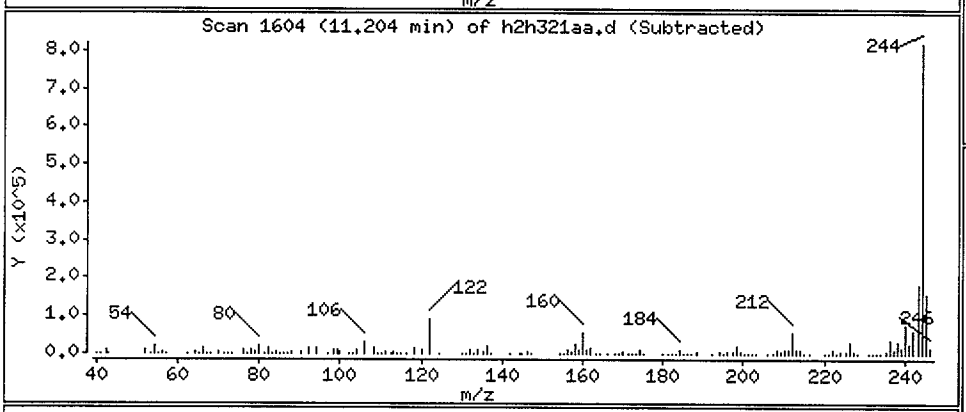
Column phase: ZB-5

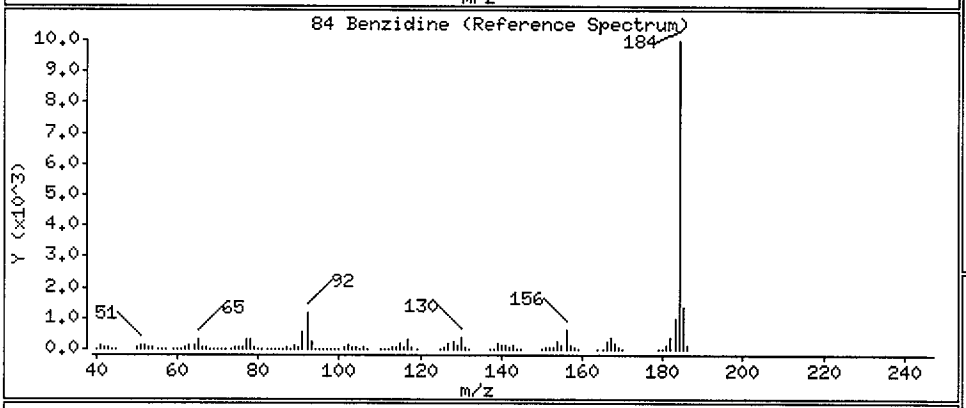
Column diameter: 0.25

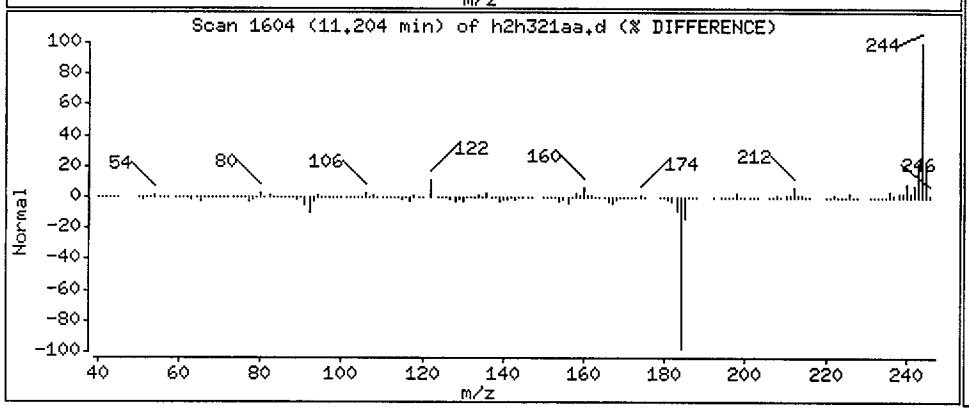
84 Benzidine

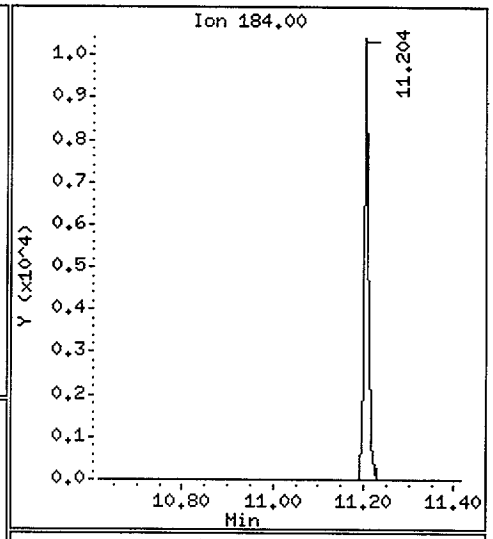
Concentration: 0.679 ug

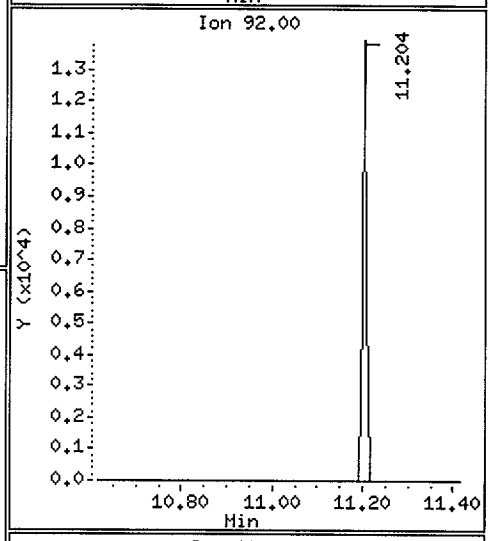


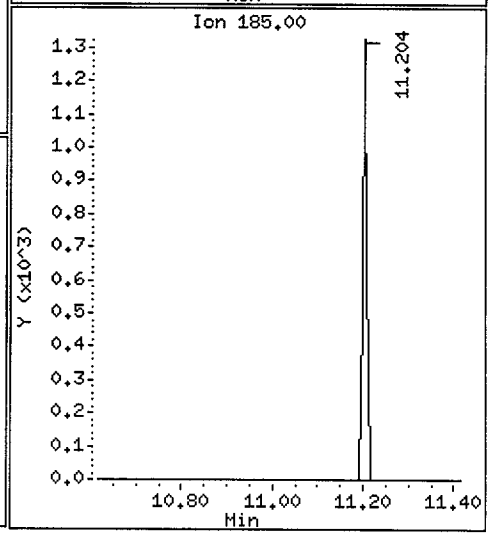












Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

Volume Injected (uL): 1.0

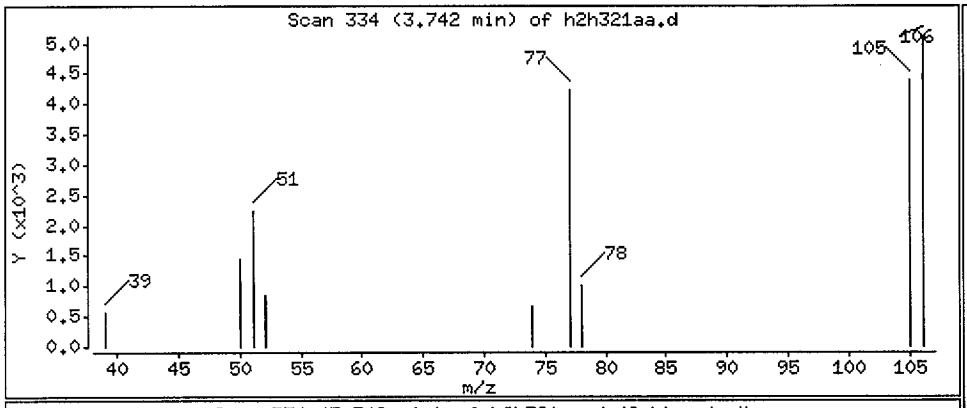
Operator: 60841

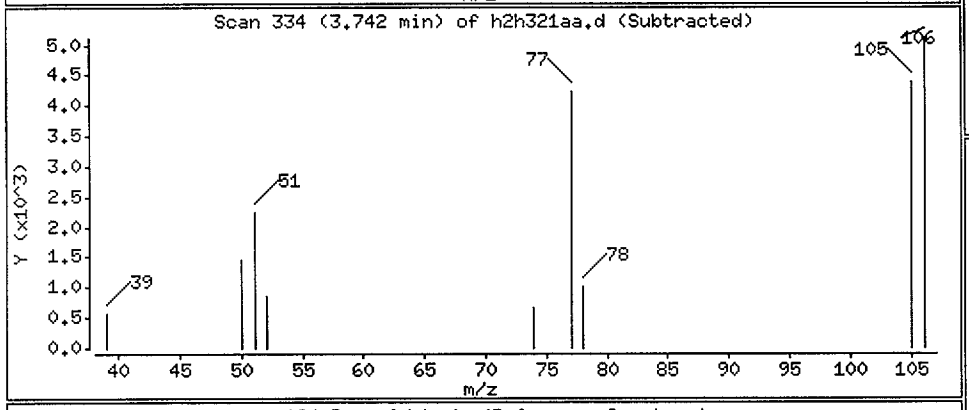
Column phase: ZB-5

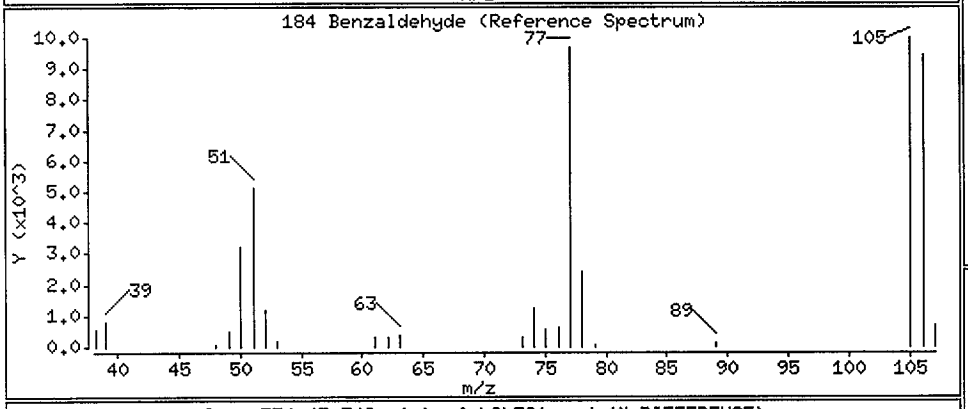
Column diameter: 0.25

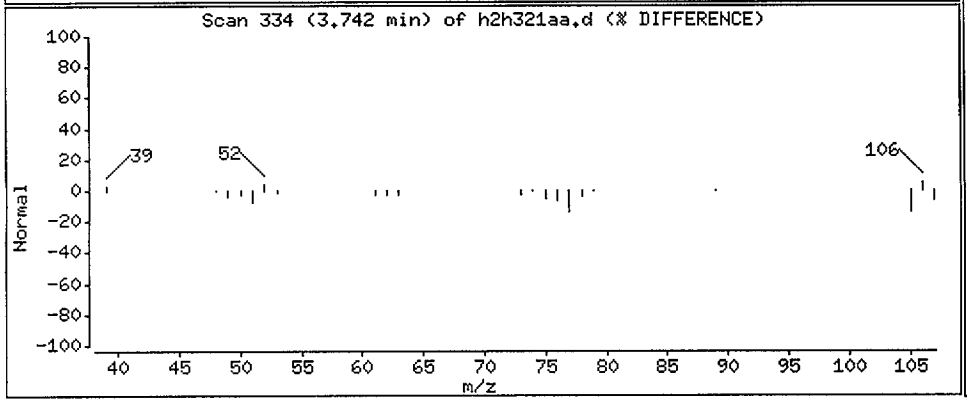
184 Benzaldehyde

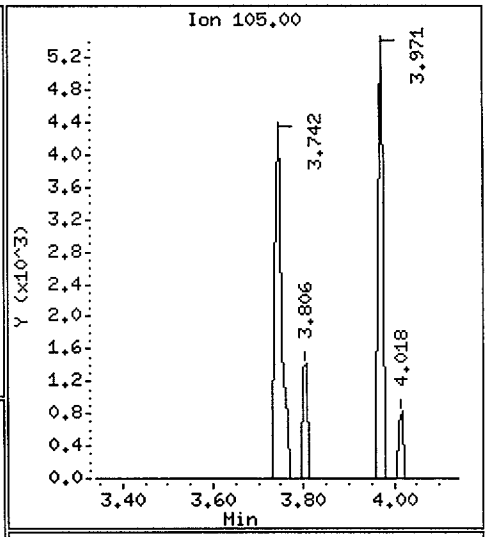
Concentration: 1.73 ug

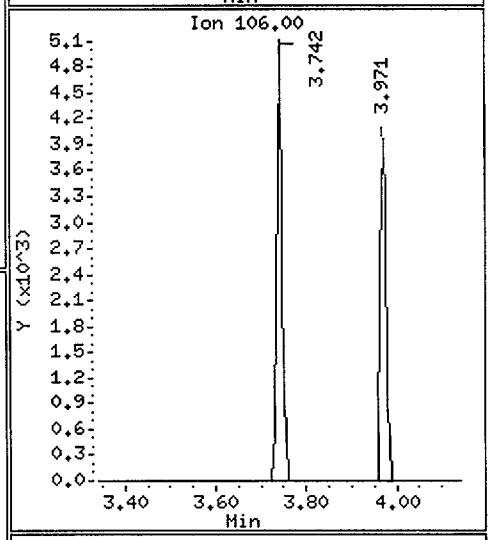


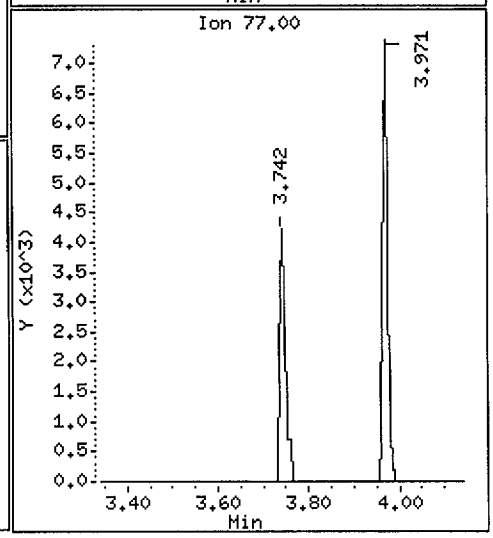












Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

Volume Injected (uL): 1.0

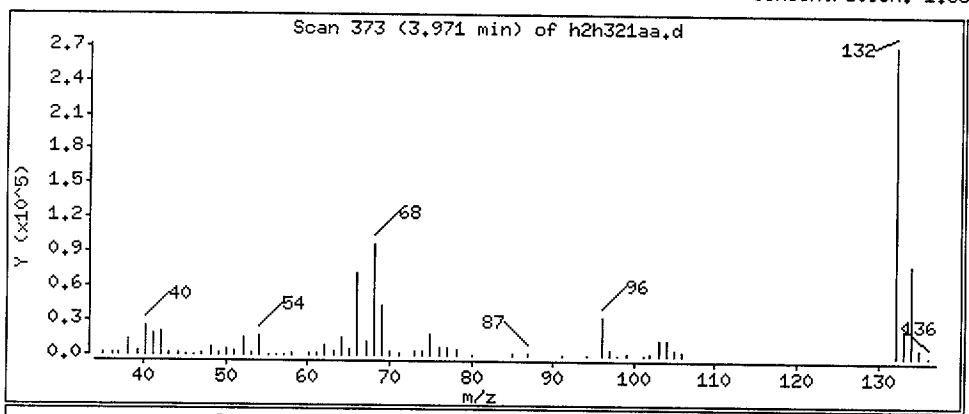
Operator: 60841

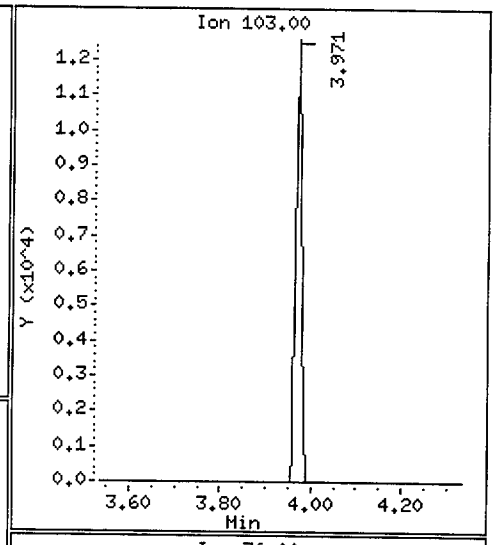
Column phase: ZB-5

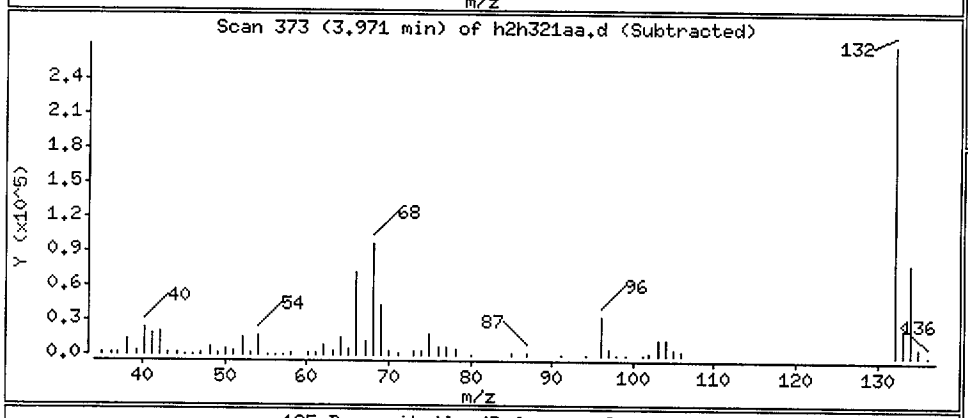
Column diameter: 0.25

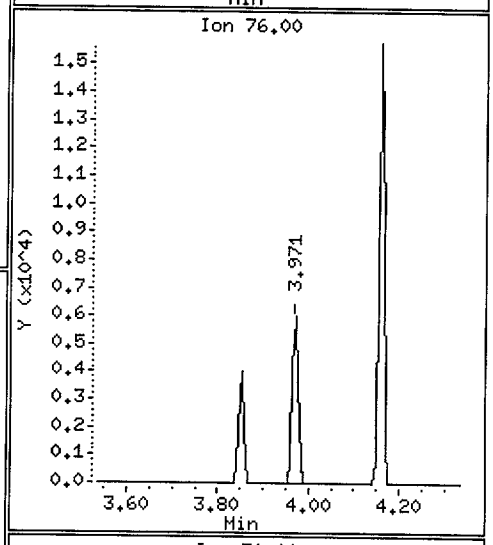
185 Benzonitrile

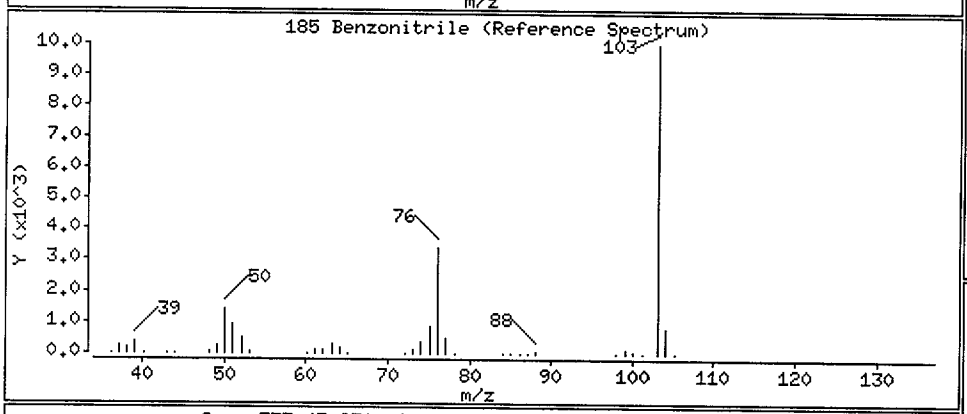
Concentration: 1.68 ug

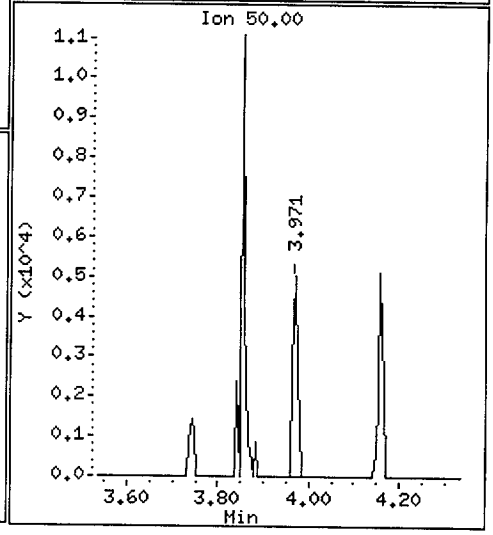


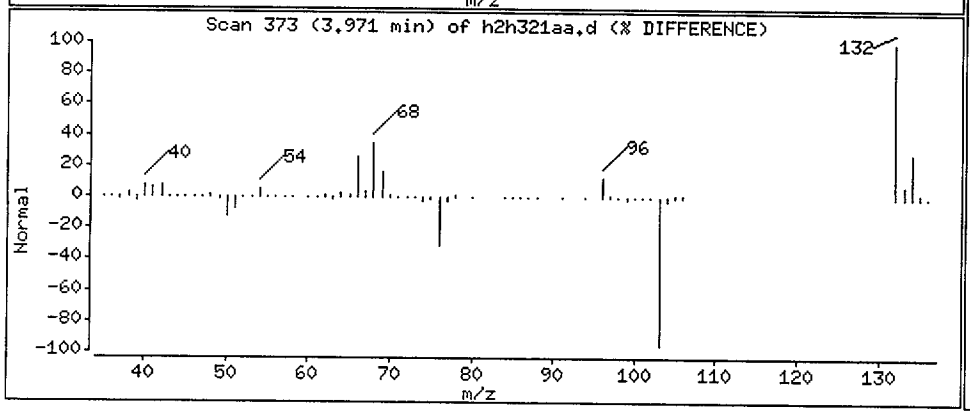












Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Report Date: 01-May-2006 11:36

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h321aa.d
Lab Smp Id: H2H321AA Client Smp ID: A-5375 MEDIA CHECK
Inj Date : 28-APR-2006 13:47
Operator : 60841 Inst ID: md.i
Smp Info : H2H321AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:50 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	433828	20.000

	CONCENTRATIONS				QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7		
3.971	908703	41.8923168	41.9	35	NIST05.1	13697	1
1,2-Dichlorobenzene-D4					CAS #: 2199-69-1		
4.353	736270	33.9429451	33.9	94	NIST05.1	23149	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

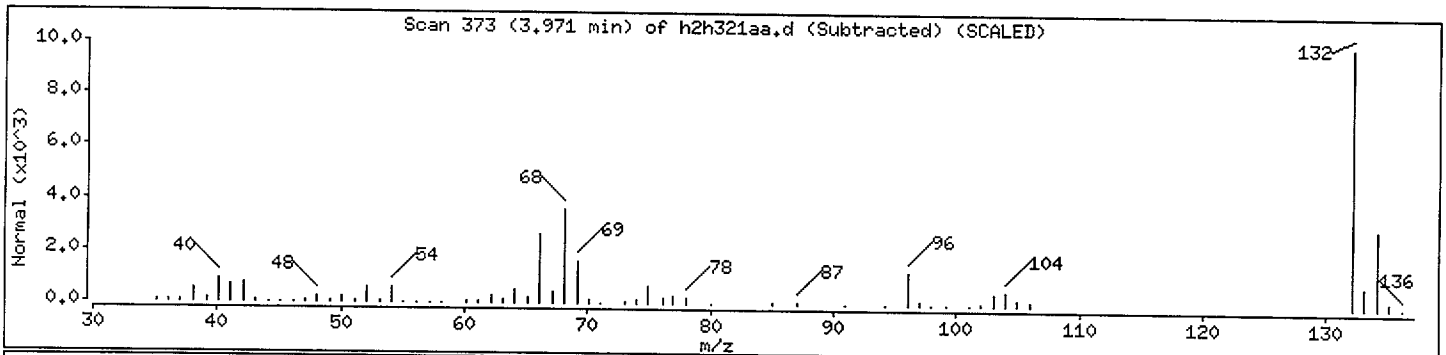
Volume Injected (uL): 1.0

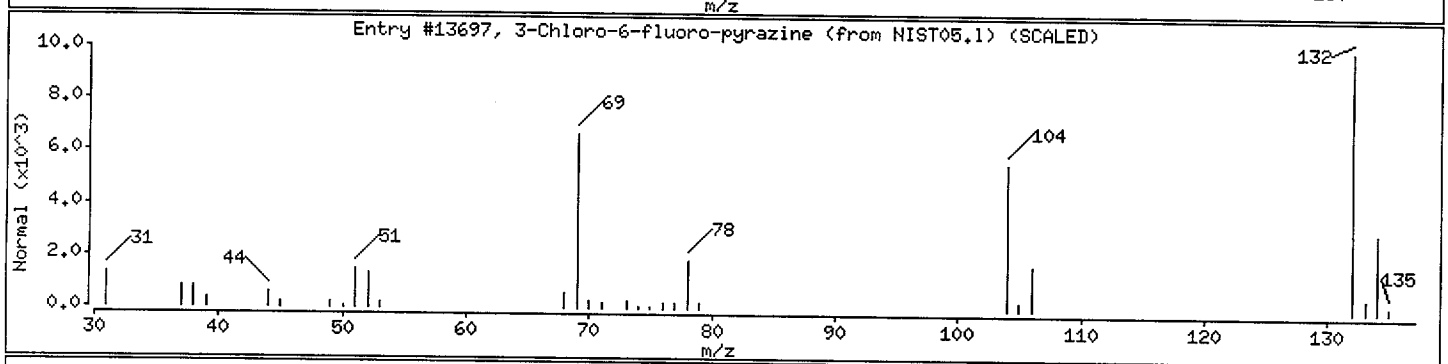
Operator: 60841

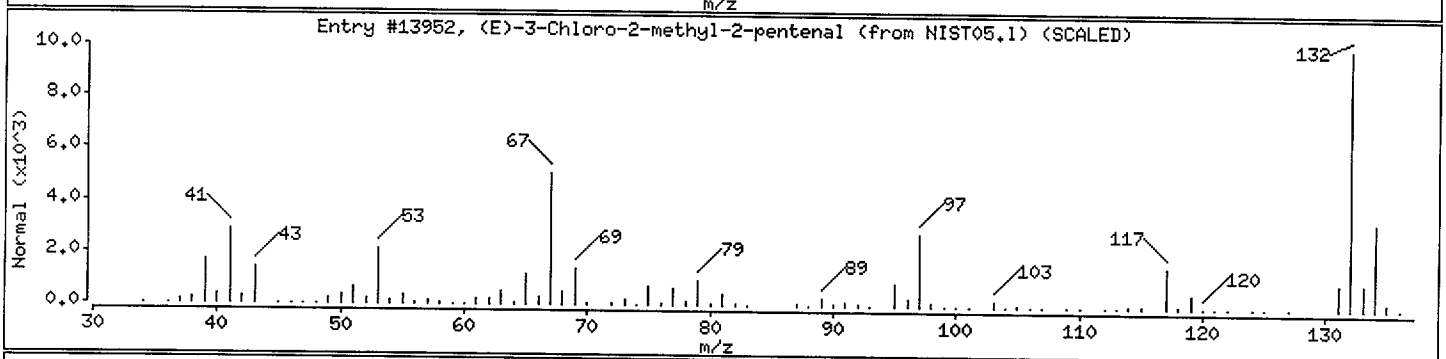
Column phase: ZB-5

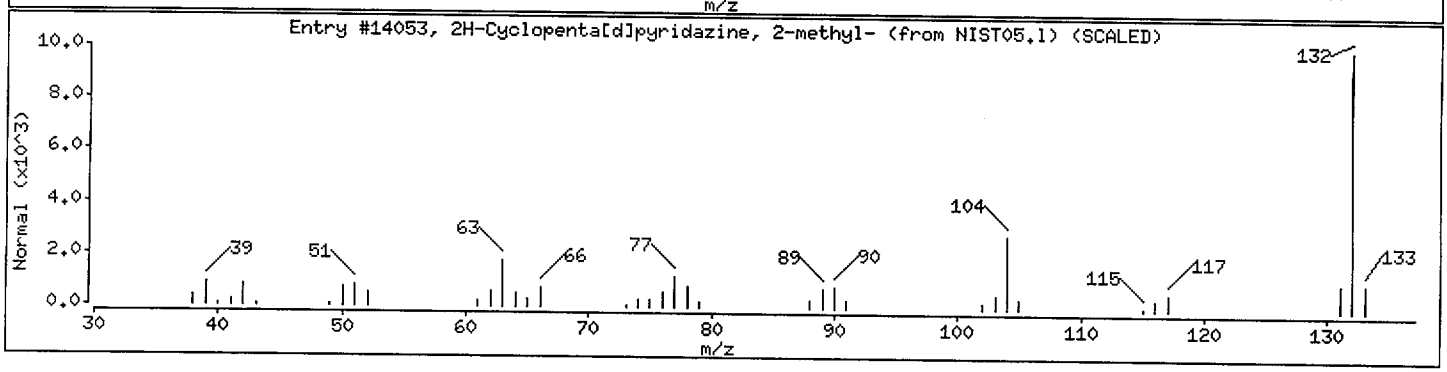
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	25	C6H9ClO	132
2H-Cyclopenta[d]pyridazine, 2-methyl-	22291-85-6	NIST05.1	14053	12	C8H8N2	132









Data File: /var/chem/gcms/md.i/D042806.b/h2h321aa.d

Date : 28-APR-2006 13:47

Client ID: A-5375 MEDIA CHECK

Instrument: md.i

Sample Info: H2H321AA,,0,,,,

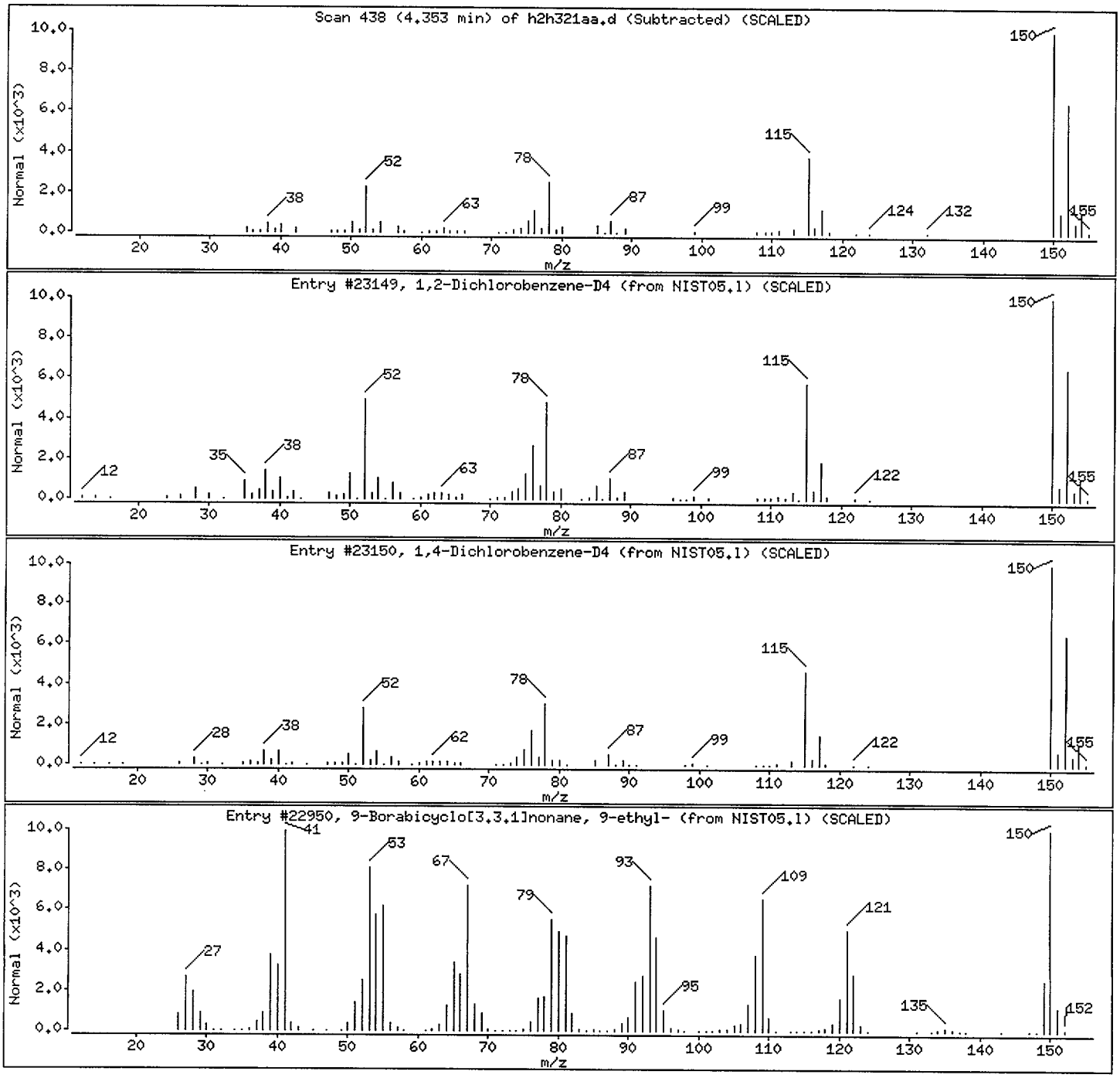
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	43	C10H19B	150



STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

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

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

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

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

NOTE(S):

* Surrogate recovery is outside stated control limits.

STL Knoxville - ACS

A-5377 MEDIA CHECK FILTER

GC/MS Semivolatiles

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

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Lab Smp Id: H2H331AA Client Smp ID: A-5377 MEDIA CHECK
Inj Date : 28-APR-2006 16:54
Operator : 60841 Inst ID: md.i
Smp Info : H2H331AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:40 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	68688	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	233929	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	166380	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	300209	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	313646	20.0000	
* 6 Perylene-d12	264	13.237	13.231	(1.000)	291822	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	53924	11.2261	11.2(R)
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	57623	9.94503	9.94(R)
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	34523	6.54699	6.55(R)
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	128151	11.6834	11.7(R)
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	37659	19.7831	19.8(R)
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	263997	17.3052	17.3(R)
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	1822	0.54549	~~0.545~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Report Date: 01-May-2006 13:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
184 Benzaldehyde	105	3.971	3.742	(0.955)	616	0.19643	~~0.196~~
185 Benzonitrile	103	3.971	3.935	(0.955)	2453	0.34920	~~0.349~~

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2h331aa.d
Lab Smp Id: H2H331AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: A-5377 MEDIA CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	68688	11.66
2 Naphthalene-d8	201763	100882	403526	233929	15.94
3 Acenaphthene-d10	143273	71636	286546	166380	16.13
4 Phenanthrene-d10	247023	123512	494046	300209	21.53
5 Chrysene-d12	265356	132678	530712	313646	18.20
6 Perylene-d12	233795	116898	467590	291822	24.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.24	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Report Date: 01-May-2006 13:41

STL Knoxville

RECOVERY REPORT

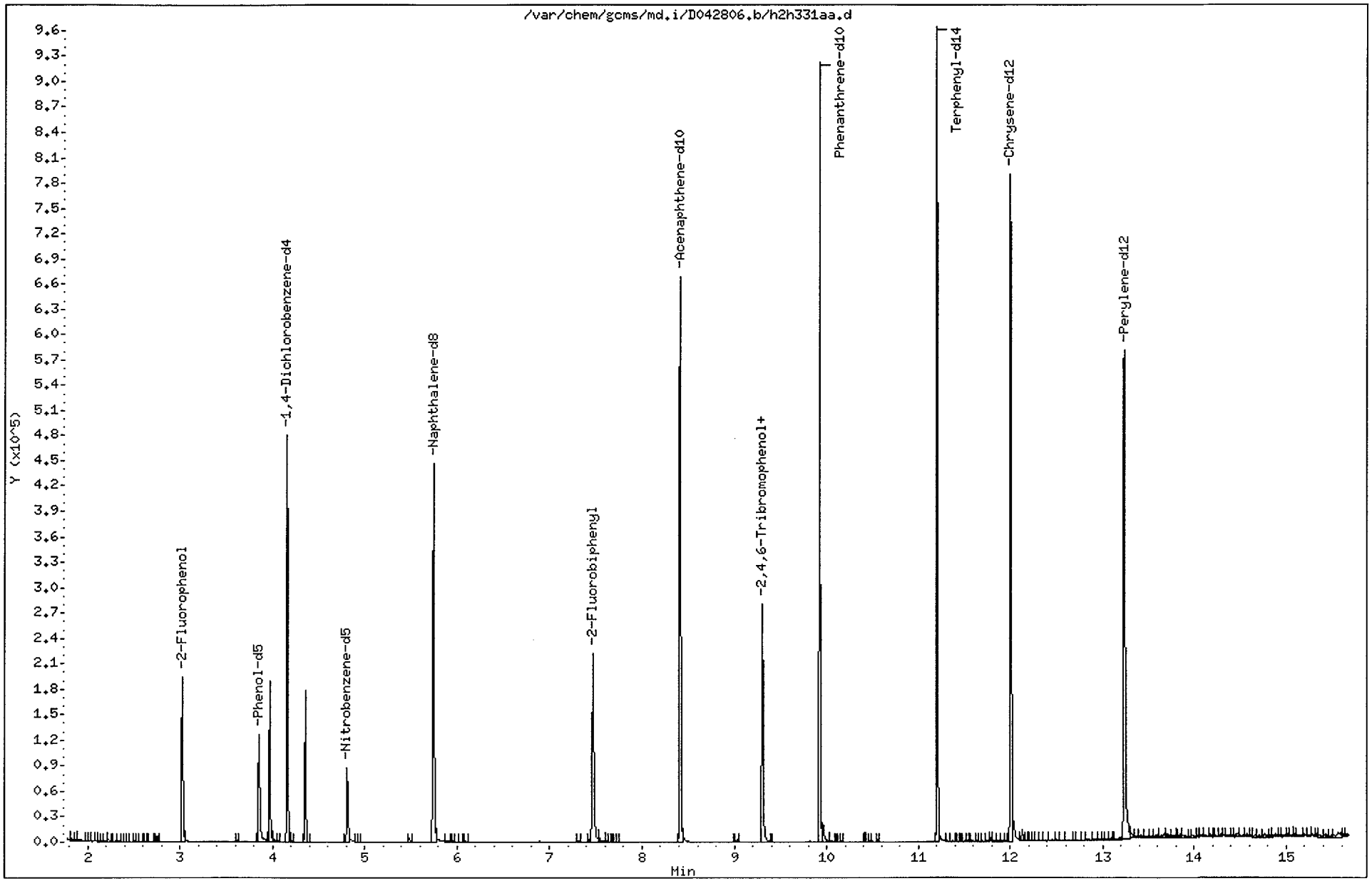
Client Name: STL Knoxville - ACS
Sample Matrix: GAS
Lab Smp Id: H2H331AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Client SDG: H6D030245
Fraction: SV
Client Smp ID: A-5377 MEDIA CHECK
Operator: 60841
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	11.2	14.97*	19-100
$ 8 Phenol-d5	75.0	9.94	13.26*	15-124
$ 9 Nitrobenzene-d5	50.0	6.55	13.09*	42-104
$ 10 2-Fluorobiphenyl	50.0	11.7	23.37*	51-103
$ 11 2,4,6-Tribromophen	75.0	19.8	26.38*	33-130
$ 12 Terphenyl-d14	50.0	17.3	34.61*	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Date : 28-APR-2006 16:54
Client ID: A-5377 MEDIA CHECK
Sample Info: H2H331AA,,0,,,,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d

Date : 28-APR-2006 16:54

Client ID: A-5377 MEDIA CHECK

Instrument: md.i

Sample Info: H2H331AA,,0,,,,

Volume Injected (uL): 1.0

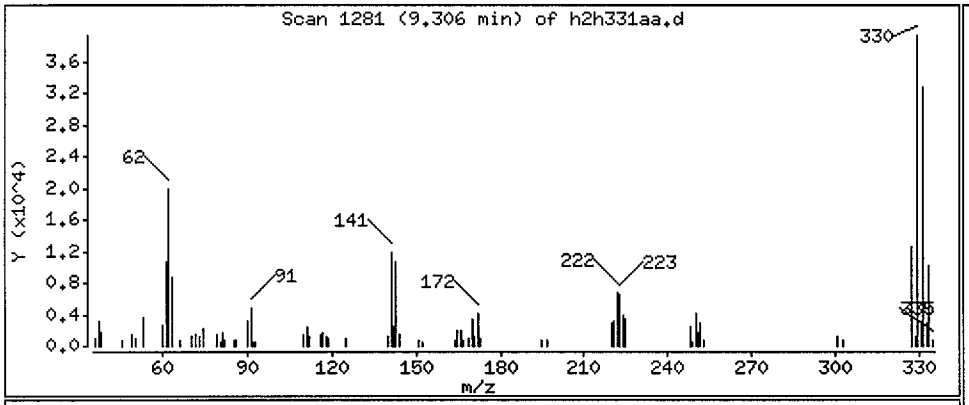
Operator: 60841

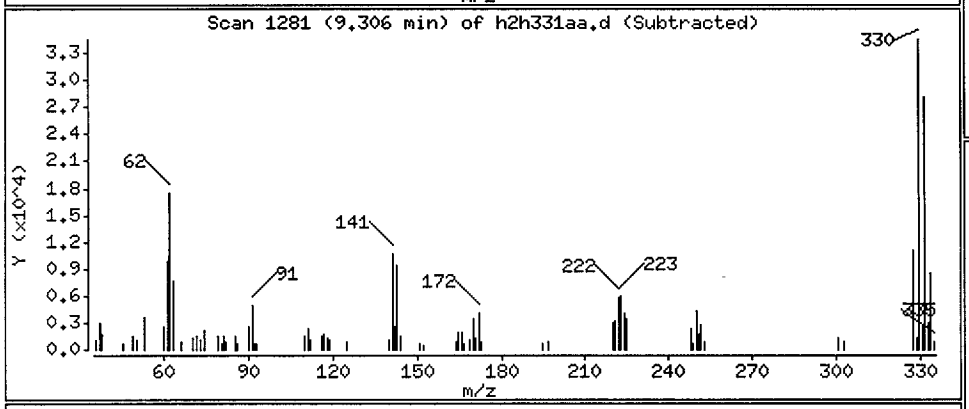
Column phase: ZB-5

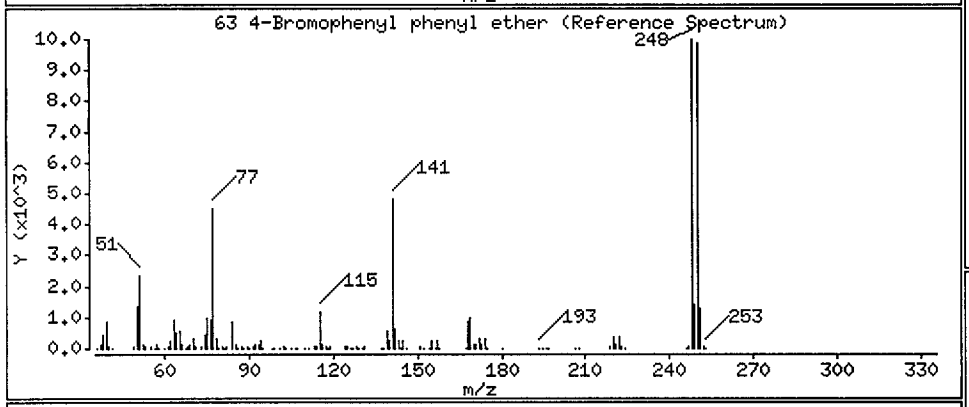
Column diameter: 0.25

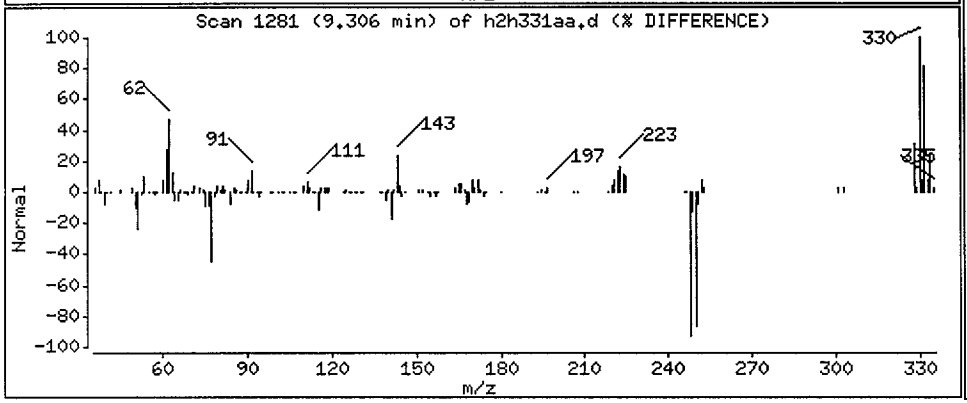
63 4-Bromophenyl phenyl ether

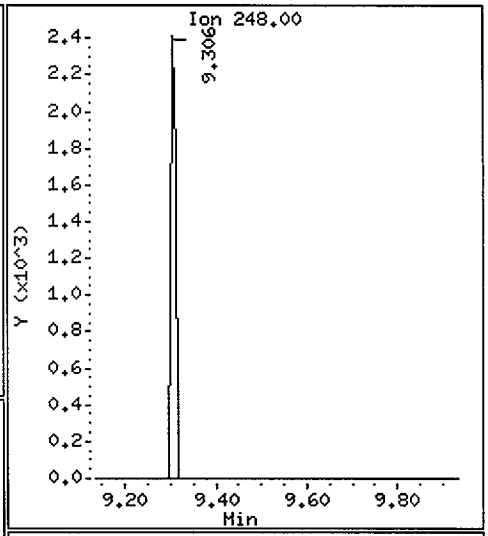
Concentration: 0.545 ug

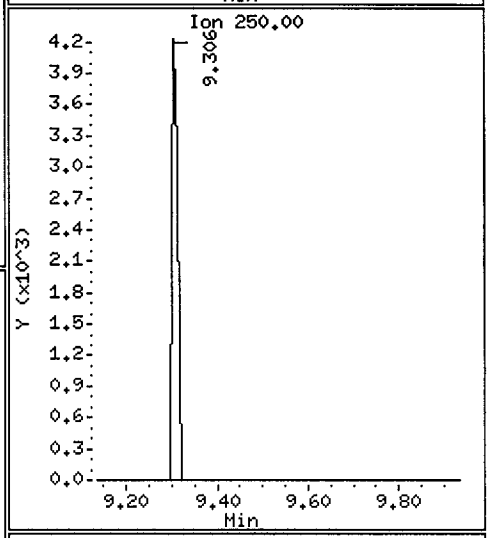


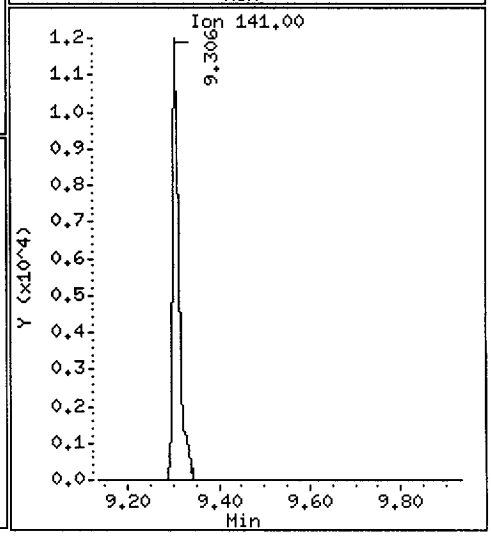












Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d

Date : 28-APR-2006 16:54

Client ID: A-5377 MEDIA CHECK

Instrument: md.i

Sample Info: H2H331AA,,0,,,,

Volume Injected (uL): 1.0

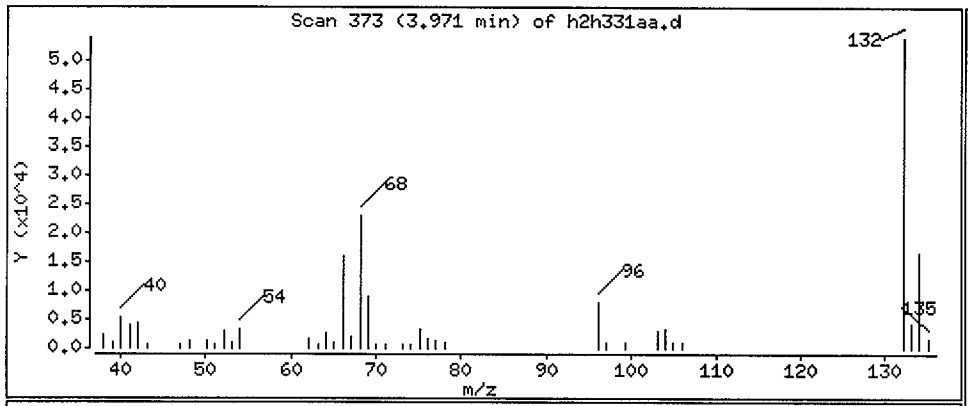
Operator: 60841

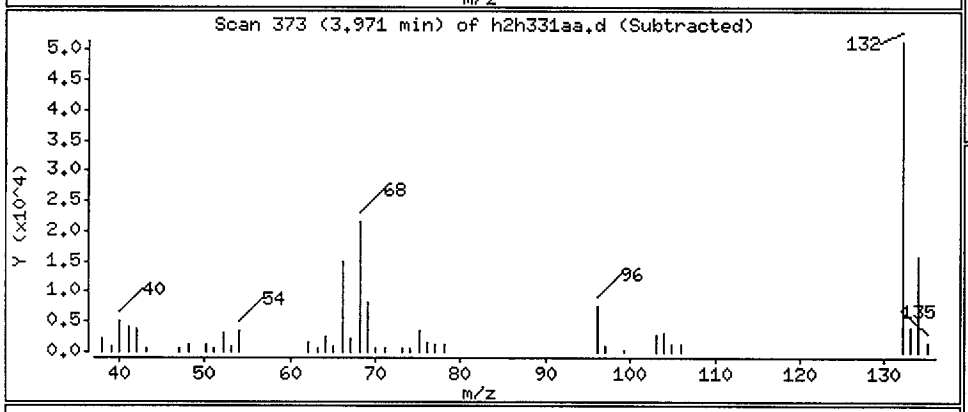
Column phase: ZB-5

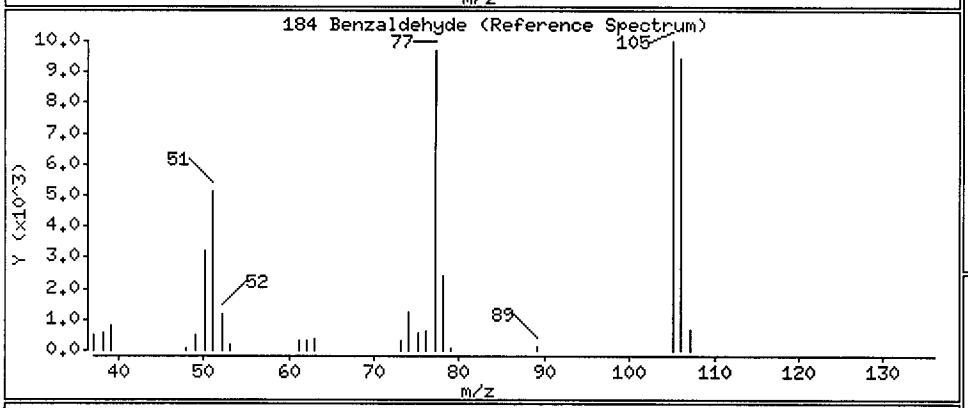
Column diameter: 0.25

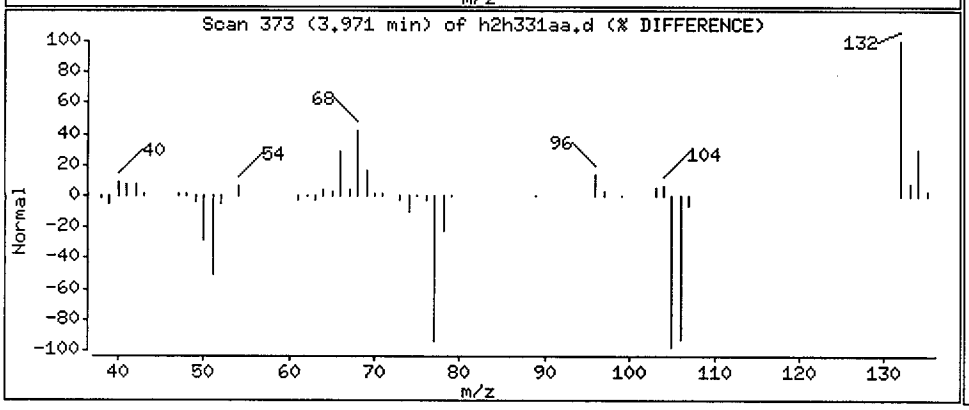
184 Benzaldehyde

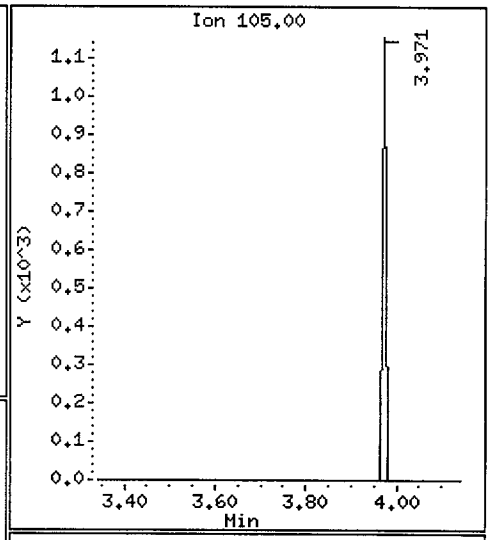
Concentration: 0.196 ug

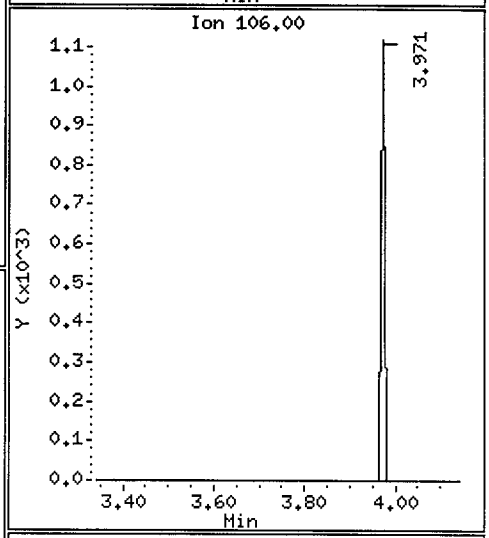


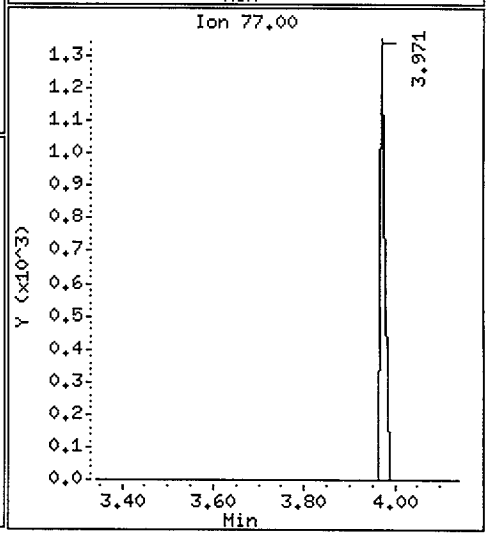












Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d

Date : 28-APR-2006 16:54

Client ID: A-5377 MEDIA CHECK

Instrument: md.i

Sample Info: H2H331AA,,0,,,,

Volume Injected (uL): 1.0

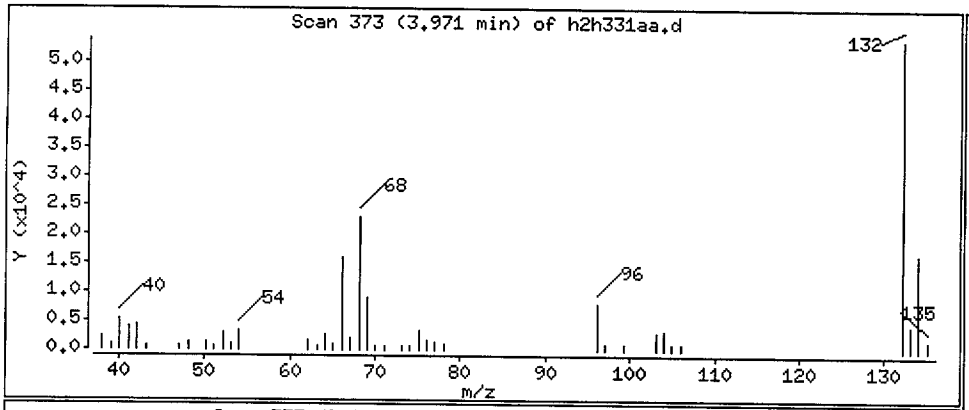
Operator: 60841

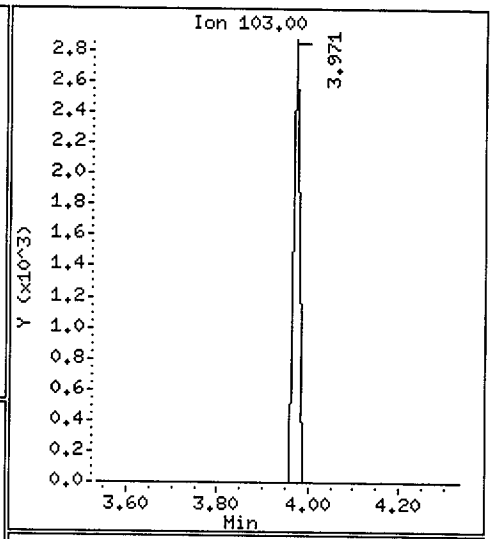
Column phase: ZB-5

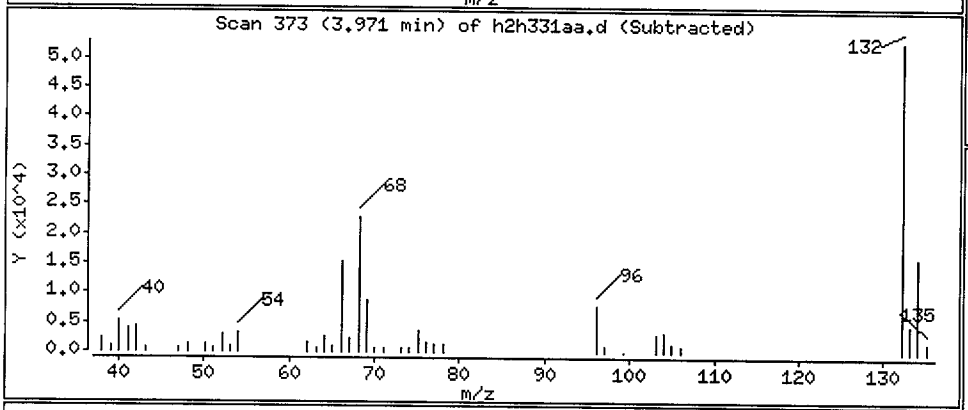
Column diameter: 0.25

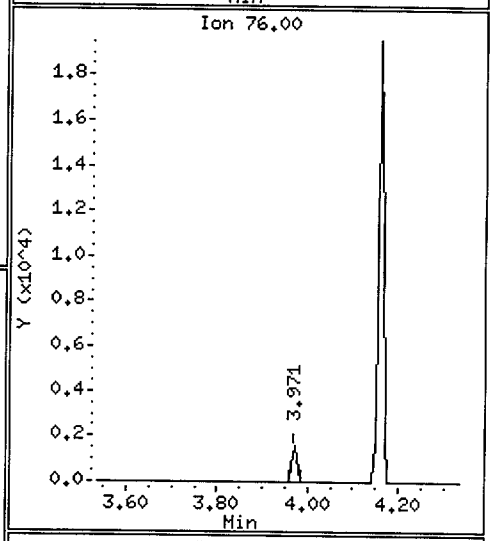
185 Benzonitrile

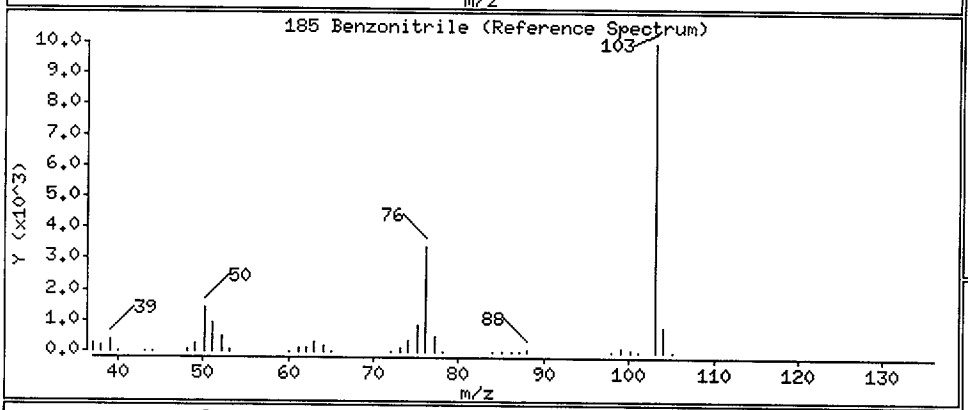
Concentration: 0.349 ug

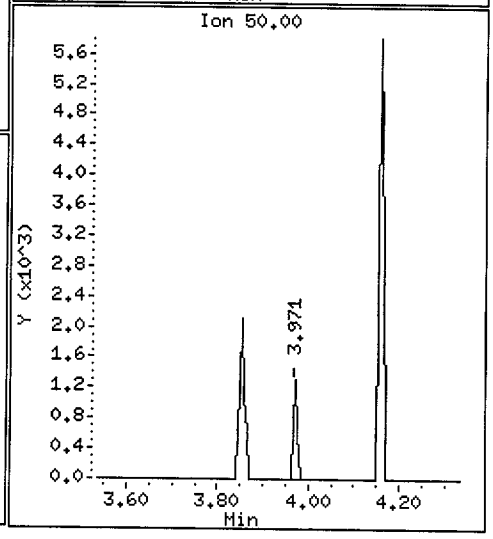


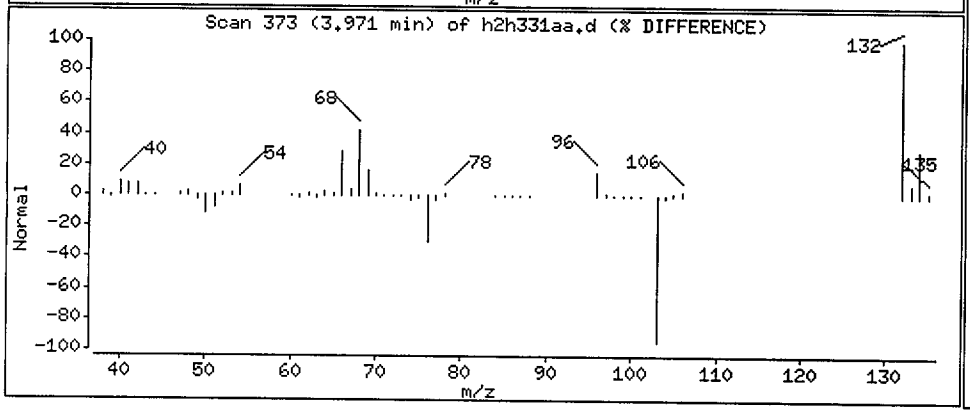












Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Report Date: 01-May-2006 14:17

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2h331aa.d
Lab Smp Id: H2H331AA Client Smp ID: A-5377 MEDIA CHECK
Inj Date : 28-APR-2006 16:54
Operator : 60841 Inst ID: md.i
Smp Info : H2H331AA,,0,,,,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:56 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	480778	20.000

	CONCENTRATIONS				QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7		
3.971	189439	7.88051866	7.88	27	NIST05.1	13697	1
1,2-Dichlorobenzene-D4					CAS #: 2199-69-1		
4.353	178086	7.40824247	7.41	97	NIST05.1	23149	1

Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d

Date : 28-APR-2006 16:54

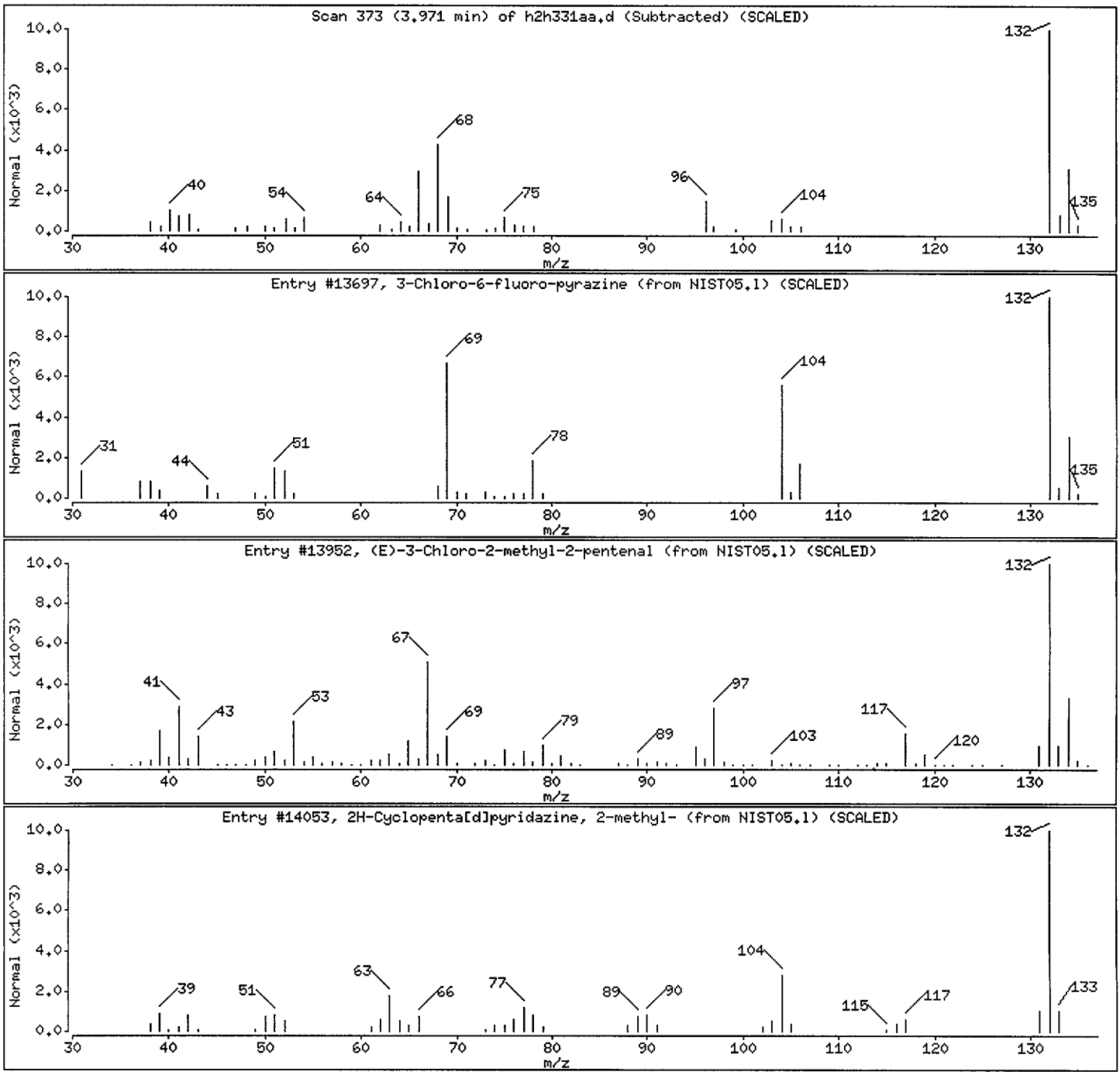
Client ID: A-5377 MEDIA CHECK | Instrument: md.i

Sample Info: H2H331AA,,0,,,,

Volume Injected (uL): 1.0 | Operator: 60841

Column phase: ZB-5 | Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	27	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	17	C6H9ClO	132
2H-Cyclopenta[d]pyridazine, 2-methyl-	22291-85-6	NIST05.1	14053	12	C8H8N2	132



Data File: /var/chem/gcms/md.i/D042806.b/h2h331aa.d

Date : 28-APR-2006 16:54

Client ID: A-5377 MEDIA CHECK

Instrument: md.i

Sample Info: H2H331AA,,0,,,,

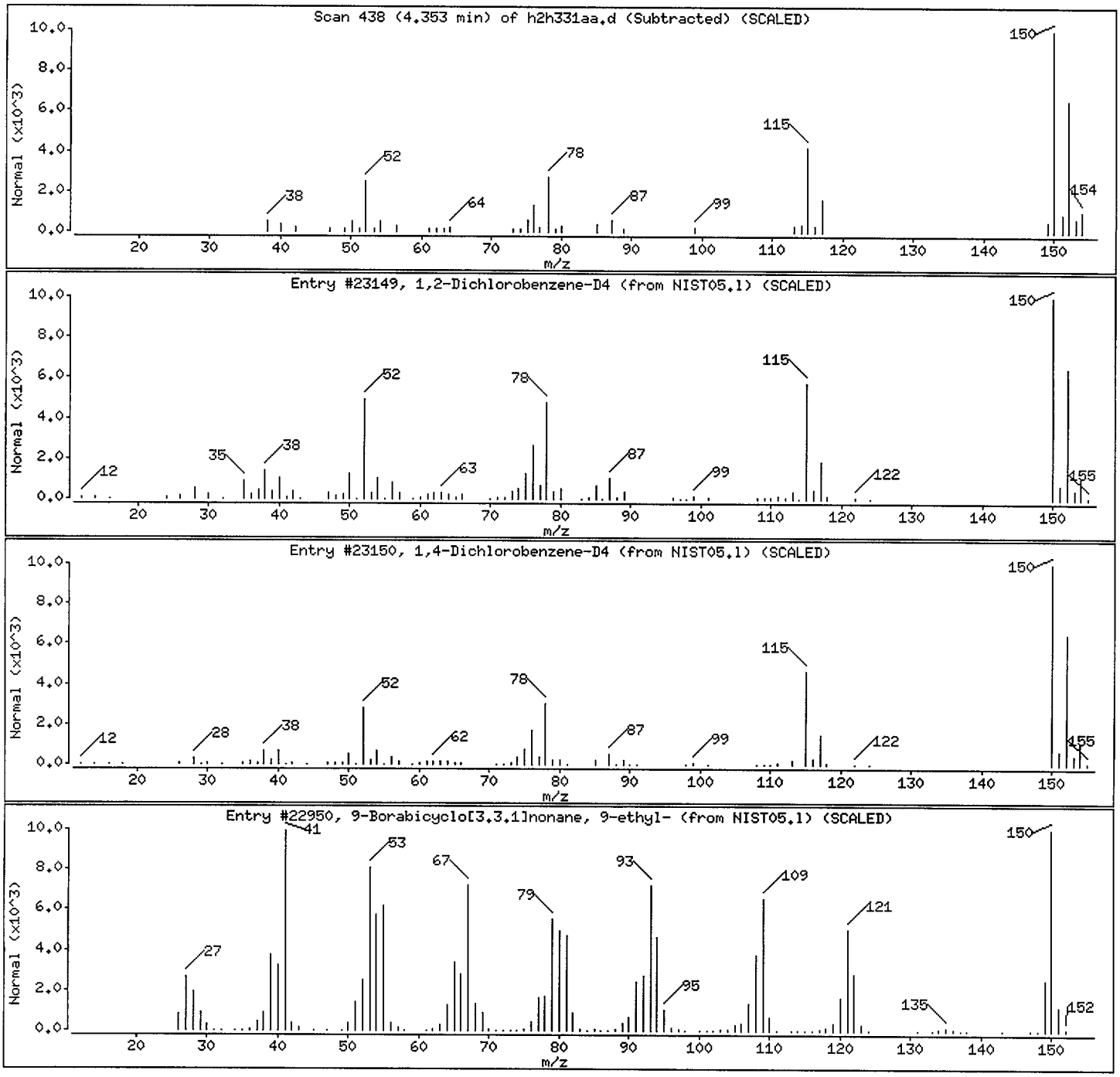
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.l	23149	97	C6D4Cl2	150
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.l	23150	96	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.l	22950	38	C10H19B	150



Standards Data

STL Knoxville Semivolatile GC/MS Initial Calibration Data Review / Narrative Checklist
Method 8270C - KNOX-MS-0016, Rev 6 and Method TO-13A Mod – KNOX-MS-0017, Rev 1

Analysis Date:	2/17/06	Instrument:	MD	ICAL Batch/Scan Name:	D021706 I	Scanned ☐

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ☐
1. Did DFTPP meet tune criteria?		✓			✓
2. Was DDT breakdown ≤20% & benzidine tailing ≤3 and PCP tailing ≤5?		✓			✓
3. Were all standards injected within 12 hr of DFTPP?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
5. Were ≥ 5 levels of each compound/surrogate analyzed?		✓			✓
6. Was low level standard at or below RL?		✓			✓
7. Was the primary ion used for all compounds?		✓		☐ Secondary ion used due to interferences for:	✓
8. Are the average RFs for SPCCs ≥ 0.050? (8270C)		✓			✓
9. Do the RRFs meet minimum criteria? (TO-13A Mod)		✓			✓
10. Are %RSD ≤30% for CCCs? (8270C)		✓			✓
11. Are %RSD≤ 30% for all target analytes? (TO-13A Mod)		✓			✓
12. Was a linear fit or quadratic fit used for analytes >15% RSD?		✓			✓
13. If curves were used, is correlation coefficient ≥0.990?		✓			✓
14. At least 6 consecutive points used for quadratic curves?	✓				MJ
15. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	✓				MJ
16. Is the "Y" intercept less than ½ the RL for each curve?		✓			✓
17. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	MJ
18. Were all peaks identified automatically? *If not, list analytes:*		✓			
19. Are ICAL start and end dates/times correct on ICAL summary?					✓
20. Elution order checked on isomeric pairs?					
• 1,4-dichlorobenzene-d4 / 1,2-dichlorobenzene-d4		✓			✓
• aniline / bis(2-chloroethyl)ether		✓			✓
• 1,3- , 1,4- , 1,2-dichlorobenzene		✓			✓
• benzyl alcohol / 2-methylphenol / 4-methylphenol		✓			✓
• 2,4,6- and 2,4,5-trichlorophenol		✓			✓
• phenanthrene / anthracene		✓			✓
• fluoranthene / pyrene		✓			✓
• benzo(a)anthracene / chrysene		✓			✓
• bis(2-ethylhexyl)/di-n-octyl phthalate		✓			✓
• benzo(b)fluoranthene / benzo(k)fluoranthene		✓			✓
• indeno(1,2,3-cd)pyrene / benzo(g,h,i)perylene		✓			✓
• safrole/1-chloronaphthalene/2- chloronaphthalene	✓				MJ
• 1-/2-naphthylamine	✓				MJ
21. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓			NCM #:	MJ
22. Does the ICAL folder contain **complete** data in the following order? Data review checklist, tune pass/fail page, m/z list, tune chromatogram, ICAL summary, curves, followed by Quant reports, chromatograms and manual integrations, in order from low to high standard.		✓			✓
23. Was the 2nd source calibration verification standard within ± 30% recovery and are results in ICAL folder?(25%DOD)		✓			✓

Analyst: KRM	Date: 2/17/06	2nd Level Reviewer : [illegible]	Date: 02/20/06
Comments: 8270 curve added to AQ on 2/17/06.		Comments:	

STL Knoxville Semivolatile GC/MS Initial Calibration Data Review / Narrative Checklist
Method 8270C - KNOX-MS-0016, Rev 6 and Method TO-13A Mod – KNOX-MS-0017, Rev 1

Analysis Date:	3/9/06	Instrument:	MD	ICAL Batch/Scan Name:	D030906I	Scanned ☐

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ☐
1. Did DFTPP meet tune criteria?		✓			✓
2. Was DDT breakdown ≤20% & benzidine tailing ≤3 and PCP tailing ≤5?		✓			✓
3. Were all standards injected within 12 hr of DFTPP?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
5. Were ≥ 5 levels of each compound/surrogate analyzed?		✓			✓
6. Was low level standard at or below RL?		✓			✓
7. Was the primary ion used for all compounds?		✓		☐ Secondary ion used due to interferences for:	✓
8. Are the average RFs for SPCCs ≥ 0.050? (8270C)		✓			✓
9. Do the RRFs meet minimum criteria? (TO-13A Mod)		✓			✓
10. Are %RSD ≤30% for CCCs? (8270C)		✓			✓
11. Are %RSD≤ 30% for all target analytes? (TO-13A Mod)		✓			✓
12. Was a linear fit or quadratic fit used for analytes >15% RSD?		✓			✓
13. If curves were used, is correlation coefficient ≥0.990?		✓			✓
14. At least 6 consecutive points used for quadratic curves?	✓				NA
15. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	✓				NA
16. Is the "Y" intercept less than ½ the RL for each curve?		✓			✓
17. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
18. Were all peaks identified automatically? *If not, list analytes:*		✓			✓
19. Are ICAL start and end dates/times correct on ICAL summary?		✓			✓
20. Elution order checked on isomeric pairs?					
• 1,4-dichlorobenzene-d4 / 1,2-dichlorobenzene-d4		✓			✓
• aniline / bis(2-chloroethyl)ether		✓			✓
• 1,3- , 1,4- , 1,2-dichlorobenzene		✓			✓
• benzyl alcohol / 2-methylphenol / 4-methylphenol		✓			✓
• 2,4,6- and 2,4,5-trichlorophenol		✓			✓
• phenanthrene / anthracene		✓			✓
• fluoranthene / pyrene		✓			✓
• benzo(a)anthracene / chrysene		✓			✓
• bis(2-ethylhexyl)/di-n-octyl phthalate		✓			✓
• benzo(b)fluoranthene / benzo(k)fluoranthene		✓			✓
• indeno(1,2,3-cd)pyrene / benzo(g,h,i)perylene		✓			✓
• safrole/1-chloronaphthalene/2- chloronaphthalene		✓			✓
• 1-/2-naphthylamine		✓			✓
21. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓			NCM #:	NA
22. Does the ICAL folder contain **complete** data in the following order? Data review checklist, tune pass/fail page, m/z list, tune chromatogram, ICAL summary, curves, followed by Quant reports, chromatograms and manual integrations, in order from low to high standard.		✓			✓
23. Was the 2nd source calibration verification standard within ± 30% recovery and are results in ICAL folder?(25%DOD)		✓			✓

Analyst: KRM	Date: 3/9/06	2nd Level Reviewer : [signature]	Date: 03/10/06
Comments: A9 Curve added 3/9/06		Comments:	

STL Knoxville Semivolatile GC/MS Initial Calibration Data Review / Narrative Checklist
Method 8270C - KNOX-MS-0016, Rev 6 and Method TO-13A Mod – KNOX-MS-0017, Rev 1

Analysis Date:	4/27/06	Instrument:	MD	ICAL Batch/Scan Name:	0042706I	Scanned ☐

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ☐
1. Did DFTPP meet tune criteria?		✓			✓
2. Was DDT breakdown ≤20% & benzidine tailing ≤3 and PCP tailing ≤5?		✓			✓
3. Were all standards injected within 12 hr of DFTPP?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
5. Were ≥ 5 levels of each compound/surrogate analyzed?		✓			✓
6. Was low level standard at or below RL?		✓			✓
7. Was the primary ion used for all compounds?		✓		☐ Secondary ion used due to interferences for:	✓
8. Are the average RFs for SPCCs ≥ 0.050? (8270C)		✓			✓
9. Do the RRFs meet minimum criteria? (TO-13A Mod)		✓			✓
10. Are %RSD ≤30% for CCCs? (8270C)		✓			✓
11. Are %RSD≤ 30% for all target analytes? (TO-13A Mod)		✓			✓
12. Was a linear fit or quadratic fit used for analytes >15% RSD?		✓			✓
13. If curves were used, is correlation coefficient ≥0.990?		✓			✓
14. At least 6 consecutive points used for quadratic curves?	✓				NA
15. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	✓				NA
16. Is the "Y" intercept less than ½ the RL for each curve?		✓			✓
17. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
18. Were all peaks identified automatically? *If not, list analytes:*		✓			✓
19. Are ICAL start and end dates/times correct on ICAL summary?		✓			✓
20. Elution order checked on isomeric pairs?	✓	✓			
• 1,4-dichlorobenzene-d4 / 1,2-dichlorobenzene-d4					NA
• aniline / bis(2-chloroethyl)ether	✓	✓			NA
• 1,3- , 1,4- , 1,2-dichlorobenzene	✓	✓			NA
• benzyl alcohol / 2-methylphenol / 4-methylphenol	✓	✓			NA
• 2,4,6- and 2,4,5-trichlorophenol	✓	✓			NA
• phenanthrene / anthracene	✓	✓			NA
• fluoranthene / pyrene	✓	✓			NA
• benzo(a)anthracene / chrysene	✓	✓			NA
• bis(2-ethylhexyl)/di-n-octyl phthalate	✓	✓			NA
• benzo(b)fluoranthene / benzo(k)fluoranthene	✓	✓			NA
• indeno(1,2,3-cd)pyrene / benzo(g,h,i)perylene	✓	✓			NA
• safrole/1-chloronaphthalene/2- chloronaphthalene	✓	✓			NA
• 1-/2-naphthylamine	✓	✓			NA
21. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓			NCM #:	NA
22. Does the ICAL folder contain **complete** data in the following order? Data review checklist, tune pass/fail page, m/z list, tune chromatogram, ICAL summary, curves, followed by Quant reports, chromatograms and manual integrations, in order from low to high standard.		✓			✓
23. Was the 2nd source calibration verification standard within ± 30% recovery and are results in ICAL folder?(25%DOD)		✓			✓

Analyst: KRM	Date: 4/27/06	2nd Level Reviewer : [illegible]	Date: 04/27/06
Comments: Benzaldehyde, Benzonitrile added 4/27/06		Comments:	

STL Knoxville
Instrument MD Run/Maintenance Log

Preventive Maintenance Performed ☐ NA ☑ INJ **Date/Time Verified** ☑

Target Batch	D021706I			Date	2/17/06
ICAL Batch	1			Analyst	KRM
IS #1	(8270) 61529			Internal Std ID*	6M2252

* was added to all sample extracts at 3 ul per 300 ul unless noted. Instrument injection volume is 1 ul unless otherwise noted.

Lot	Filename	Time	Dil.	Matrix	Batch	Comments
Tune	DFDB17I	1103	–	EM2258A	–	
8270 ICAL	ICDB178	1114	–	EM2176A	–	200 8270.sb
	ICDB175	1137	–	EM2176B	–	120 8270dxnC13.sb
	ICDB174	1200	–	EM2176C	–	60
	ICDB173	1224	–	EM2176D	–	40
	ICDB172	1247	–	EM2176E	–	25
	ICDB171	1310	–	EM2176F	–	10
	ICDB177	1333	–	EM2176G	–	2 low sub
8270 2nd Source	ICVDB17	1357	–	EM2272	–	60 8270dxnC13.sub
BLK	HXJTN1AA	1420	–	Soil	6047071	8270.sub
LCS	HXJTN1AC	1443	–			
H6B160102	HXJRR1AC	1506	–			
	HXJRV1AC	1530	–			
	HXJRW1AC	1553	–			
	HXJRT1AC	1616	1/5			
MS	HXJRR1AD	1640	–			
MSD	HXJRR1AE	1703	–			
–	Inst BLK1	1726	–	–	–	–
BLK	HXMJ61AA	1749	–	Soil	6048211	8270.sub
LCS	HXMJ61AC	1812	–			
H6B170142	HXMHP1AC	1835	–			
	HXMHQ1AC	1858	1/3			elevs
	HXMJA1AC	1921	–			
	HXMJH1AC	1944	–			
MS	HXMHP1AD	2007	–			
MSD	HXMHP1AE	2030	–			
–	Inst BLK 2	2053	–	–	–	–

2/18/06

Comments:

STL Knoxville
Instrument MD Run/Maintenance Log

Preventive Maintenance Performed ☐ NA ☑ INT / GOLD SEAL **Date/Time Verified** ☑

Target Batch	D030906 I			Date	3/9/06
ICAL Batch	D030906 I			Analyst	KRM
IS #1	(A9) 50110			Internal Std ID*	EM2276

* was added to all sample extracts at 3 ul per 300 ul unless noted. Instrument injection volume is 1 ul unless otherwise noted.

Lot	Filename	Time	Dil.	Matrix	Batch	Comments
Tune	DFDC09I	1247	–	EM2258A	–	
A9 ICAL	A9DC098	1259	–	EM2199A	–	200 appdx9.sub
	A9DC095	1323	–	EM2199B	–	120
	A9DC094	1347	–	EM2199C	–	60
	A9DC093	1411	–	EM2199D	–	40
	A9DC092	1436	–	EM2199E	–	25
	A9DC091	1500	–	EM2199F	–	10
2nd Source	A9VDC09	1524	–	EM2237	–	60

KRM 3/9/06

Comments:

STL Knoxville
Instrument MD Run/Maintenance Log

Preventive Maintenance Performed ☐ NA ☑ INS **Date/Time Verified** ☑

Target Batch	0042706I			Date	4/27/06
ICAL Batch	0030906I			Analyst	KAM
IS #1				Internal Std ID*	EM2291

* was added to all sample extracts at 3 ul per 300 ul unless noted. Instrument injection volume is 1 ul unless otherwise noted.

Lot	Filename	Time	Dil.	Matrix	Batch	Comments
Tune	DF0027I	1251	–	EM2258B	–	
Benz ICAL	BB00278	1302	–	EM2298A	–	benz. sub 200
	BB00275	1326	–	EM2298B	–	120
	BB00274	1349	–	EM2298C	–	60
	BB00273	1413	–	EM2298D	–	40
	BB00272	1436	–	EM2298E	–	25
	BB00271	1500	–	EM2298F	–	10
2nd Source	BBV0027	1523	–	EM2300	–	60

KAM 4/27/06

Comments:

Data File: /chem/gcms/md.i/D021706I.b/dfdb17i.d

Date : 17-FEB-2006 11:03

Client ID: Tune

Instrument: md.i

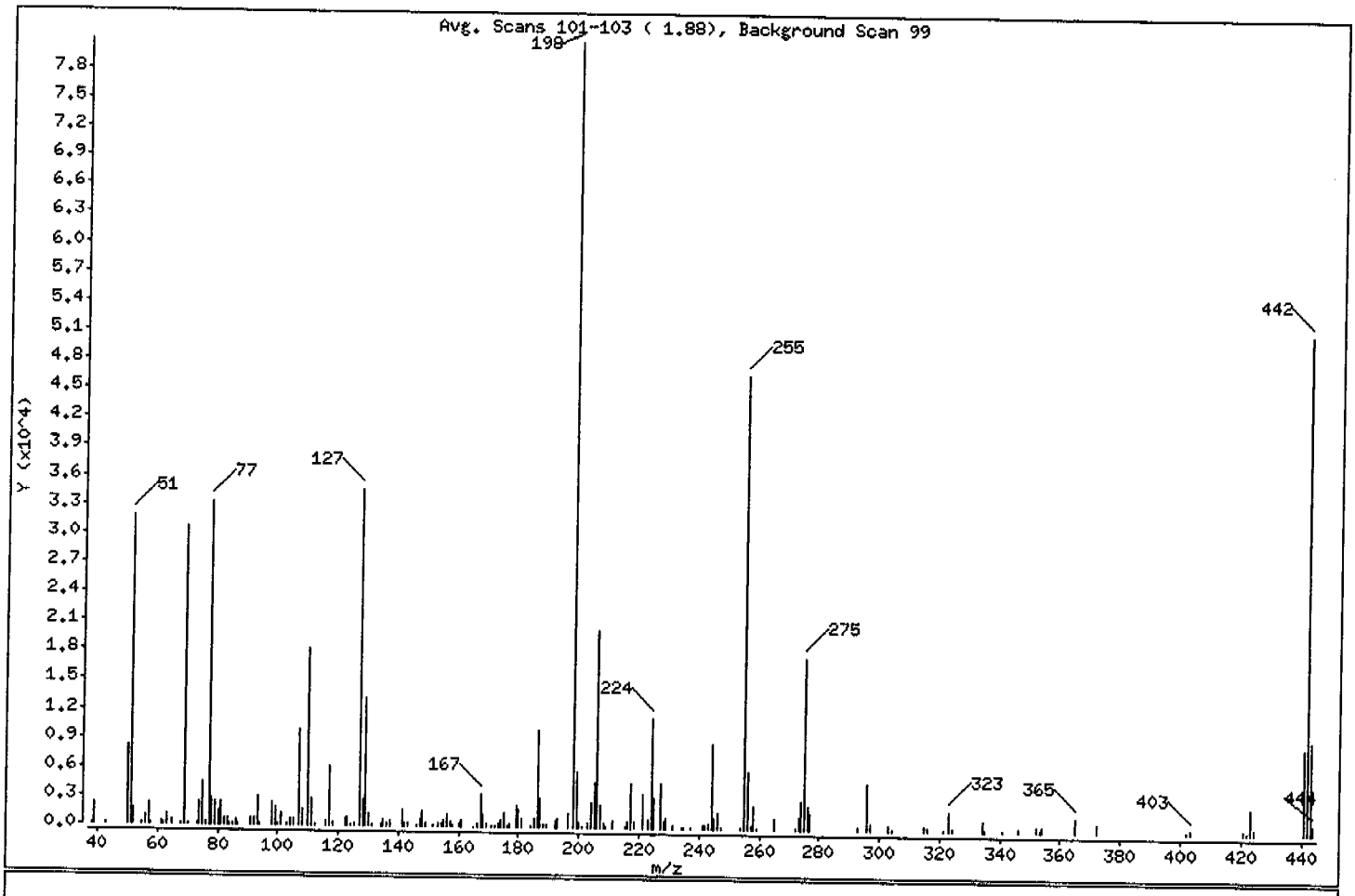
Sample Info: DFDB17I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.38
68	Less than 1.99% of mass 69	0.23 (0.60)
69	Present, but less than mass 198	37.91
70	Less than 1.99% of mass 69	0.24 (0.63)
127	40.00 - 60.00% of mass 198	42.70
197	Less than 0.99% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	21.88
365	1.01 - 100.00% of mass 198	1.86
441	Present, but less than mass 443	10.81
442	40.01 - 110.00% of mass 198	63.37
443	17.00 - 23.00% of mass 442	11.63 (18.35)

Data File: /chem/gcms/md.i/D021706I.b/dfdb17i.d

Date : 17-FEB-2006 11:03

Client ID: Tune

Instrument: md.i

Sample Info: DFDB17I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdb17i.d

Spectrum: Avg. Scans 101-103 (1.88), Background Scan 99

Location of Maximum: 198.00

Number of points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	206	111.00	2714	179.00	2145	254.00	171
39.00	2246	112.00	194	180.00	1823	255.00	46704
43.00	204	116.00	569	181.00	864	256.00	6035
50.00	8102	117.00	6104	184.00	212	257.00	425
51.00	31880	118.00	324	185.00	973	258.00	2488
52.00	1640	122.00	715	186.00	10102	259.00	206
55.00	210	123.00	871	187.00	2894	265.00	1194
56.00	928	124.00	187	188.00	414	272.00	246
57.00	2304	125.00	308	189.00	396	273.00	1362
58.00	195	127.00	34568	192.00	728	274.00	2937
61.00	385	128.00	2760	193.00	948	275.00	17712
62.00	259	129.00	13237	196.00	1555	276.00	2331
63.00	1084	130.00	1283	198.00	80960	277.00	1590
65.00	559	131.00	232	199.00	5794	293.00	284
68.00	184	134.00	230	200.00	540	296.00	4924
69.00	30688	135.00	715	201.00	240	297.00	660
70.00	193	136.00	354	203.00	470	303.00	550
73.00	209	137.00	625	204.00	2585	304.00	171
74.00	2480	141.00	1629	205.00	4674	315.00	548
75.00	4389	142.00	445	206.00	20264	316.00	451
76.00	446	143.00	282	207.00	2472	321.00	198
77.00	33288	146.00	224	208.00	579	323.00	1978
78.00	2751	147.00	796	209.00	184	324.00	373
79.00	2453	148.00	1615	211.00	755	334.00	1144
80.00	1405	149.00	332	215.00	240	335.00	170
81.00	2359	151.00	229	216.00	728	341.00	200
82.00	796	153.00	294	217.00	4670	346.00	457
83.00	731	154.00	301	218.00	777	352.00	511
84.00	179	155.00	724	221.00	3552	353.00	239
85.00	169	156.00	1302	223.00	983	354.00	613
86.00	574	157.00	525	224.00	11363	365.00	1503
87.00	261	158.00	224	225.00	3108	372.00	1016
91.00	740	160.00	317	227.00	4671	402.00	190
92.00	792	161.00	814	228.00	783	403.00	407
93.00	3032	165.00	58	229.00	1089	421.00	387

Data File: /chem/gcms/md.i/D021706I.b/dfdb17i.d

Date : 17-FEB-2006 11:03

Client ID: Tune

Instrument: md.i

Sample Info: DFDB17I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdb17i.d

Spectrum: Avg. Scans 101-103 (1.88), Background Scan 99

Location of Maximum: 198.00

Number of points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	173	166.00	369	231.00	384	422.00	220
98.00	2466	167.00	3390	234.00	190	423.00	2549
99.00	1886	168.00	1307	235.00	259	424.00	473
100.00	218	169.00	369	237.00	202	441.00	8756
101.00	1260	171.00	178	241.00	436	442.00	51304
103.00	275	172.00	277	242.00	388	443.00	9413
104.00	660	173.00	362	243.00	646	444.00	976
105.00	778	174.00	752	244.00	8675		
107.00	9888	175.00	1398	245.00	1166		
108.00	1753	176.00	221	246.00	1752		
110.00	18216	177.00	373	247.00	253		

Data File: /chem/gcms/md.i/D021706I.b/dfdb17i.d

Date : 17-FEB-2006 11:03

Client ID: Tune

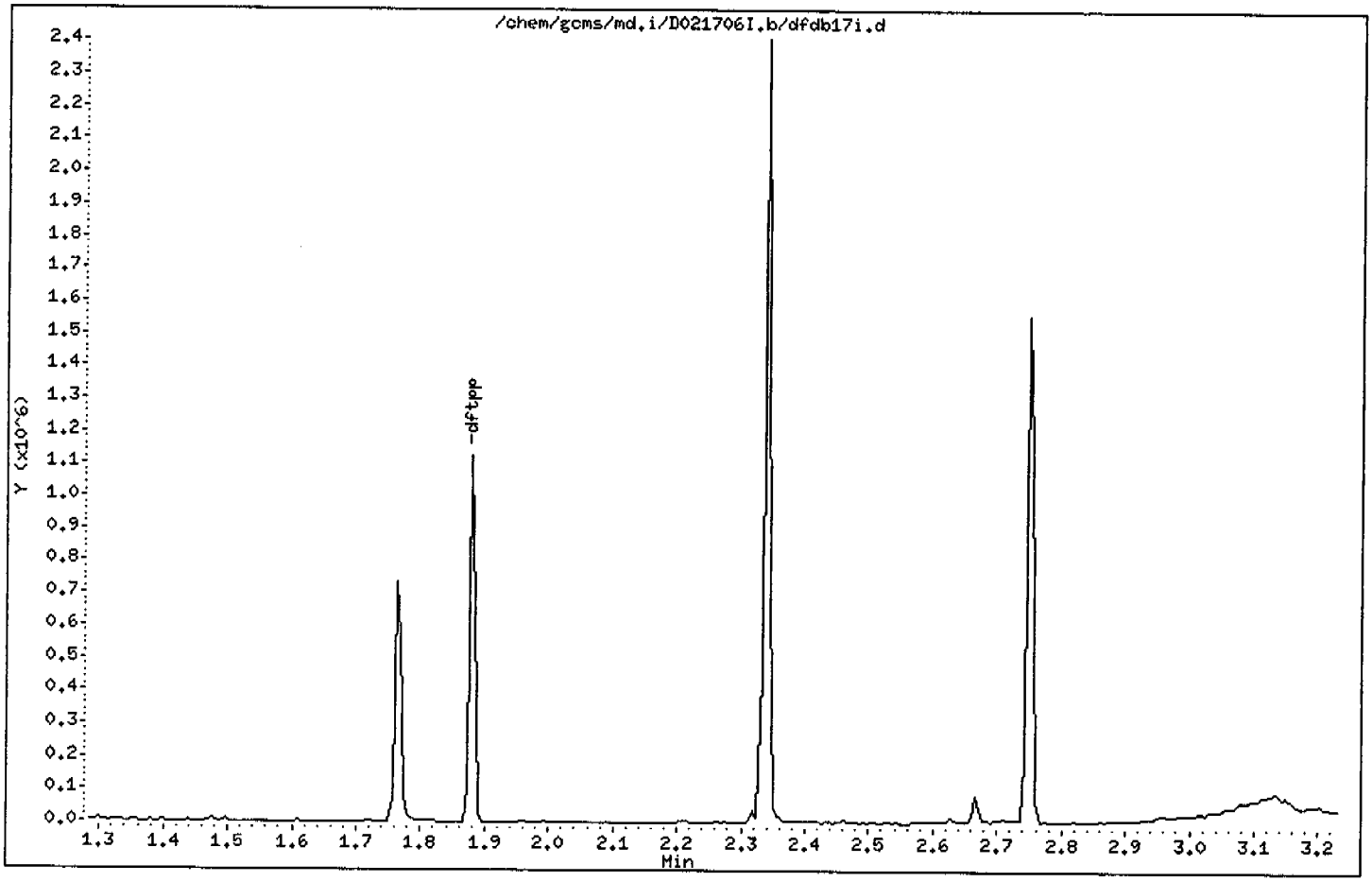
Instrument: md.i

Sample Info: DFDB17I,,3,,DFTPP,

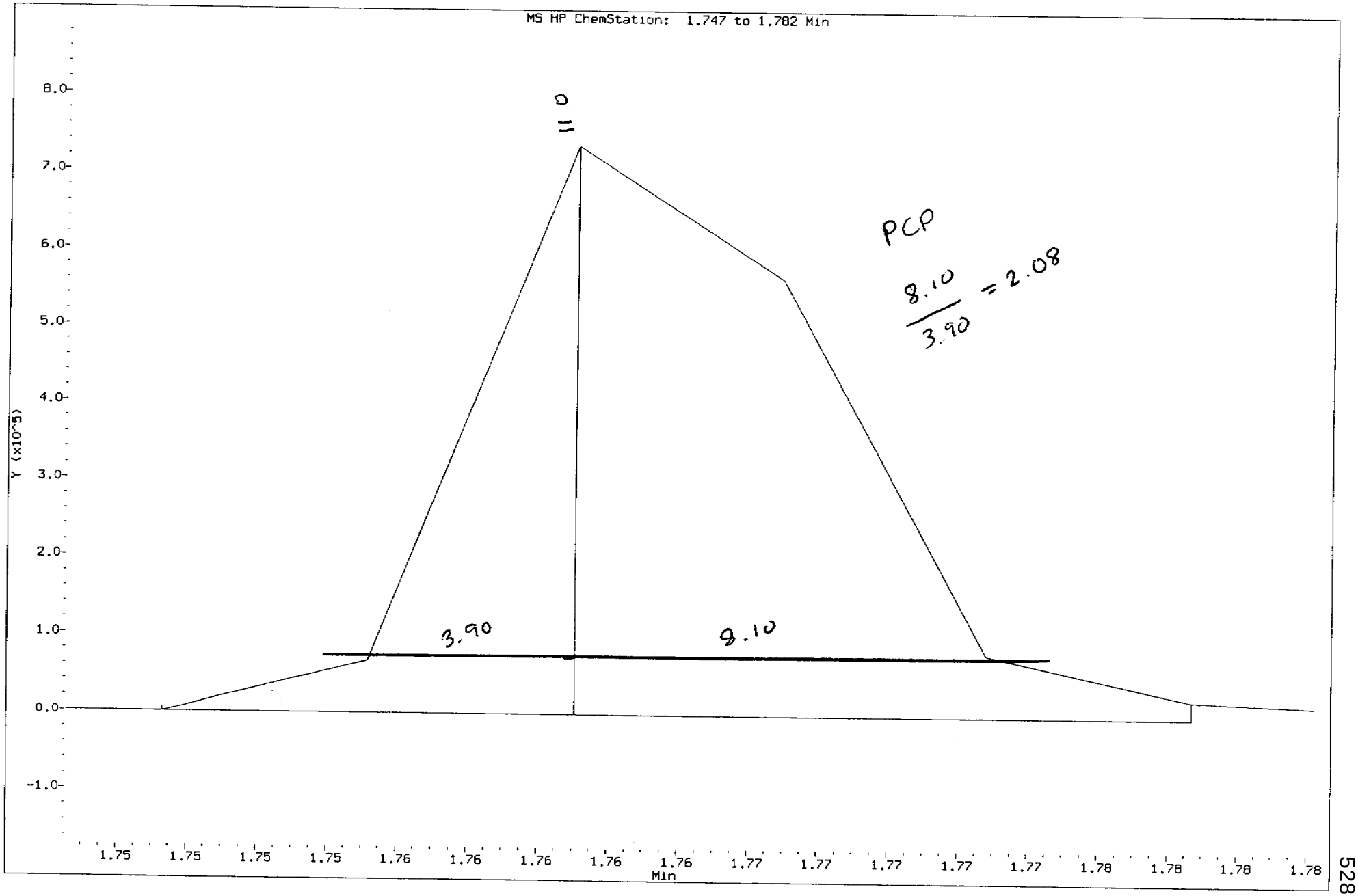
Operator: 60841

Column phase: ZB-5

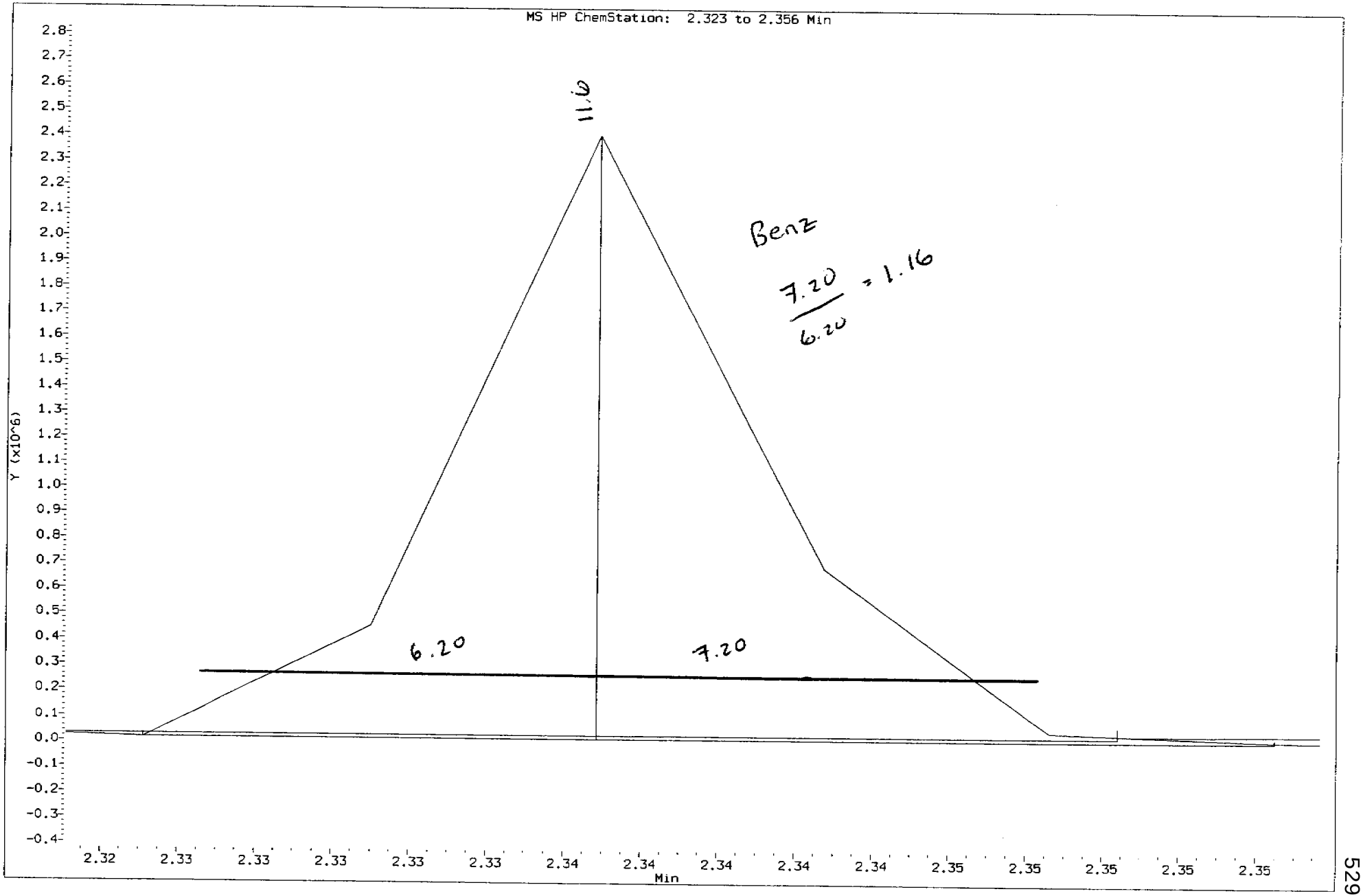
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/dfdb17i.d
Injection Date: 17-FEB-2006 11:03
Instrument: md.i
Client Sample ID: Tune



Data File: /var/chem/gcms/md.i/D021706I.b/dfdb17i.d
Injection Date: 17-FEB-2006 11:03
Instrument: md.i
Client Sample ID: Tune



Data File: /chem/gcms/md.i/D030906I.b/dfdc09i.d

Date : 09-MAR-2006 12:47

Client ID: Tune

Instrument: md.i

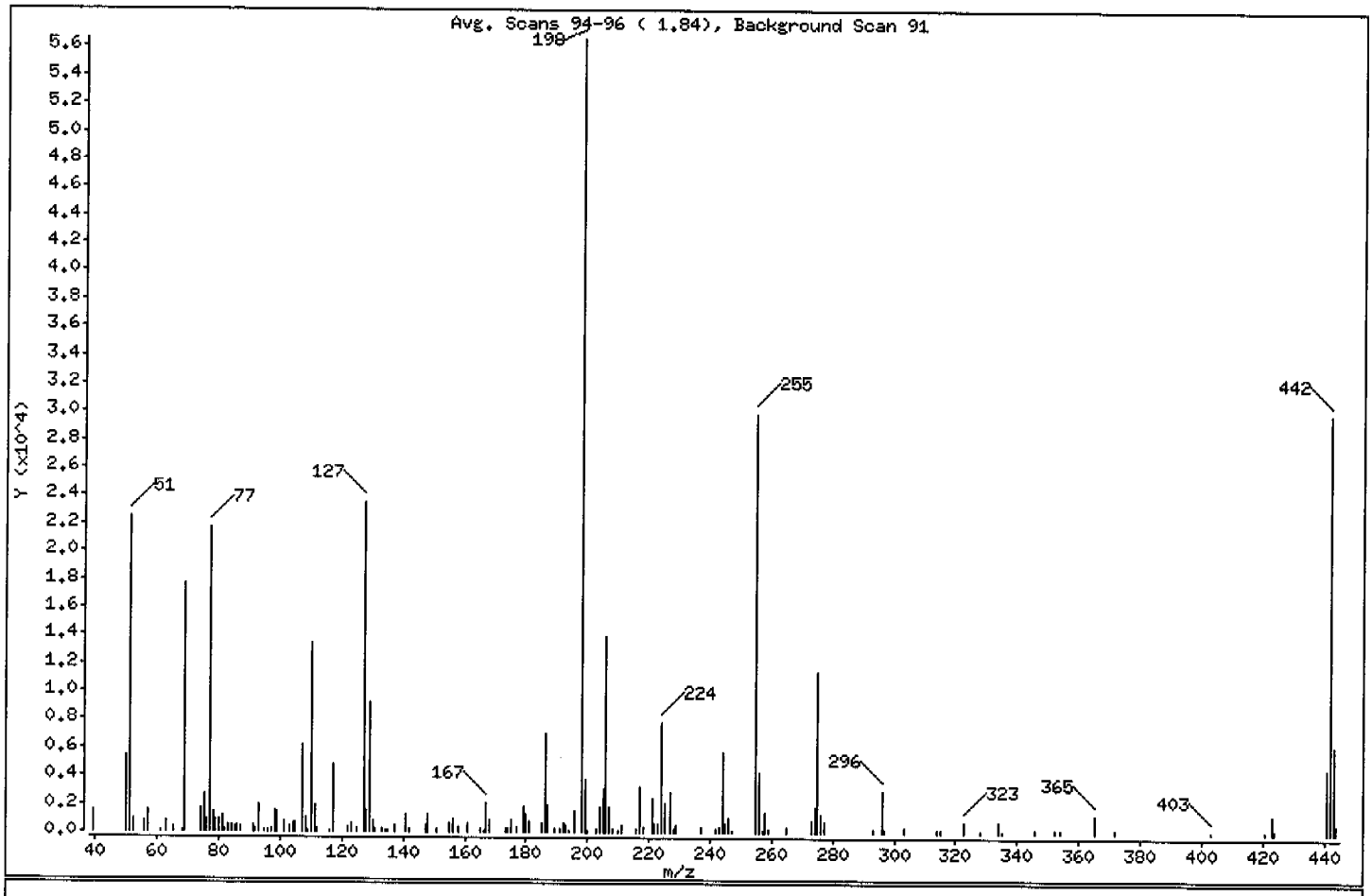
Sample Info: DFDC09I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.74
68	Less than 1.99% of mass 69	0.34 (1.09)
69	Present, but less than mass 198	31.33
70	Less than 1.99% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	41.69
197	Less than 0.99% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	20.20
365	1.01 - 100.00% of mass 198	2.20
441	Present, but less than mass 443	7.96
442	40.01 - 110.00% of mass 198	52.77
443	17.00 - 23.00% of mass 442	10.96 (20.78)

Data File: /chem/gcms/md.i/D030906I.b/dfdc09i.d

Date : 09-MAR-2006 12:47

Client ID: Tune

Instrument: md.i

Sample Info: DFDC09I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdc09i.d

Spectrum: Avg. Scans 94-96 (1.84), Background Scan 91

Location of Maximum: 198.00

Number of points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1572	108.00	990	181.00	752	247.00	192
50.00	5409	109.00	188	185.00	609	255.00	29944
51.00	22488	110.00	13429	186.00	7022	256.00	4334
52.00	929	111.00	1897	187.00	1913	257.00	173
56.00	739	112.00	206	189.00	231	258.00	1478
57.00	1593	116.00	168	191.00	217	259.00	247
61.00	188	117.00	4762	192.00	676	265.00	405
63.00	754	122.00	404	193.00	531	273.00	888
65.00	441	123.00	713	194.00	188	274.00	1866
68.00	193	125.00	203	196.00	1597	275.00	11432
69.00	17728	127.00	23592	198.00	56584	276.00	1250
74.00	1702	128.00	1575	199.00	3832	277.00	748
75.00	2794	129.00	9185	200.00	174	293.00	216
76.00	933	130.00	746	203.00	202	296.00	3000
77.00	21776	131.00	197	204.00	1804	297.00	275
78.00	1401	133.00	200	205.00	3085	303.00	389
79.00	882	134.00	176	206.00	13971	314.00	197
80.00	967	135.00	135	207.00	1822	315.00	307
81.00	1231	137.00	480	208.00	240	323.00	820
82.00	282	141.00	1346	210.00	175	328.00	188
83.00	575	142.00	262	211.00	504	334.00	719
84.00	477	147.00	495	216.00	208	335.00	168
85.00	382	148.00	1271	217.00	3239	346.00	237
86.00	486	151.00	247	218.00	406	352.00	198
87.00	421	155.00	612	221.00	2465	354.00	223
91.00	520	156.00	854	222.00	652	365.00	1245
92.00	206	158.00	378	223.00	641	372.00	238
93.00	1996	161.00	643	224.00	7767	403.00	177
95.00	172	165.00	276	225.00	2030	421.00	193
96.00	174	166.00	180	227.00	2912	423.00	1346
97.00	222	167.00	2111	228.00	220	424.00	202
98.00	1513	168.00	970	229.00	557	441.00	4502
99.00	1369	173.00	263	237.00	389	442.00	29856
101.00	840	174.00	286	242.00	258	443.00	6204
103.00	436	175.00	904	243.00	417	444.00	616

Data File: /chem/gcms/md.i/D030906I.b/dfdc09i.d

Date : 09-MAR-2006 12:47

Client ID: Tune

Instrument: md.i

Sample Info: DFDC09I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdc09i.d

Spectrum: Avg. Scans 94-96 (1.84), Background Scan 91

Location of Maximum: 198.00

Number of points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	630	177.00	327	244.00	5748		
105.00	625	179.00	1791	245.00	643		
107.00	6249	180.00	1246	246.00	1030		

Data File: /chem/gcms/md.i/D030906I.b/dfdc09i.d

Date : 09-MAR-2006 12:47

Client ID: Tune

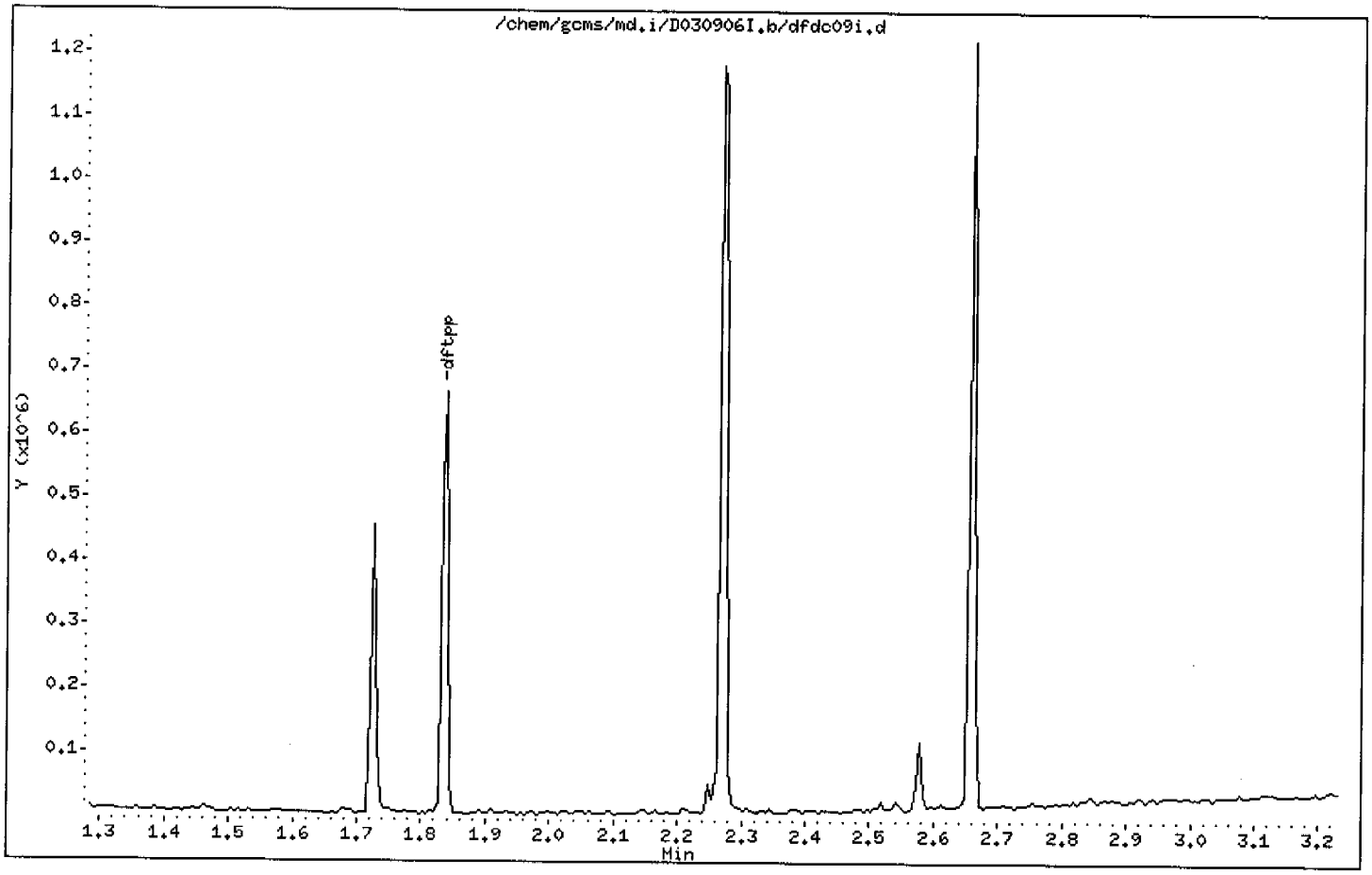
Instrument: md.i

Sample Info: DFDC09I,,3,,DFTPP,

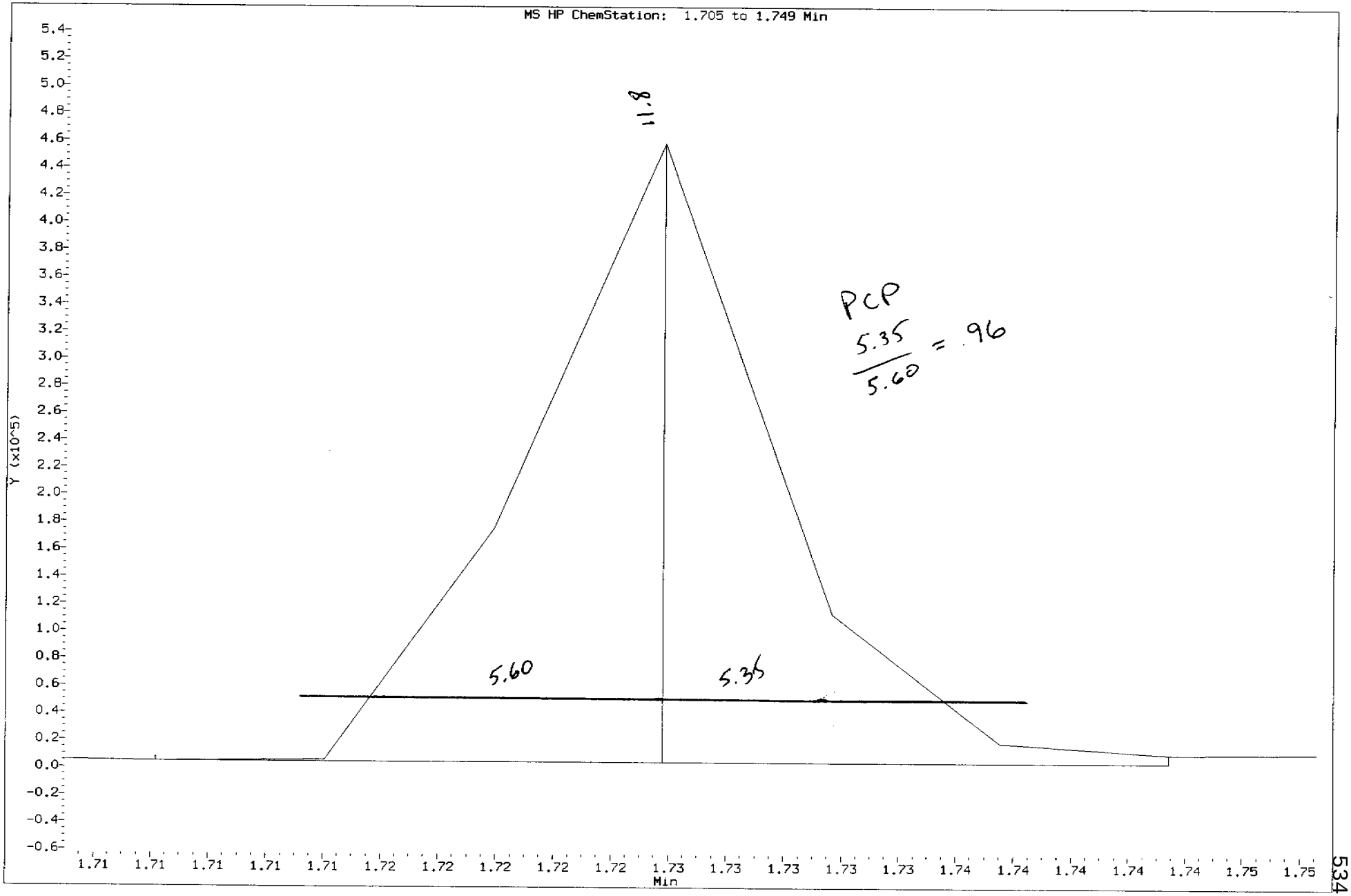
Operator: 60841

Column phase: ZB-5

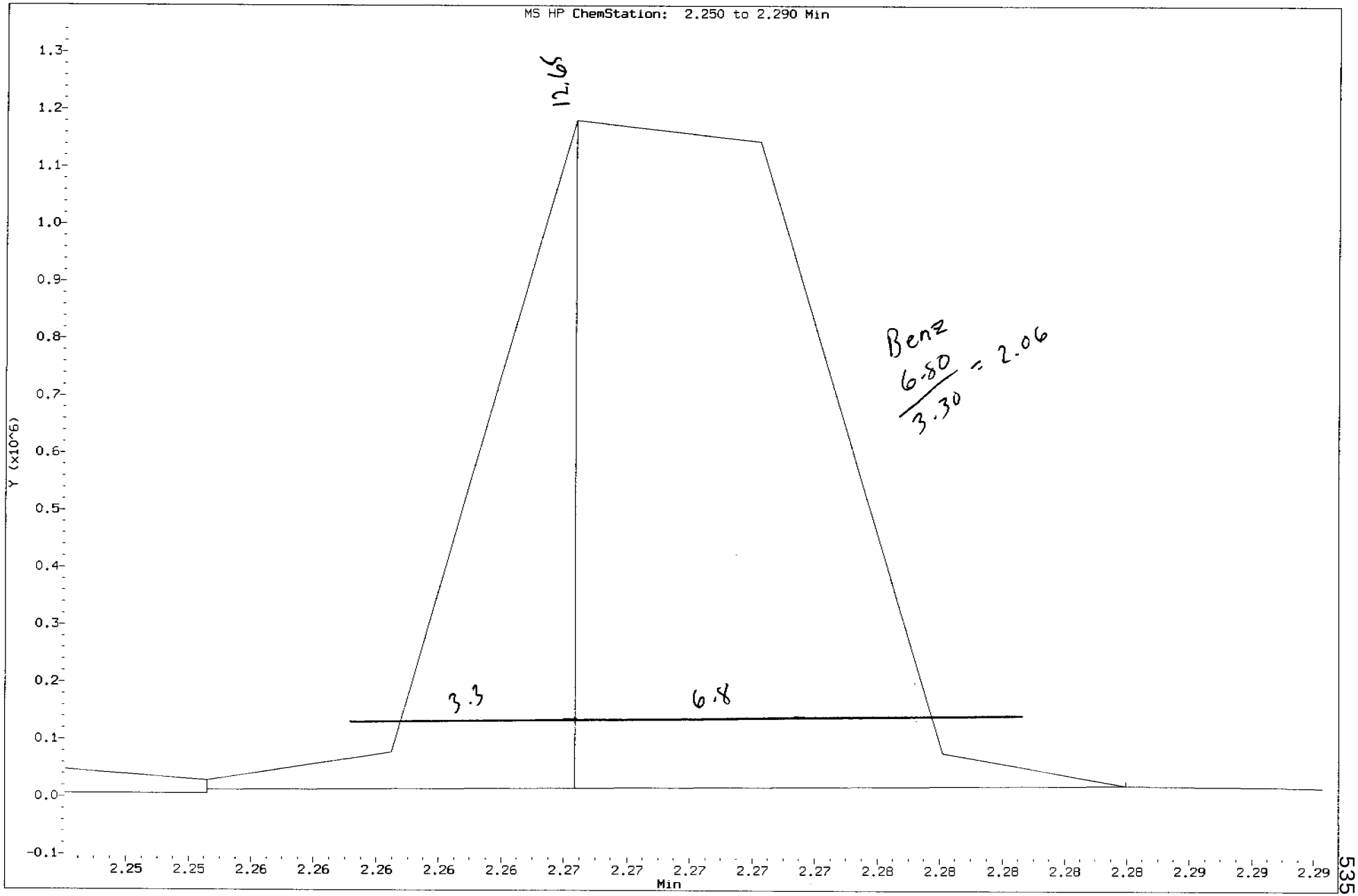
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/dfdc09i.d
Injection Date: 09-MAR-2006 12:47
Instrument: md.i
Client Sample ID: Tune



Data File: /var/chem/gcms/md.i/D030906I.b/dfdc09i.d
Injection Date: 09-MAR-2006 12:47
Instrument: md.i
Client Sample ID: Tune



Data File: /chem/gcms/md.i/D042706I.b/dfdd27i.d

Date : 27-APR-2006 12:51

Client ID: Tune

Instrument: md.i

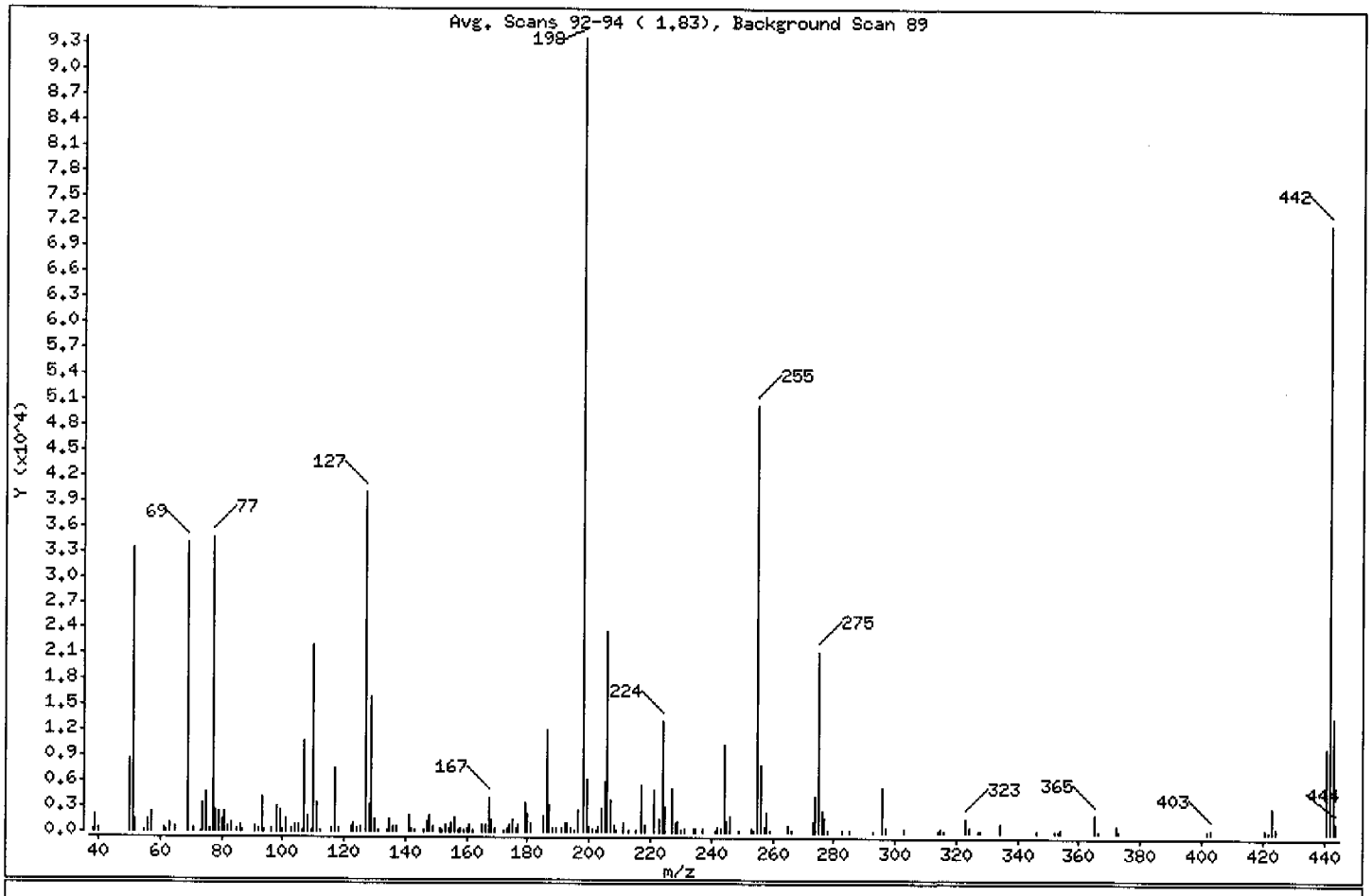
Sample Info: DFDD27I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.70
68	Less than 1.99% of mass 69	0.00 (0.00)
69	Present, but less than mass 198	36.22
70	Less than 1.99% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	42.68
197	Less than 0.99% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	22.87
365	1.01 - 100.00% of mass 198	2.34
441	Present, but less than mass 443	10.80
442	40.01 - 110.00% of mass 198	76.82
443	17.00 - 23.00% of mass 442	14.65 (19.07)

Data File: /chem/gcms/md.i/D042706I.b/dfdd27i.d

Date : 27-APR-2006 12:51

Client ID: Tune

Instrument: md.i

Sample Info: DFDD27I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdd27i.d

Spectrum: Avg. Scans 92-94 (1.83), Background Scan 89

Location of Maximum: 198.00

Number of points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	307	116.00	360	181.00	1068	253.00	397
39.00	1887	117.00	7584	185.00	1898	254.00	218
40.00	429	118.00	342	186.00	11981	255.00	50464
50.00	8513	122.00	749	187.00	3150	256.00	8069
51.00	33432	123.00	992	188.00	418	257.00	582
52.00	1462	124.00	373	189.00	496	258.00	2475
55.00	168	125.00	700	191.00	348	259.00	224
56.00	1406	127.00	39960	192.00	1005	265.00	942
57.00	2455	128.00	3291	193.00	1109	266.00	220
61.00	484	129.00	15894	194.00	341	273.00	1333
62.00	228	130.00	1484	195.00	309	274.00	4271
63.00	1125	131.00	280	196.00	2556	275.00	21416
65.00	609	134.00	319	198.00	93632	276.00	2672
69.00	33912	135.00	1513	199.00	6344	277.00	1669
71.00	388	136.00	739	200.00	654	278.00	216
73.00	66	137.00	731	201.00	334	283.00	192
74.00	3410	141.00	1945	202.00	271	285.00	217
75.00	4800	142.00	338	203.00	570	293.00	229
76.00	498	143.00	238	204.00	2811	296.00	5406
77.00	34688	146.00	229	205.00	5991	297.00	724
78.00	2498	147.00	1195	206.00	23704	303.00	325
79.00	2415	148.00	1834	207.00	3848	314.00	301
80.00	1606	149.00	677	208.00	844	315.00	376
81.00	2290	151.00	373	209.00	169	316.00	229
82.00	733	152.00	182	211.00	1063	323.00	1801
83.00	1115	153.00	817	213.00	250	324.00	612
85.00	492	154.00	396	215.00	236	327.00	295
86.00	758	155.00	991	217.00	5650	328.00	222
87.00	182	156.00	1706	218.00	798	334.00	1021
91.00	686	157.00	286	221.00	4854	346.00	174
92.00	525	158.00	343	223.00	1597	352.00	313
93.00	4081	159.00	267	224.00	13105	353.00	318
94.00	199	160.00	355	225.00	3030	354.00	452
96.00	431	161.00	829	227.00	5066	365.00	2195
98.00	2984	162.00	177	228.00	976	366.00	223

Data File: /chem/gcms/md.i/D042706I.b/dfdd27i.d

Date : 27-APR-2006 12:51

Client ID: Tune

Instrument: md.i

Sample Info: DFDD27I,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdd27i.d

Spectrum: Avg. Scans 92-94 (1.83), Background Scan 89

Location of Maximum: 198.00

Number of points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
99.00	2551	165.00	946	229.00	1190	372.00	938
100.00	167	166.00	895	230.00	198	373.00	287
101.00	1546	167.00	4151	231.00	362	402.00	263
103.00	513	168.00	1493	234.00	408	403.00	421
104.00	936	169.00	352	235.00	410	421.00	497
105.00	935	172.00	217	237.00	372	422.00	290
106.00	233	173.00	359	241.00	248	423.00	2989
107.00	10850	174.00	802	242.00	658	424.00	640
108.00	1995	175.00	1575	243.00	415	441.00	10110
109.00	180	176.00	497	244.00	10225	442.00	71920
110.00	21912	177.00	778	245.00	1294	443.00	13716
111.00	3545	179.00	3408	246.00	1915	444.00	1329
112.00	216	180.00	2139	249.00	292		

Data File: /chem/gcms/md.i/D042706I.b/dfdd27i.d

Date : 27-APR-2006 12:51

Client ID: Tune

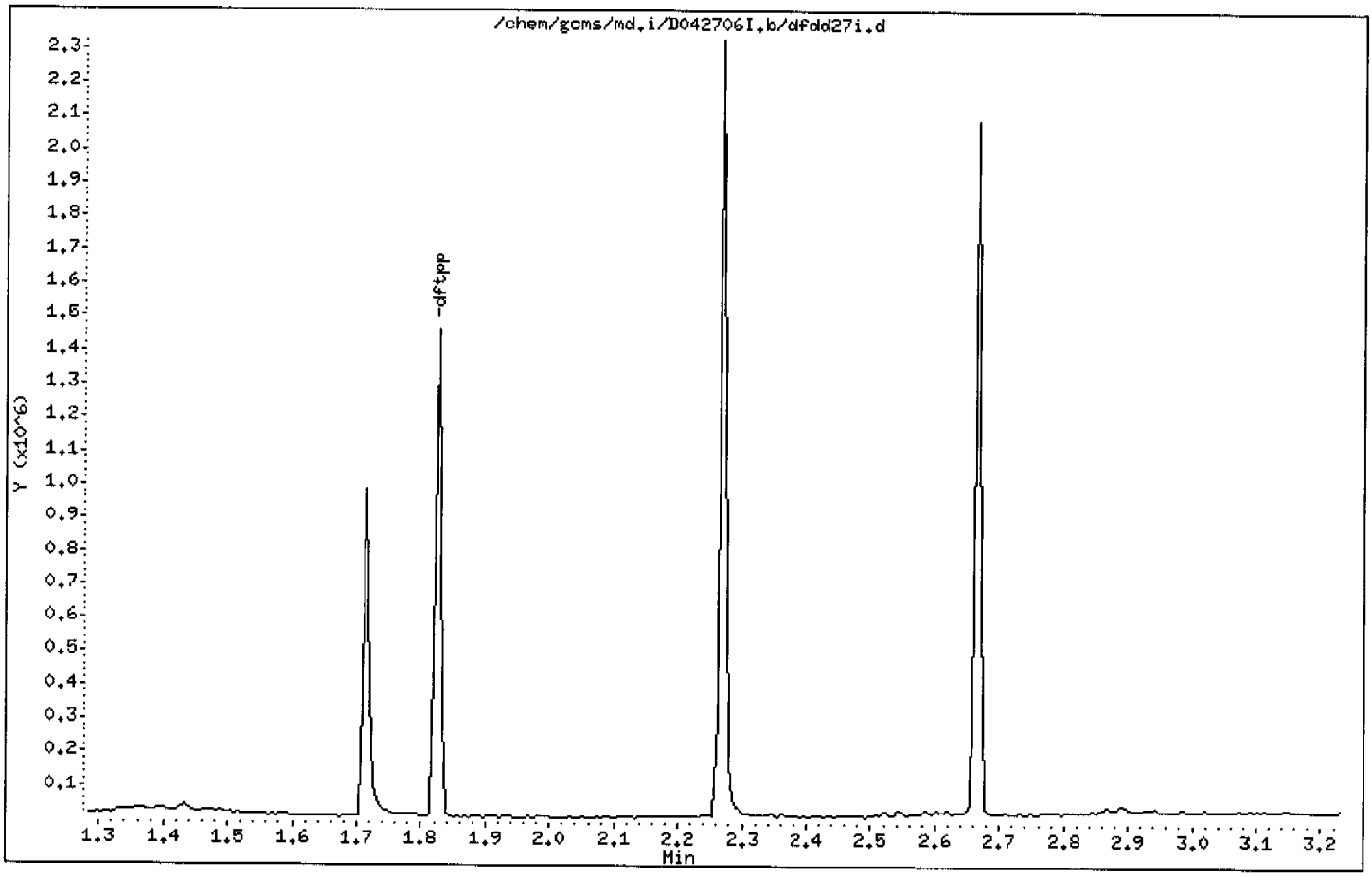
Instrument: md.i

Sample Info: DFDD27I,,3,,DFTPP,

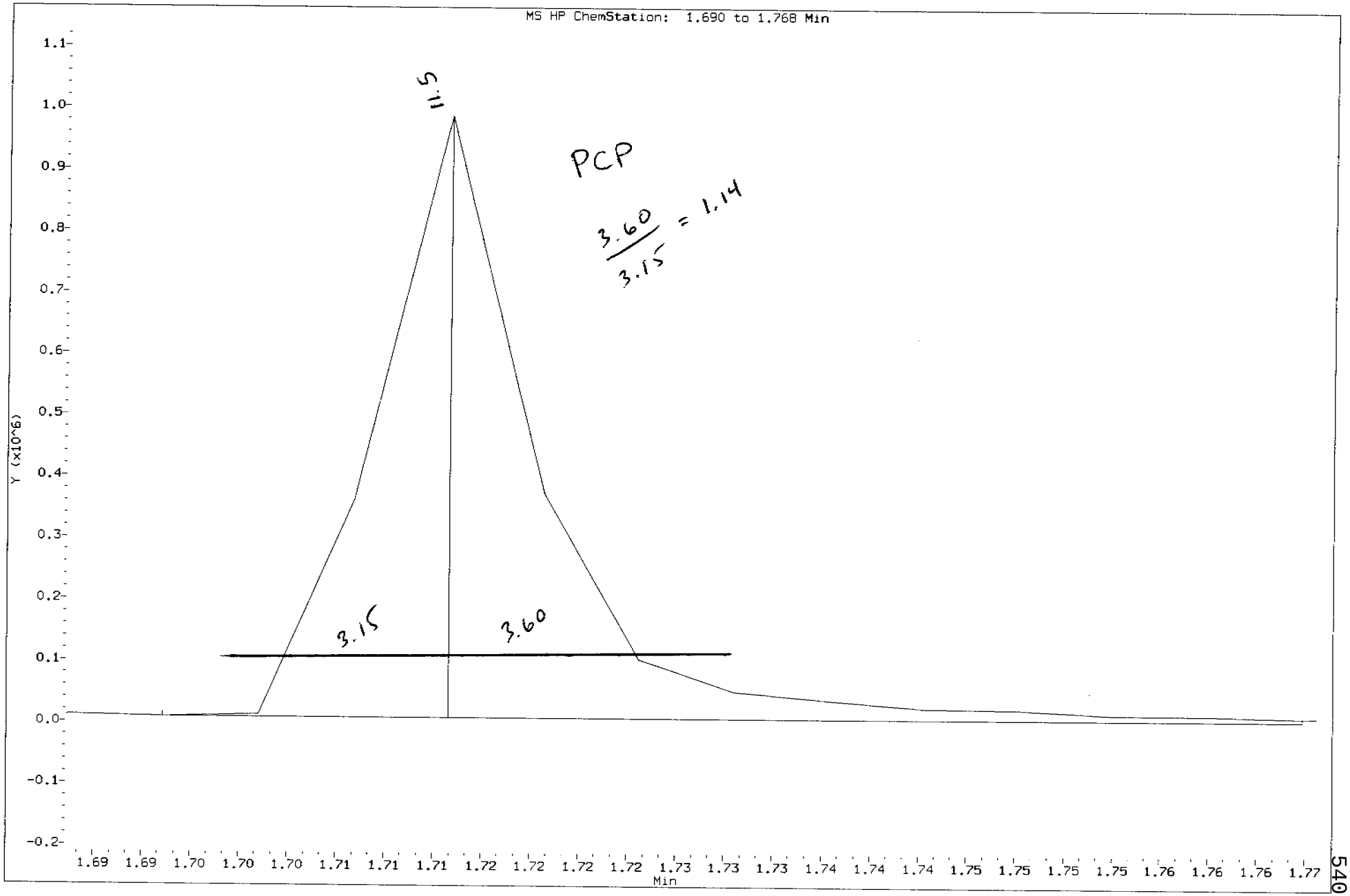
Operator: 60841

Column phase: ZB-5

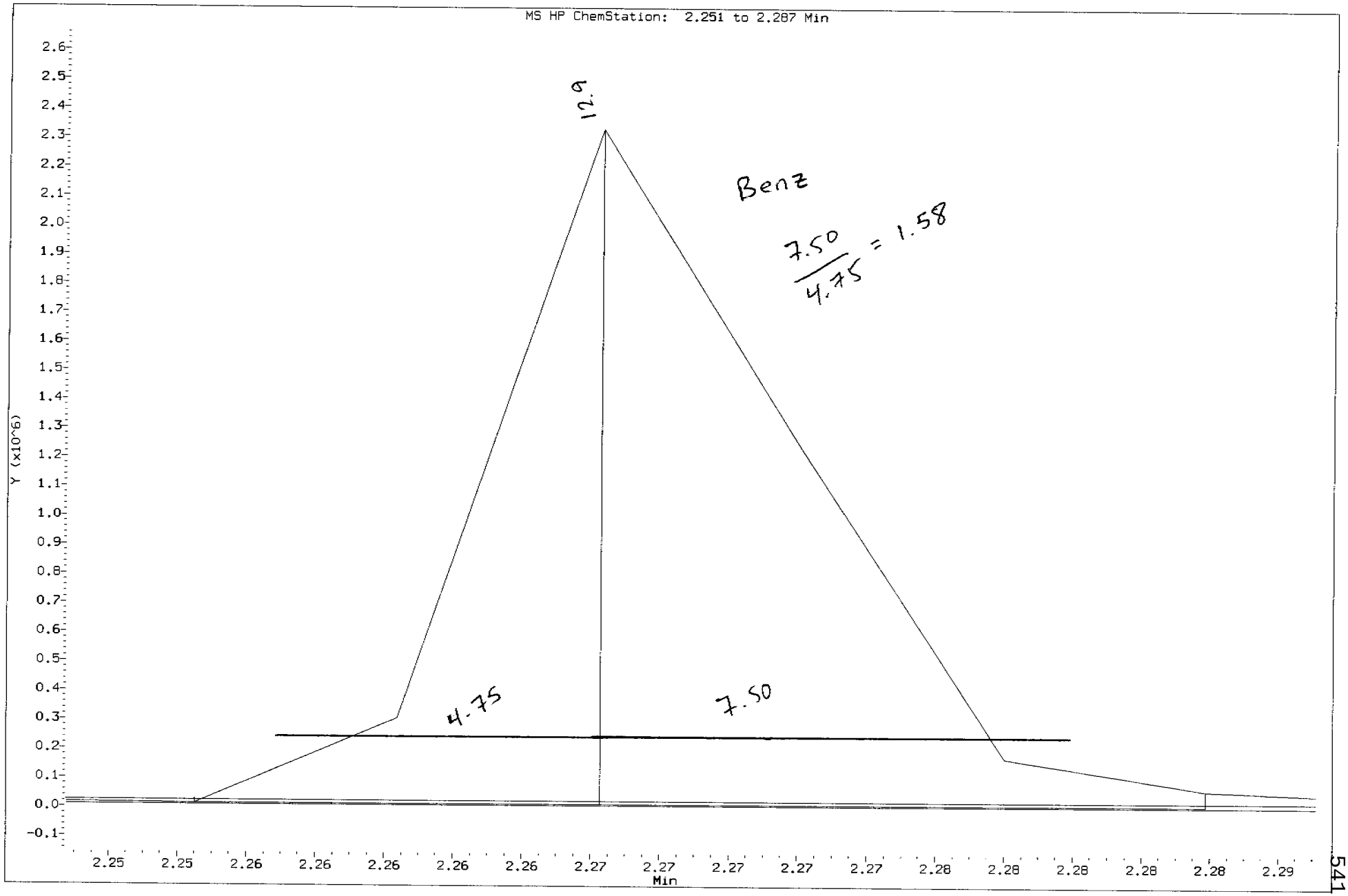
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/dfdd27i.d
Injection Date: 27-APR-2006 12:51
Instrument: md.i
Client Sample ID: Tune



Data File: /var/chem/gcms/md.i/D042706I.b/dfdd27i.d
Injection Date: 27-APR-2006 12:51
Instrument: md.i
Client Sample ID: Tune



Report Date: 27-Apr-2006 15:41

Calibration History

Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Start Cal Date: 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 10.00000		
27-APR-2006 15:00	benz	/var/chem/gcms/md.i/D042706I.b/bbdd271.d
09-MAR-2006 15:00	appdx9	/var/chem/gcms/md.i/D030906I.b/a9dc091.d
17-FEB-2006 13:10	8270dxnC13	/var/chem/gcms/md.i/D021706I.b/icdb171.d
Cal Level: 2 , Cal Amount: 25.00000		
27-APR-2006 14:36	benz	/var/chem/gcms/md.i/D042706I.b/bbdd272.d
09-MAR-2006 14:36	appdx9	/var/chem/gcms/md.i/D030906I.b/a9dc092.d
17-FEB-2006 12:47	8270dxnC13	/var/chem/gcms/md.i/D021706I.b/icdb172.d
Cal Level: 3 , Cal Amount: 40.00000		
27-APR-2006 14:13	benz	/var/chem/gcms/md.i/D042706I.b/bbdd273.d
09-MAR-2006 14:11	appdx9	/var/chem/gcms/md.i/D030906I.b/a9dc093.d
17-FEB-2006 12:24	8270dxnC13	/var/chem/gcms/md.i/D021706I.b/icdb173.d
Cal Level: 4 , Cal Amount: 60.00000		
27-APR-2006 13:49	benz	/var/chem/gcms/md.i/D042706I.b/bbdd274.d
09-MAR-2006 13:47	appdx9	/var/chem/gcms/md.i/D030906I.b/a9dc094.d
17-FEB-2006 12:00	8270dxnC13	/var/chem/gcms/md.i/D021706I.b/icdb174.d
Cal Level: 5 , Cal Amount: 120.00000		
27-APR-2006 13:26	benz	/var/chem/gcms/md.i/D042706I.b/bbdd275.d
09-MAR-2006 13:23	appdx9	/var/chem/gcms/md.i/D030906I.b/a9dc095.d
17-FEB-2006 11:37	8270dxnC13	/var/chem/gcms/md.i/D021706I.b/icdb175.d
Cal Level: 7 , Cal Amount: 2.00000		
17-FEB-2006 13:33	low	/var/chem/gcms/md.i/D021706I.b/icdb177.d

Cal Level: 8 , Cal Amount: 200.00000

27-APR-2006 13:02	benz	/var/chem/gcms/md.i/D042706I.b/bbdd278.d
09-MAR-2006 12:59	appdx9	/var/chem/gcms/md.i/D030906I.b/a9dc098.d
17-FEB-2006 11:14	8270	/var/chem/gcms/md.i/D021706I.b/icdb178.d

Report Date : 27-Apr-2006 15:17

STL Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Calibration File Names:
Level 1: /chem/gcms/md.i/D042706I.b/bbdd271.d
Level 2: /chem/gcms/md.i/D042706I.b/bbdd272.d
Level 3: /chem/gcms/md.i/D042706I.b/bbdd273.d
Level 4: /chem/gcms/md.i/D042706I.b/bbdd274.d
Level 5: /chem/gcms/md.i/D042706I.b/bbdd275.d
Level 7: /var/chem/gcms/md.i/D021706I.b/icdb177.d
Level 8: /var/chem/gcms/md.i/D042706I.b/bbdd278.d

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
175 1,4-Dioxane	0.45920	0.42017	0.47574	0.43475	0.54557	0.48960					
	+++++						AVRG		0.47084		9.48214
13 N-Nitrosodimethylamine	0.68494	0.68528	0.67087	0.61669	0.68717	+++++					
	0.66027						AVRG		0.66754		4.04893
14 Pyridine	1.37019	1.34874	1.34602	1.20738	1.41123	+++++					
	1.32495						AVRG		1.33475		5.16324
15 Phenol (ccc)	1.72459	1.70040	1.74194	1.67746	1.89601	+++++					
	1.95842						AVRG		1.78314		6.47262

Report Date : 27-Apr-2006 15:17

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INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
16 Aniline	2.19697	2.03202	1.91986	1.83268	2.04185	+++++					
	1.92385						AVRG		1.99121		6.40494
17 Bis(2-chloroethyl)ether	1.21446	1.24611	1.26768	1.19623	1.31307	+++++					
	1.24945						AVRG		1.24783		3.29108
18 2-Chlorophenol	1.29002	1.35467	1.32710	1.26433	1.38430	+++++					
	1.33384						AVRG		1.32571		3.26732
19 1,3-Dichlorobenzene	1.59776	1.52746	1.52602	1.46874	1.53970	+++++					
	1.44899						AVRG		1.51811		3.50722
20 1,4-Dichlorobenzene (ccc)	1.60352	1.55769	1.56273	1.46317	1.55608	+++++					
	1.45841						AVRG		1.53360		3.85063
21 Benzyl alcohol	0.83410	0.90966	0.85531	0.83853	0.95836	+++++					
	0.90968						AVRG		0.88427		5.59244
22 1,2-Dichlorobenzene	1.50654	1.46628	1.48121	1.41177	1.51008	+++++					
	1.44293						AVRG		1.46980		2.58258

Report Date : 27-Apr-2006 15:17

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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
23 2-Methylphenol	1.20229	1.27428	1.24856	1.21526	1.35607	+++++					
	1.30386						AVRG		1.26672		4.54161
24 2,2'-Oxybis(1-Chloropropane)	2.21110	2.18055	2.11003	2.01842	2.20277	+++++					
	2.10836						AVRG		2.13854		3.45571
25 4-Methylphenol	1.20080	1.28662	1.33542	1.27948	1.43214	+++++					
	1.36652						AVRG		1.31683		6.06390
26 3&4 Methylphenol	1.20080	1.28662	1.33542	1.27948	1.43214	+++++					
	1.36652						AVRG		1.31683		6.06390
27 N-Nitroso-di-n-propylamine###	0.98567	1.00589	0.95789	0.94214	1.02867	+++++					
	0.97554						AVRG		0.98263		3.20886
28 Hexachloroethane	0.62957	0.60152	0.60057	0.56688	0.60767	+++++					
	0.57243						AVRG		0.59644		3.90873
29 Nitrobenzene	0.42367	0.43286	0.44734	0.42261	0.44690	+++++					
	0.44926						AVRG		0.43711		2.81516

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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
30 Isophorone	0.78472 0.83860	0.79692	0.82322	0.77290	0.85326	+++++	AVRG		0.81160		3.91022
31 2-Nitrophenol (ccc)	0.18692 0.20900	0.19172	0.19813	0.19142	0.21200	+++++	AVRG		0.19820		5.15832
32 2,4-Dimethyphenol	0.39715 0.47177	0.41440	0.45542	0.43024	0.46858	+++++	AVRG		0.43959		6.93670
33 Bis(2-chloroethoxy)methane	0.45147 0.48715	0.45035	0.46815	0.45328	0.48996	+++++	AVRG		0.46673		3.88117
34 Benzoic acid	+++++ 0.24766	0.20299	0.19804	0.22187	0.26528	+++++	AVRG		0.22717		12.70765
35 2,4-Dichlorophenol (ccc)	0.30673 0.36935	0.33875	0.35886	0.34990	0.37478	+++++	AVRG		0.34973		7.07988
36 1,2,4-Trichlorobenzene	0.39547 0.38798	0.38198	0.39719	0.37567	0.39740	+++++	AVRG		0.38928		2.31805

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Target Version : 3.50
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Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	200 Level 8										
37 Naphthalene	1.16557	1.15899	1.19375	1.12809	1.20871	1.14287					
	1.19996						AVRG		1.17113		2.60474
38 4-Chloroaniline	0.50396	0.50936	0.50552	0.47110	0.52957	+++++					
	0.50941						AVRG		0.50482		3.75078
39 Hexachlorobutadiene (ccc)	0.28028	0.27349	0.29079	0.27661	0.28899	+++++					
	0.27514						AVRG		0.28088		2.61755
40 4-Chloro-3-methylphenol (ccc)	0.31490	0.36119	0.37938	0.36199	0.40025	+++++					
	0.38490						AVRG		0.36710		8.03702
41 2-Methylnaphthalene	0.74958	0.72908	0.74891	0.72031	0.77350	+++++					
	0.76420						AVRG		0.74760		2.70168
42 Hexachlorocyclopentadiene####	+++++	0.39657	0.44913	0.44689	0.49980	+++++					
	0.45217						AVRG		0.44891		8.14237
43 2,4,6-Trichlorophenol (ccc)	0.36282	0.38522	0.41803	0.40262	0.45012	+++++					
	0.43332						AVRG		0.40869		7.81635

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INITIAL CALIBRATION DATA

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End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	200 Level 8										
44 2,4,5-Trichlorphenol	0.40442	0.42429	0.46160	0.45011	0.49154	+++++					
	0.47968						AVRG		0.45194		7.30965
45 2-Chloronaphthalene	1.21197	1.11880	1.21285	1.15536	1.27746	+++++					
	1.23990						AVRG		1.20272		4.76805
46 2-Nitroaniline	0.33070	0.37389	0.39124	0.36678	0.41981	+++++					
	0.41387						AVRG		0.38272		8.63216
47 Acenaphthylene	1.84750	1.82867	1.96690	1.88877	2.07204	1.61962					
	1.98986						AVRG		1.88762		7.72738
48 Dimethyl phthalate	1.37811	1.30612	1.40648	1.32331	1.46811	+++++					
	1.42043						AVRG		1.38376		4.41838
49 2,6-Dinitrotoluene	0.25799	0.27618	0.30295	0.28426	0.33055	+++++					
	0.32284						AVRG		0.29580		9.48709
50 3-Nitroaniline	0.32745	0.33790	0.35864	0.33606	0.38659	+++++					
	0.37705						AVRG		0.35395		6.80553

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Start Cal Date : 13-FEB-2006 09:22
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	200 Level 8										
51 Acenaphthene (ccc)	1.13900	1.07333	1.16673	1.08711	1.21155	1.08431					
	1.17201						AVRG		1.13344		4.68266
52 2,4-Dinitrophenol ##spcc##	3572	18136	29146	50413	136842	+++++					
	241143						LINR	0.58347	0.17363		0.99687
53 Dibenzofuran	1.69055	1.62421	1.73125	1.59499	1.79699	+++++					
	1.70751						AVRG		1.69092		4.33026
54 4-Nitrophenol ##spcc##	+++++	0.20564	0.22213	0.21338	0.23718	+++++					
	0.22544						AVRG		0.22075		5.43953
55 2,4-Dinitrotoluene	0.34697	0.37709	0.41800	0.38318	0.44269	+++++					
	0.42288						AVRG		0.39847		8.89070
56 Fluorene	1.42545	1.33788	1.45265	1.36062	1.51156	1.37206					
	1.40406						AVRG		1.40918		4.24614
57 4-Chlorophenyl phenyl ether	0.69427	0.66792	0.72097	0.68113	0.73988	+++++					
	0.70180						AVRG		0.70099		3.74475

Report Date : 27-Apr-2006 15:17

STL Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
58 Diethyl phthalate	1.39717	1.26056	1.40832	1.29129	1.44057	+++++					
	1.37361						AVRG		1.36192		5.18992
59 4-Nitroaniline	0.32270	0.34733	0.36372	0.33445	0.39743	+++++					
	0.38212						AVRG		0.35796		7.98420
60 4,6-Dinitro-2-methylphenol	+++++	0.11089	0.11435	0.11500	0.14389	+++++					
	0.14502						AVRG		0.12583		13.57247
61 N-Ndpa / diphenylamine (ccc)	0.51608	0.51540	0.51594	0.50534	0.55518	+++++					
	0.53071						AVRG		0.52311		3.37882
62 1,2-Diphenylhydrazine/azobnz	0.78892	0.76664	0.80251	0.78720	0.85908	+++++					
	0.86336						AVRG		0.81128		4.97548
63 4-Bromophenyl phenyl ether	0.21770	0.21503	0.22616	0.21572	0.23493	+++++					
	0.22589						AVRG		0.22257		3.50365
64 Hexachlorobenzene	0.28548	0.26788	0.27832	0.27126	0.28933	+++++					
	0.27722						AVRG		0.27825		2.93057

Report Date : 27-Apr-2006 15:17

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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
65 Pentachlorophenol (ccc)	+++++	0.15884	0.17382	0.17621	0.19587	+++++					
	0.19598						AVRG		0.18014		8.80982
66 Phenanthrene	1.24786	1.20283	1.19313	1.16579	1.27255	1.14153					
	1.21802						AVRG		1.20596		3.75049
67 Anthracene	1.22497	1.18081	1.19336	1.17389	1.29501	1.15432					
	1.22264						AVRG		1.20643		3.86639
68 Carbazole	1.11963	1.09730	1.12984	1.07527	1.20838	+++++					
	1.18953						AVRG		1.13666		4.58716
69 Di-n-butyl phthalate	1.25398	1.25192	1.26335	1.25963	1.38598	+++++					
	1.31916						AVRG		1.28900		4.16868
70 Fluoranthene (ccc)	1.33822	1.30392	1.32576	1.27203	1.41677	1.14433					
	1.31716						AVRG		1.30260		6.34890
71 Pyrene	1.32535	1.25311	1.28675	1.24726	1.38487	1.17105					
	1.28581						AVRG		1.27917		5.22431

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Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
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Compound	10 Level 1 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
72 Butyl benzyl phthalate	0.56740 0.59230	0.54997	0.56567	0.54603	0.61810	+++++	AVRG		0.57324		4.77690
73 Benzo(a)Anthracene	1.34387 1.29770	1.28822	1.33007	1.26147	1.38022	1.26541	AVRG		1.30957		3.33560
74 3,3'-Dichlorobenzidine	0.47426 0.49540	0.48816	0.50096	0.48810	0.52761	+++++	AVRG		0.49575		3.63141
75 Chrysene	1.32563 1.14494	1.25119	1.30215	1.20718	1.28066	1.26580	AVRG		1.25393		4.87214
76 Bis(2-ethylhexyl) phthalate	0.73390 0.73932	0.72680	0.73066	0.70979	0.80309	0.65604	AVRG		0.72851		5.96177
77 Di-n-octyl phthalate (ccc)	1.34220 1.59394	1.43258	1.41820	1.34689	1.63957	+++++	AVRG		1.46223		8.61390
78 Benzo(b)fluoranthene	1.49250 +++++	1.58714	1.73723	1.47080	1.66602	1.26773	AVRG		1.53690		10.81439

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Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
79 Benzo(k)fluoranthene	1.66540	1.52256	1.49494	1.55428	1.60775	1.59383					
	1.54714						AVRG		1.56942		3.65522
80 Benzo(a)pyrene (ccc)	1.26474	1.28071	1.30967	1.27272	1.38385	1.11006					
	1.34406						AVRG		1.28083		6.75619
85 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00 NA
81 Indeno(1,2,3-cd)pyrene	1.41964	1.39620	1.43370	1.43601	1.53541	1.18231					
	1.53018						AVRG		1.41907		8.28605
82 Dibenz(a,h)anthracene	1.18601	1.13565	1.20038	1.18879	1.30447	1.01910					
	1.29139						AVRG		1.18940		8.09837
83 Benzo(g,h,i)perylene	1.17149	1.14358	1.22095	1.20656	1.29474	1.07033					
	1.29403						AVRG		1.20024		6.72664
176 2-Picoline	1.19068	1.17461	1.24565	1.17983	1.12287	+++++					
	1.20844						AVRG		1.18701		3.41803

Report Date : 27-Apr-2006 15:17

STL Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
86 N-nitrosomethylethylamine	0.77717 0.76926	0.72730	0.78656	0.75587	0.75039	+++++	AVRG		0.76109		2.79174
181 Furfural	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00 <-
87 Methyl methanosulfonate	0.29121 0.25428	0.28371	0.28921	0.27972	0.27343	+++++	AVRG		0.27859		4.86160
88 N-nitrosodiethylamine	0.55143 0.55408	0.53649	0.57378	0.56992	0.57252	+++++	AVRG		0.55970		2.65668
89 Ethyl methanosulfonate	0.85417 0.81749	0.86894	0.86096	0.83615	0.83473	+++++	AVRG		0.84541		2.27614
90 Pentachloroethane	0.51666 0.49239	0.50108	0.49976	0.50499	0.46724	+++++	AVRG		0.49702		3.34430
91 acetophenone	1.73044 1.62751	1.68746	1.69841	1.68151	1.65607	+++++	AVRG		1.68023		2.10730

Report Date : 27-Apr-2006 15:17

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INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
92 m-cresol	1.26369	1.19582	1.20766	1.24660	1.26727	+++++					
	1.20907						AVRG		1.23168		2.53858
93 n-nitrosopyrrolidine	0.67291	0.62517	0.64921	0.65834	0.66060	+++++					
	0.62897						AVRG		0.64920		2.89225
94 n-nitrosomorpholine	0.90065	0.89185	0.92592	0.90095	0.91442	+++++					
	0.90374						AVRG		0.90626		1.33018
95 o-toluidine	1.59022	1.70012	1.66254	1.65073	1.72323	+++++					
	1.70173						AVRG		1.67143		2.87256
96 n-nitrosopiperidine	0.30202	0.28639	0.28697	0.29127	0.28823	+++++					
	0.29344						AVRG		0.29139		2.01166
97 2,6-dichlorophenol	0.32433	0.31121	0.30752	0.30022	0.30218	+++++					
	0.30734						AVRG		0.30880		2.77962
98 hexachloropropene	0.26170	0.26103	0.25918	0.24501	0.24065	+++++					
	0.25523						AVRG		0.25380		3.50733

Report Date : 27-Apr-2006 15:17

STL Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
99 N-nitro-di-n-butylamine	0.21978	0.21192	0.22838	0.21113	0.21401	+++++					
	0.21577						AVRG		0.21683		2.97275
100 Isosafrole	0.28965	0.27440	0.27788	0.27182	0.26621	+++++					
	0.27319						AVRG		0.27552		2.86743
101 1,2,4,5-tetrachlorobenzene	0.34793	0.34897	0.34283	0.33342	0.33446	+++++					
	0.34613						AVRG		0.34229		1.98716
102 safrole	0.49538	0.53884	0.50794	0.50381	0.49984	+++++					
	0.51489						AVRG		0.51012		3.05595
103 1-chloronaphthalene	1.05946	1.10735	1.04177	1.01511	0.99407	+++++					
	1.04468						AVRG		1.04374		3.73164
104 m-dinitrobenzene	0.13682	0.16348	0.16489	0.16854	0.18431	+++++					
	0.18135						AVRG		0.16656		10.16875
105 pentachlorobenzene	0.53488	0.53428	0.51733	0.50183	0.48876	+++++					
	0.52005						AVRG		0.51619		3.52100

Report Date : 27-Apr-2006 15:17

STL Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
106 1-naphthylamine	1.12203	1.13655	1.09667	1.06944	1.08346	+++++					
	1.07182						AVRG		1.09666		2.50286
182 2-Chlorobenzalmalononitrile	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00 <- NA
107 2-naphthylamine	1.12177	1.15202	1.01506	1.03940	1.05628	+++++					
	1.05568						AVRG		1.07337		4.87458
108 2,3,4,6-tetrachlorophenol	0.27622	0.32807	0.32404	0.32461	0.33518	+++++					
	0.34265						AVRG		0.32180		7.27939
109 5-nitro-o-toluidine	0.33454	0.37492	0.34442	0.32832	0.34233	+++++					
	0.35165						AVRG		0.34603		4.71002
110 diphenylamine	1.05310	1.09916	1.05267	1.03261	1.01267	+++++					
	1.03101						AVRG		1.04687		2.84357
111 1,3,5-trinitrobenzene	7901	22517	35609	66714	179276	+++++					
	230279						LINR	0.41585	0.14040		0.99850

Report Date : 27-Apr-2006 15:17

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INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	200 Level 8										
112 phenacetin	0.38539	0.36525	0.36555	0.35070	0.34602	+++++					
	0.34754						AVRG		0.36008		4.19420
113 4-aminobiphenyl	0.81028	0.76386	0.79541	0.74573	0.75621	+++++					
	0.75211						AVRG		0.77060		3.38534
114 pentachloronitrobenzene	0.10491	0.09947	0.10411	0.09575	0.09896	+++++					
	0.10207						AVRG		0.10088		3.43502
115 Dinoseb	0.09925	0.10944	0.12367	0.13154	0.13971	+++++					
	0.14075						AVRG		0.12406		13.53047
178 N-Nitroquinoline-n-oxide	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
177 Methapyrilene HCL	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00
84 Benzidine	0.82541	0.82508	0.83395	0.83778	0.73574	+++++					
	0.86071						AVRG		0.81978		5.26718

NA

Report Date : 27-Apr-2006 15:17

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INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
116 p-(dimethylamino)azobenzene	0.30711	0.30749	0.31112	0.29855	0.28678	+++++						
	0.29485						AVRG		0.30098		3.07371	
118 2-acetylaminofluorene	0.53085	0.56213	0.51854	0.52691	0.49760	+++++						
	0.52771						AVRG		0.52729		3.96446	
117 o-tolidine	0.87443	0.85284	0.85500	0.83994	0.75695	+++++						
	0.83766						AVRG		0.83614		4.89853	
119 7,12-dimethylbenz(a)anthracen	0.57696	0.57717	0.54586	0.54317	0.52627	+++++						
	0.56742						AVRG		0.55614		3.74542	
120 3-methylcholanthrene	0.64843	0.63479	0.60687	0.62859	0.60382	+++++						
	0.62056						AVRG		0.62384		2.72671	
183 2-chloroacetophenone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
184 Benzaldehyde	0.80720	0.86796	0.91057	0.94786	0.98058	+++++						
	0.96009						AVRG		0.91238		7.14073	

Report Date : 27-Apr-2006 15:17

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INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1 / 200 Level 8	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
185 Benzonitrile	1.90919	1.97373	2.00352	2.10070	2.14737	++++++					
	2.13806						AVRG		2.04543		4.76460
M 186 PAH, Summed Target List	++++++	++++++	++++++	++++++	++++++	++++++					
	++++++						AVRG		0.000e+00		0.000e+00 <- NA
$ 7 2-Fluorophenol	1.39357	1.35012	1.43191	1.32820	1.46342	++++++					
	1.42459						AVRG		1.39863		3.69001
$ 8 Phenol-d5	1.63645	1.68161	1.66406	1.59631	1.80930	++++++					
	1.73490						AVRG		1.68711		4.48185
$ 9 Nitrobenzene-d5	0.41863	0.44071	0.46742	0.43963	0.47142	++++++					
	0.46718						AVRG		0.45083		4.68600
$ 10 2-Fluorobiphenyl	1.31761	1.24706	1.33912	1.27471	1.39541	++++++					
	1.33706						AVRG		1.31850		3.97118
$ 11 2,4,6-Tribromophenol	0.11348	0.12491	0.12566	0.12105	0.13995	++++++					
	0.13587						AVRG		0.12682		7.65073

Report Date : 27-Apr-2006 15:17

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INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Compound	10 Level 1	25 Level 2	40 Level 3	60 Level 4	120 Level 5	2 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	200 Level 8										
$ 12 Terphenyl-d14	1.00720	0.93759	0.96957	0.93107	1.01974	+++++					
	0.97147						AVRG		0.97277		3.67218
$ 179 13C6-naphthalene	1.23187	1.22495	1.34732	1.33319	1.30194	+++++					
	+++++						AVRG		1.28786		4.40642
$ 173 Pyridine-d5	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00 NA
$ 180 Pentachlorophenol C13	16020	61234	87014	151579	317721	+++++					
	+++++						LINR	0.24654	0.22034		0.99907

Report Date : 27-Apr-2006 15:17

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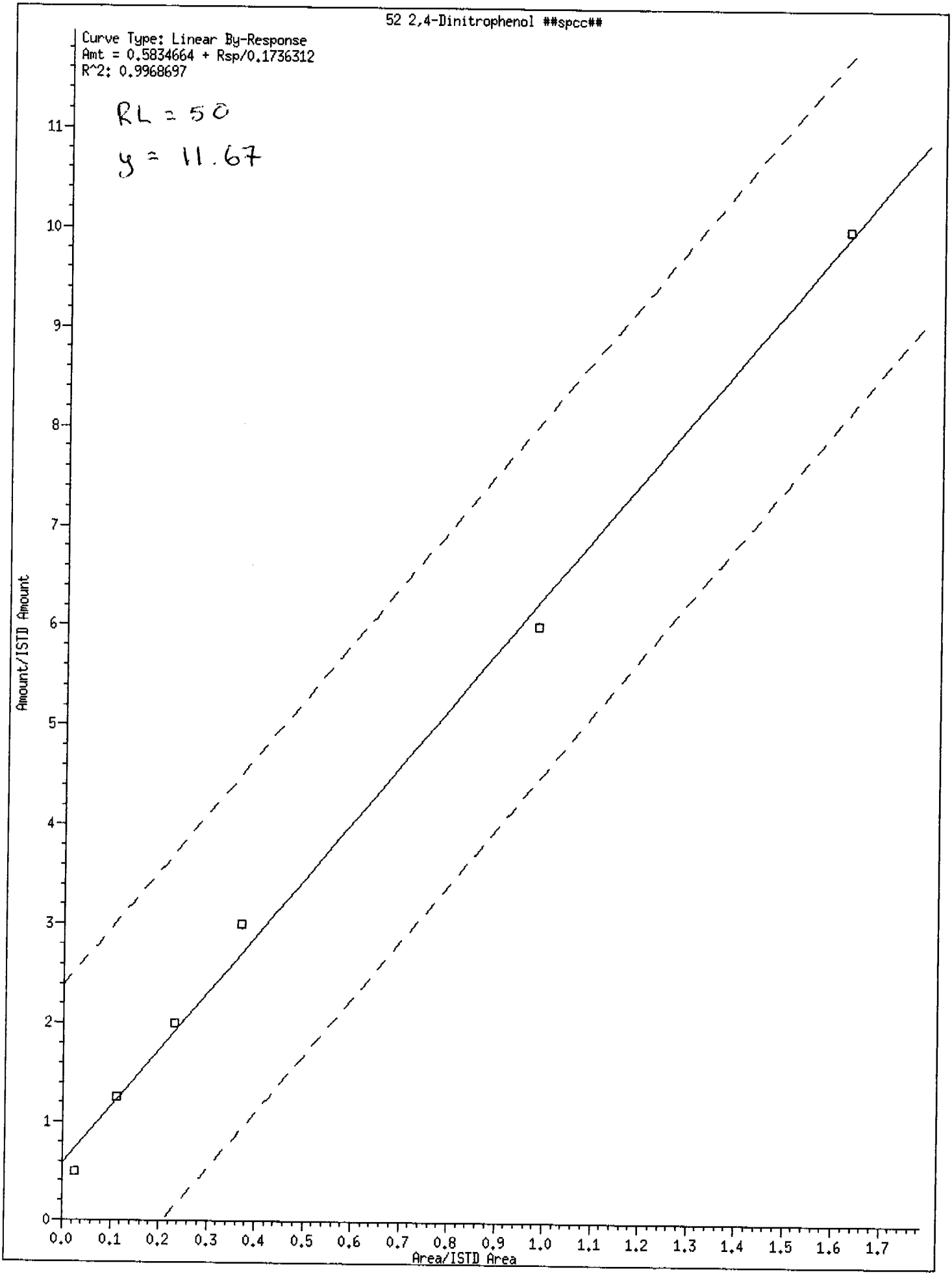
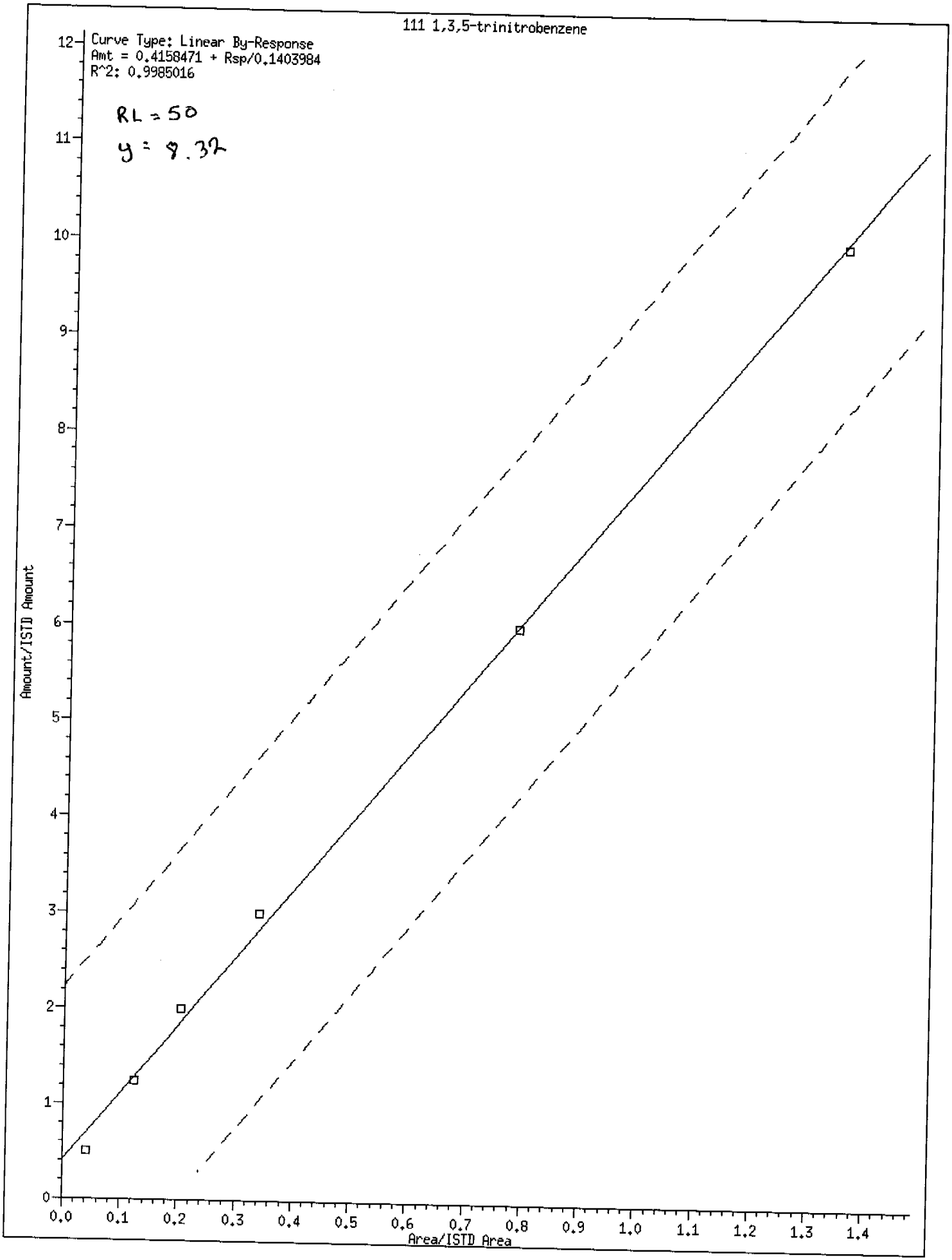
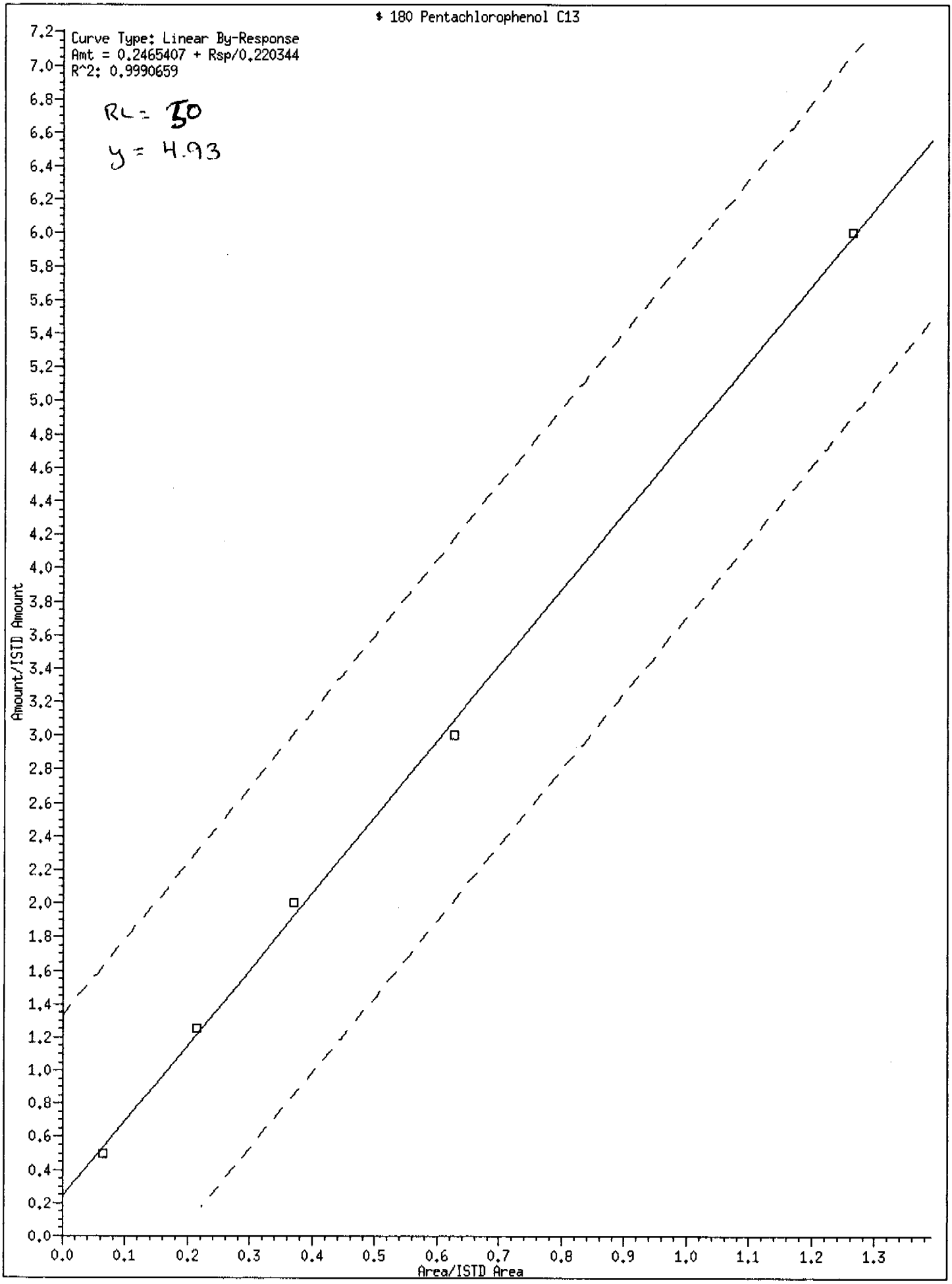
INITIAL CALIBRATION DATA

Start Cal Date : 13-FEB-2006 09:22
End Cal Date : 27-APR-2006 15:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Cal Date : 27-Apr-2006 15:16 chemist

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response


52 2,4-Dinitrophenol ##spcc##
Curve Type: Linear By-Response
Amt = 0.5834664 + Rsp/0.1736312
R^2: 0.9968697
RL = 50
y = 11.67
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7


111 1,3,5-trinitrobenzene
Curve Type: Linear By-Response
Amt = 0.4158471 + Rsp/0.1403984
R^2: 0.9985016
RL = 50
y = 9.32
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4


$ 180 Pentachlorophenol C13
Curve Type: Linear By-Response
Amt = 0.2465407 + Rsp/0.220344
R^2: 0.9990659
RL = 50
y = 4.93
Amount/ISTD Amount
Area/ISTD Area

Data File: /var/chem/gcms/md.i/D021706I.b/icdb177.d
Report Date: 17-Feb-2006 14:09

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icdb177.d
Lab Smp Id: ICDB177 Client Smp ID: VSTD002
Inj Date : 17-FEB-2006 13:33
Operator : 60841 Inst ID: md.i
Smp Info : ICDB177,,1,7,,VSTD002,
Misc Info : D021706I,8270a9,low.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:09 wilesd Quant Type: ISTD
Cal Date : 17-FEB-2006 13:33 Cal File: icdb177.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: low.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.218	4.218	(1.000)	56983	20.0000	
* 2 Naphthalene-d8	136	5.816	5.828	(1.000)	191605	20.0000	
* 3 Acenaphthene-d10	164	8.471	8.477	(1.000)	131401	20.0000	
* 4 Phenanthrene-d10	188	9.976	9.982	(1.000)	246353	20.0000	
* 5 Chrysene-d12	240	12.061	12.073	(1.000)	280945	20.0000	
* 6 Perylene-d12	264	13.289	13.301	(1.000)	245383	20.0000	
$ 7 2-Fluorophenol	112	3.060	3.066	(0.726)	6803	2.00000	1.71
$ 8 Phenol-d5	99	3.889	3.906	(0.922)	7210	2.00000	1.50
$ 9 Nitrobenzene-d5	82	4.876	4.893	(0.838)	6856	2.00000	1.59
$ 10 2-Fluorobiphenyl	172	7.543	7.555	(0.890)	14508	2.00000	1.67
$ 11 2,4,6-Tribromophenol	330	9.359	9.365	(0.938)	1737	2.00000	1.11
$ 12 Terphenyl-d14	244	11.251	11.257	(0.933)	25920	2.00000	1.90
175 1,4-Dioxane	88	1.891	1.896	(0.448)	223193	160.000	166(A)
37 Naphthalene	128	5.845	5.857	(1.005)	21898	2.00000	1.95

Data File: /var/chem/gcms/md.i/D021706I.b/icdb177.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
47 Acenaphthylene	152	8.272	8.284	(0.976)	21282	2.00000	1.72
51 Acenaphthene (ccc)	153	8.513	8.524	(1.005)	14248	2.00000	1.91
56 Fluorene	166	9.088	9.100	(1.073)	18029	2.00000	1.95
66 Phenanthrene	178	9.993	10.005	(1.002)	28122	2.00000	1.89
67 Anthracene	178	10.034	10.040	(1.006)	28437	2.00000	1.91
70 Fluoranthene (ccc)	202	10.957	10.969	(1.098)	28191	2.00000	1.76
71 Pyrene	202	11.127	11.139	(0.923)	32900	2.00000	1.83
73 Benzo(a)Anthracene	228	12.050	12.056	(0.999)	35551	2.00000	1.93
75 Chrysene	228	12.079	12.097	(1.001)	35562	2.00000	2.02
76 Bis(2-ethylhexyl) phthalate	149	12.097	12.103	(1.003)	18431	2.00000	2.00
78 Benzo(b)fluoranthene	252	12.978	12.990	(0.977)	31108	2.00000	1.65
79 Benzo(k)fluoranthene	252	12.996	13.013	(0.978)	39110	2.00000	2.03
80 Benzo(a)pyrene (ccc)	252	13.242	13.260	(0.996)	27239	2.00000	1.73
82 Dibenz(a,h)anthracene	278	14.324	14.353	(1.078)	25007	2.00000	1.72
81 Indeno(1,2,3-cd)pyrene	276	14.312	14.341	(1.077)	29012	2.00000	1.67
83 Benzo(g,h,i)perylene	276	14.600	14.635	(1.099)	26264	2.00000	1.78

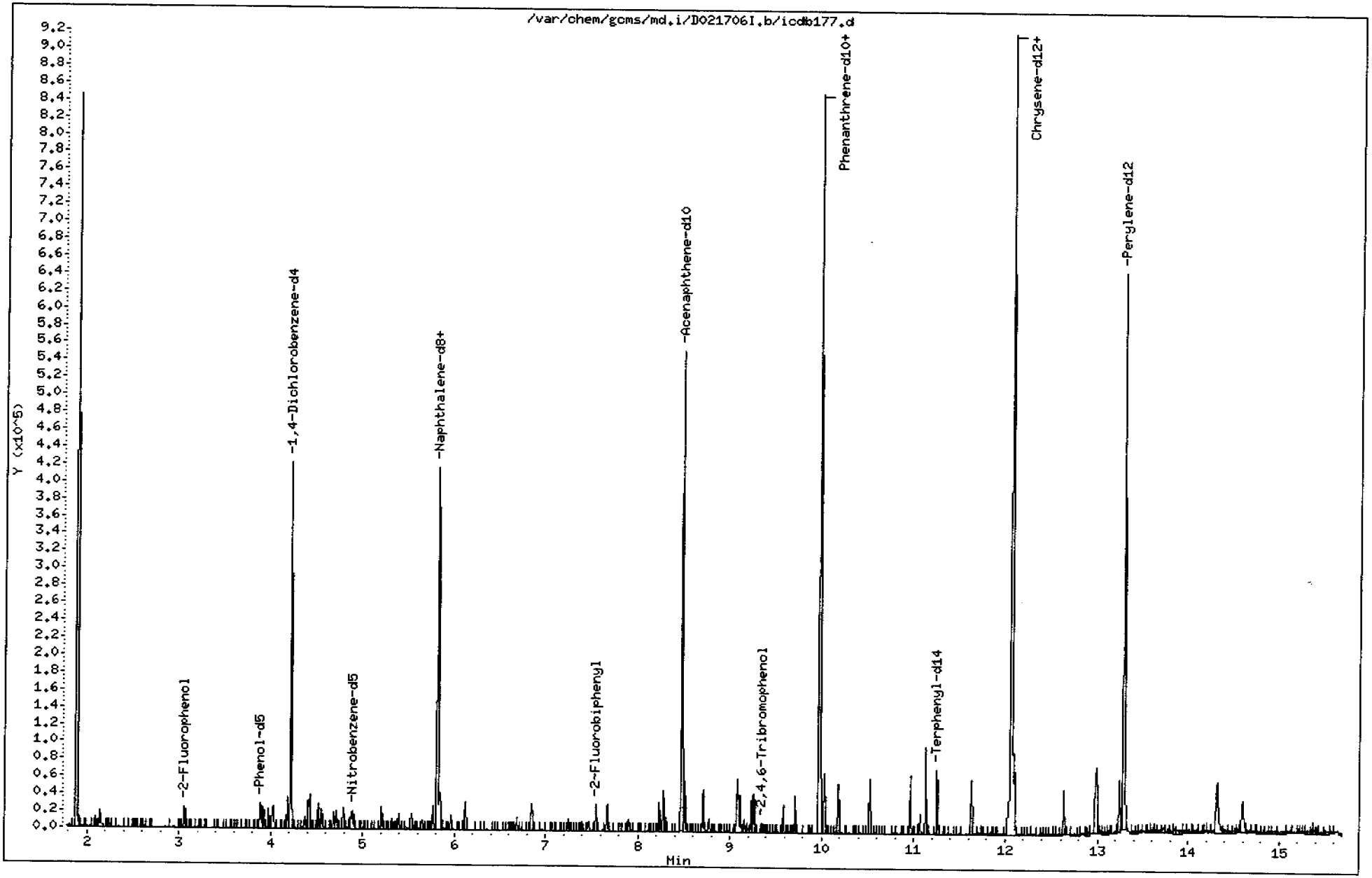
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D021706I.b/icdb177.d
Date : 17-FEB-2006 13:33
Client ID: VSTD002
Sample Info: ICDB177,,1,7,,VSTD002,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/icdb171.d
Report Date: 17-Feb-2006 14:09

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icdb171.d
Lab Smp Id: ICDB171 Client Smp ID: VSTD010
Inj Date : 17-FEB-2006 13:10
Operator : 60841 Inst ID: md.i
Smp Info : ICDB171,,1,1,,VSTD010,
Misc Info : D021706I,8270a9,8270dxnC13.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:09 wilesd Quant Type: ISTD
Cal Date : 13-FEB-2006 14:23 Cal File: a9db131.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270dxnC13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.217	4.218	(1.000)	59024	20.0000	
* 2 Naphthalene-d8	136	5.816	5.828	(1.000)	203011	20.0000	
* 3 Acenaphthene-d10	164	8.471	8.477	(1.000)	136802	20.0000	
* 4 Phenanthrene-d10	188	9.976	9.982	(1.000)	247790	20.0000	
* 5 Chrysene-d12	240	12.061	12.073	(1.000)	266193	20.0000	
* 6 Perylene-d12	264	13.289	13.301	(1.000)	236274	20.0000	
$ 7 2-Fluorophenol	112	3.060	3.066	(0.726)	41127	10.0000	9.96
$ 8 Phenol-d5	99	3.888	3.906	(0.922)	48295	10.0000	9.70
$ 9 Nitrobenzene-d5	82	4.876	4.893	(0.838)	42493	10.0000	9.28
$ 10 2-Fluorobiphenyl	172	7.543	7.555	(0.890)	90126	10.0000	9.99
$ 11 2,4,6-Tribromophenol	330	9.359	9.365	(0.938)	14059	10.0000	8.95
$ 12 Terphenyl-d14	244	11.251	11.257	(0.933)	134055	10.0000	10.4
$ 179 13C6-naphthalene	134	5.845	5.851	(1.005)	125042	10.0000	9.56
$ 180 Pentachlorophenol C13	272	9.876	9.881	(0.990)	16020	10.0000	10.8

Data File: /var/chem/gcms/md.i/D021706I.b/icdb171.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
175 1,4-Dioxane	88	1.891	1.896	(0.448)	13552	10.0000	9.56
13 N-Nitrosodimethylamine	74	2.096	2.102	(0.497)	20214	10.0000	10.3
14 Pyridine	79	2.126	2.114	(0.504)	40437	10.0000	10.3
15 Phenol (ccc)	94	3.900	3.918	(0.925)	50896	10.0000	9.67
16 Aniline	93	3.924	3.936	(0.930)	64837	10.0000	11.0
17 Bis(2-chloroethyl)ether	93	3.982	3.994	(0.944)	35841	10.0000	9.73
18 2-Chlorophenol	128	4.035	4.047	(0.957)	38071	10.0000	9.73
19 1,3-Dichlorobenzene	146	4.182	4.188	(0.992)	47153	10.0000	10.5
20 1,4-Dichlorobenzene (ccc)	146	4.235	4.241	(1.004)	47323	10.0000	10.4
21 Benzyl alcohol	108	4.376	4.388	(1.038)	24616	10.0000	9.43
22 1,2-Dichlorobenzene	146	4.429	4.435	(1.050)	44461	10.0000	10.2
23 2-Methylphenol	108	4.517	4.529	(1.071)	35482	10.0000	9.49
24 2,2'-Oxybis(1-Chloropropane)	45	4.558	4.564	(1.081)	65254	10.0000	10.3
25 4-Methylphenol	108	4.688	4.711	(1.111)	35438	10.0000	9.12
26 3&4 Methylphenol	108	4.688	4.711	(1.111)	35438	10.0000	9.12
27 N-Nitroso-di-n-propylamine###	70	4.717	4.741	(1.118)	29089	10.0000	10.0
28 Hexachloroethane	117	4.793	4.793	(1.137)	18580	10.0000	10.6
29 Nitrobenzene	77	4.899	4.917	(0.842)	43005	10.0000	9.69
30 Isophorone	82	5.210	5.228	(0.896)	79653	10.0000	9.67
31 2-Nitrophenol (ccc)	139	5.328	5.334	(0.916)	18973	10.0000	9.43
32 2,4-Dimethyphenol	107	5.393	5.410	(0.927)	40313	10.0000	9.03
33 Bis(2-chloroethoxy)methane	93	5.534	5.546	(0.952)	45827	10.0000	9.67
34 Benzoic acid	122	5.487	5.628	(0.943)	11566	10.0000	5.07
35 2,4-Dichlorophenol (ccc)	162	5.645	5.657	(0.971)	31135	10.0000	8.77
36 1,2,4-Trichlorobenzene	180	5.769	5.775	(0.992)	40142	10.0000	10.2
37 Naphthalene	128	5.845	5.857	(1.005)	118312	10.0000	10.0
38 4-Chloroaniline	127	5.963	5.974	(1.025)	51155	10.0000	9.98
39 Hexachlorobutadiene (ccc)	225	6.121	6.127	(1.053)	28450	10.0000	9.98
40 4-Chloro-3-methylphenol (ccc)	107	6.679	6.691	(1.149)	31964	10.0000	8.58
41 2-Methylnaphthalene	142	6.850	6.856	(1.178)	76087	10.0000	10.0
42 Hexachlorocyclopentadiene####	237	7.255	7.261	(0.856)	26014	10.0000	8.47
43 2,4,6-Trichlorophenol (ccc)	196	7.402	7.414	(0.874)	24817	10.0000	8.88
44 2,4,5-Trichlorphenol	196	7.461	7.473	(0.881)	27663	10.0000	8.95
45 2-Chloronaphthalene	162	7.672	7.684	(0.906)	82900	10.0000	10.1
46 2-Nitroaniline	65	7.896	7.913	(0.932)	22620	10.0000	8.64
47 Acenaphthylene	152	8.272	8.284	(0.976)	126371	10.0000	9.88
48 Dimethyl phthalate	163	8.230	8.248	(0.972)	94264	10.0000	9.96
49 2,6-Dinitrotoluene	165	8.301	8.319	(0.980)	17647	10.0000	8.72
50 3-Nitroaniline	138	8.460	8.483	(0.999)	22398	10.0000	9.25
51 Acenaphthene (ccc)	153	8.513	8.524	(1.005)	77909	10.0000	9.98
52 2,4-Dinitrophenol ##spcc##	184	8.589	8.601	(1.014)	3572	10.0000	14.7
53 Dibenzofuran	168	8.706	8.718	(1.028)	115635	10.0000	10.0
54 4-Nitrophenol ##spcc##	109	8.701	8.718	(1.027)	9651	10.0000	6.39
55 2,4-Dinitrotoluene	165	8.771	8.789	(1.035)	23733	10.0000	8.71
56 Fluorene	166	9.088	9.100	(1.073)	97502	10.0000	10.2
57 4-Chlorophenyl phenyl ether	204	9.112	9.118	(1.076)	47489	10.0000	9.90
58 Diethyl phthalate	149	9.071	9.089	(1.071)	95568	10.0000	10.2

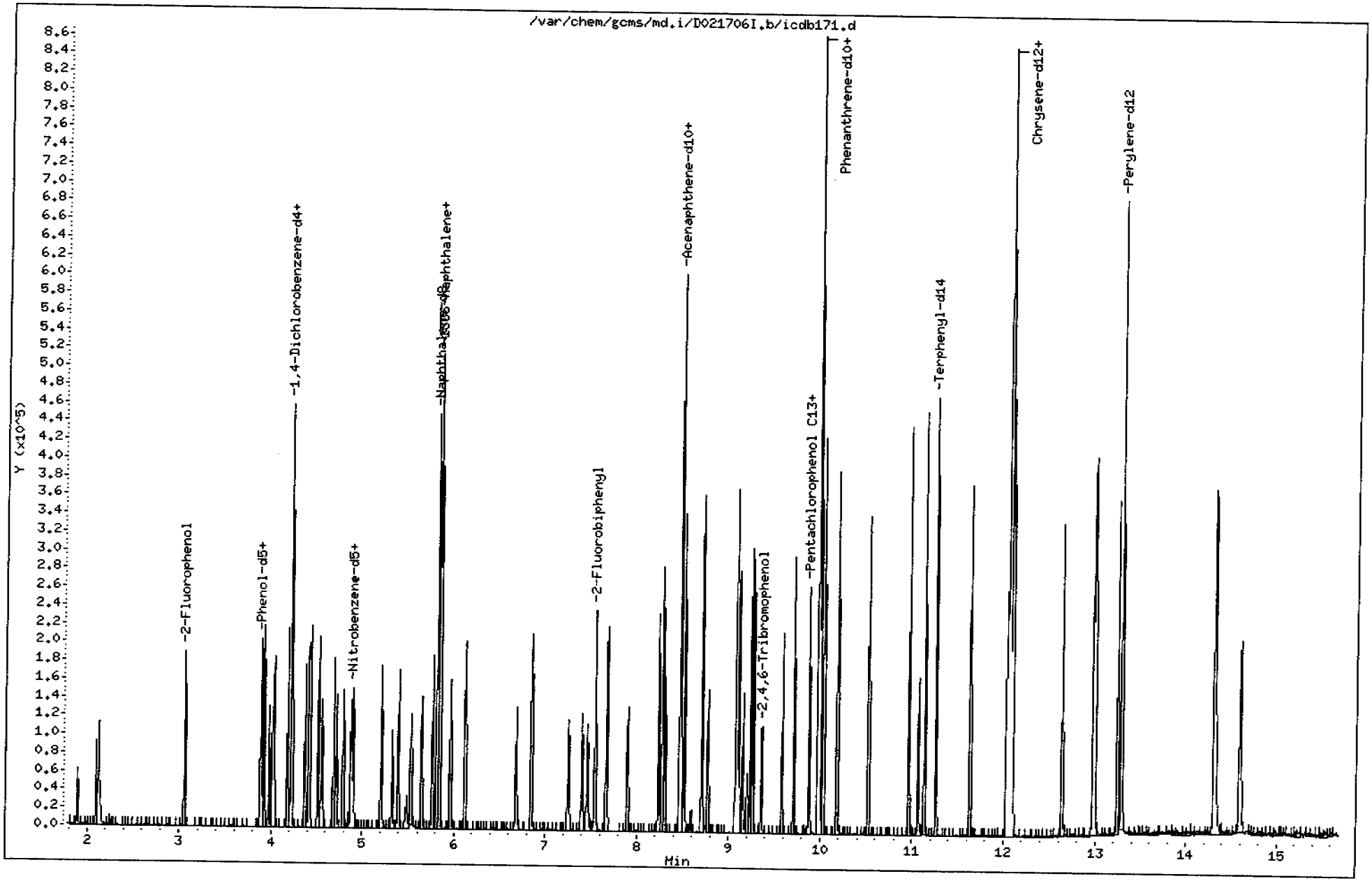
Data File: /var/chem/gcms/md.i/D021706I.b/icdb171.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
59 4-Nitroaniline	138	9.159	9.188	(1.081)	22073	10.0000	9.02
60 4,6-Dinitro-2-methylphenol	198	9.206	9.230	(0.923)	8752	10.0000	5.61
61 N-Ndpa / diphenylamine (ccc)	169	9.241	9.253	(0.926)	63940	10.0000	9.86
62 1,2-Diphenylhydrazine/azobnz	77	9.265	9.277	(0.929)	97743	10.0000	9.72
63 4-Bromophenyl phenyl ether	248	9.588	9.594	(0.961)	26972	10.0000	9.78
64 Hexachlorobenzene	284	9.711	9.717	(0.973)	35369	10.0000	10.2
65 Pentachlorophenol (ccc)	266	9.876	9.882	(0.990)	15394	10.0000	6.90
66 Phenanthrene	178	9.993	10.005	(1.002)	154604	10.0000	10.2
67 Anthracene	178	10.034	10.040	(1.006)	151768	10.0000	10.3
68 Carbazole	167	10.181	10.187	(1.021)	138716	10.0000	9.85
69 Di-n-butyl phthalate	149	10.516	10.522	(1.054)	155362	10.0000	9.73
70 Fluoranthene (ccc)	202	10.963	10.969	(1.099)	165799	10.0000	10.3
71 Pyrene	202	11.133	11.139	(0.923)	176400	10.0000	10.3
72 Butyl benzyl phthalate	149	11.627	11.633	(0.964)	75519	10.0000	9.90
73 Benzo(a)Anthracene	228	12.044	12.056	(0.999)	178864	10.0000	10.4
74 3,3'-Dichlorobenzidine	252	12.032	12.038	(0.998)	63122	10.0000	9.57
75 Chrysene	228	12.085	12.097	(1.002)	176437	10.0000	10.5
76 Bis(2-ethylhexyl) phthalate	149	12.097	12.103	(1.003)	97679	10.0000	10.4
77 Di-n-octyl phthalate (ccc)	149	12.637	12.643	(0.951)	158563	10.0000	9.17
78 Benzo(b)fluoranthene	252	12.978	12.990	(0.977)	176319	10.0000	9.86
79 Benzo(k)fluoranthene	252	12.996	13.013	(0.978)	196745	10.0000	10.6
80 Benzo(a)pyrene (ccc)	252	13.242	13.260	(0.996)	149413	10.0000	10.1
81 Indeno(1,2,3-cd)pyrene	276	14.312	14.341	(1.077)	167712	10.0000	10.2
82 Dibenz(a,h)anthracene	278	14.323	14.353	(1.078)	140112	10.0000	10.1
83 Benzo(g,h,i)perylene	276	14.600	14.635	(1.099)	138396	10.0000	9.85

Data File: /var/chem/gcms/md.i/D021706I.b/icdb171.d
Date : 17-FEB-2006 13:10
Client ID: VSTD010
Sample Info: ICDB171,,1,1,,VSTD010,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/icdb172.d
Report Date: 17-Feb-2006 14:09

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icdb172.d
Lab Smp Id: ICDB172 Client Smp ID: VSTD025
Inj Date : 17-FEB-2006 12:47
Operator : 60841 Inst ID: md.i
Smp Info : ICDB172,,1,2,,VSTD025,
Misc Info : D021706I,8270a9,8270dxnC13.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:09 wilesd Quant Type: ISTD
Cal Date : 13-FEB-2006 14:00 Cal File: a9db132.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270dxnC13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.218	4.218	(1.000)	65775	20.0000	
* 2 Naphthalene-d8	136	5.816	5.828	(1.000)	229026	20.0000	
* 3 Acenaphthene-d10	164	8.477	8.477	(1.000)	162077	20.0000	
* 4 Phenanthrene-d10	188	9.976	9.982	(1.000)	287078	20.0000	
* 5 Chrysene-d12	240	12.062	12.073	(1.000)	319570	20.0000	
* 6 Perylene-d12	264	13.295	13.301	(1.000)	274651	20.0000	
$ 7 2-Fluorophenol	112	3.060	3.066	(0.726)	111005	25.0000	24.1
$ 8 Phenol-d5	99	3.889	3.906	(0.922)	138260	25.0000	24.9
$ 9 Nitrobenzene-d5	82	4.876	4.893	(0.838)	126167	25.0000	24.4
$ 10 2-Fluorobiphenyl	172	7.543	7.555	(0.890)	252649	25.0000	23.6
$ 11 2,4,6-Tribromophenol	330	9.359	9.365	(0.938)	44825	25.0000	24.6
$ 12 Terphenyl-d14	244	11.251	11.257	(0.933)	374533	25.0000	24.1
$ 179 13C6-naphthalene	134	5.845	5.851	(1.005)	350681	25.0000	23.8
$ 180 Pentachlorophenol C13	272	9.876	9.881	(0.990)	61234	25.0000	24.3

Data File: /var/chem/gcms/md.i/D021706I.b/icdb172.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
175 1,4-Dioxane	88	1.891	1.896	(0.448)	34546	25.0000	21.9
13 N-Nitrosodimethylamine	74	2.097	2.102	(0.497)	56343	25.0000	25.7
14 Pyridine	79	2.114	2.114	(0.501)	110892	25.0000	25.3
15 Phenol (ccc)	94	3.900	3.918	(0.925)	139805	25.0000	23.8
16 Aniline	93	3.924	3.936	(0.930)	167070	25.0000	25.5
17 Bis(2-chloroethyl)ether	93	3.983	3.994	(0.944)	102454	25.0000	25.0
18 2-Chlorophenol	128	4.036	4.047	(0.957)	111379	25.0000	25.5
19 1,3-Dichlorobenzene	146	4.182	4.188	(0.992)	125586	25.0000	25.2
20 1,4-Dichlorobenzene (ccc)	146	4.235	4.241	(1.004)	128071	25.0000	25.4
21 Benzyl alcohol	108	4.376	4.388	(1.038)	74791	25.0000	25.7
22 1,2-Dichlorobenzene	146	4.429	4.435	(1.050)	120556	25.0000	24.9
23 2-Methylphenol	108	4.517	4.529	(1.071)	104770	25.0000	25.1
24 2,2'-Oxybis(1-Chloropropane)	45	4.558	4.564	(1.081)	179282	25.0000	25.5
25 4-Methylphenol	108	4.688	4.711	(1.111)	105784	25.0000	24.4
26 3&4 Methylphenol	108	4.688	4.711	(1.111)	105784	25.0000	24.4
27 N-Nitroso-di-n-propylamine###	70	4.717	4.741	(1.118)	82703	25.0000	25.6
28 Hexachloroethane	117	4.793	4.793	(1.137)	49456	25.0000	25.2
29 Nitrobenzene	77	4.899	4.917	(0.842)	123920	25.0000	24.8
30 Isophorone	82	5.211	5.228	(0.896)	228143	25.0000	24.5
31 2-Nitrophenol (ccc)	139	5.328	5.334	(0.916)	54885	25.0000	24.2
32 2,4-Dimethyphenol	107	5.399	5.410	(0.928)	118636	25.0000	23.6
33 Bis(2-chloroethoxy)methane	93	5.534	5.546	(0.952)	128926	25.0000	24.1
34 Benzoic acid	122	5.516	5.628	(0.948)	58112	25.0000	22.6
35 2,4-Dichlorophenol (ccc)	162	5.645	5.657	(0.971)	96977	25.0000	24.2
36 1,2,4-Trichlorobenzene	180	5.769	5.775	(0.992)	109353	25.0000	24.5
37 Naphthalene	128	5.845	5.857	(1.005)	331799	25.0000	24.9
38 4-Chloroaniline	127	5.963	5.974	(1.025)	145820	25.0000	25.2
39 Hexachlorobutadiene (ccc)	225	6.121	6.127	(1.053)	78294	25.0000	24.3
40 4-Chloro-3-methylphenol (ccc)	107	6.685	6.691	(1.150)	103402	25.0000	24.6
41 2-Methylnaphthalene	142	6.850	6.856	(1.178)	208722	25.0000	24.4
42 Hexachlorocyclopentadiene####	237	7.255	7.261	(0.856)	80344	25.0000	22.1
43 2,4,6-Trichlorophenol (ccc)	196	7.402	7.414	(0.873)	78045	25.0000	23.6
44 2,4,5-Trichlorphenol	196	7.461	7.473	(0.880)	85960	25.0000	23.5
45 2-Chloronaphthalene	162	7.673	7.684	(0.905)	226665	25.0000	23.2
46 2-Nitroaniline	65	7.896	7.913	(0.931)	75749	25.0000	24.4
47 Acenaphthylene	152	8.272	8.284	(0.976)	370482	25.0000	24.4
48 Dimethyl phthalate	163	8.231	8.248	(0.971)	264615	25.0000	23.6
49 2,6-Dinitrotoluene	165	8.301	8.319	(0.979)	55953	25.0000	23.3
50 3-Nitroaniline	138	8.466	8.483	(0.999)	68458	25.0000	23.9
51 Acenaphthene (ccc)	153	8.513	8.524	(1.004)	217453	25.0000	23.5
52 2,4-Dinitrophenol ##spcc##	184	8.589	8.601	(1.013)	18136	25.0000	24.6
53 Dibenzofuran	168	8.707	8.718	(1.027)	329059	25.0000	24.0
54 4-Nitrophenol ##spcc##	109	8.701	8.718	(1.026)	41661	25.0000	23.3
55 2,4-Dinitrotoluene	165	8.771	8.789	(1.035)	76398	25.0000	23.6
56 Fluorene	166	9.089	9.100	(1.072)	271050	25.0000	24.0
57 4-Chlorophenyl phenyl ether	204	9.112	9.118	(1.075)	135319	25.0000	23.8
58 Diethyl phthalate	149	9.077	9.089	(1.071)	255385	25.0000	23.1

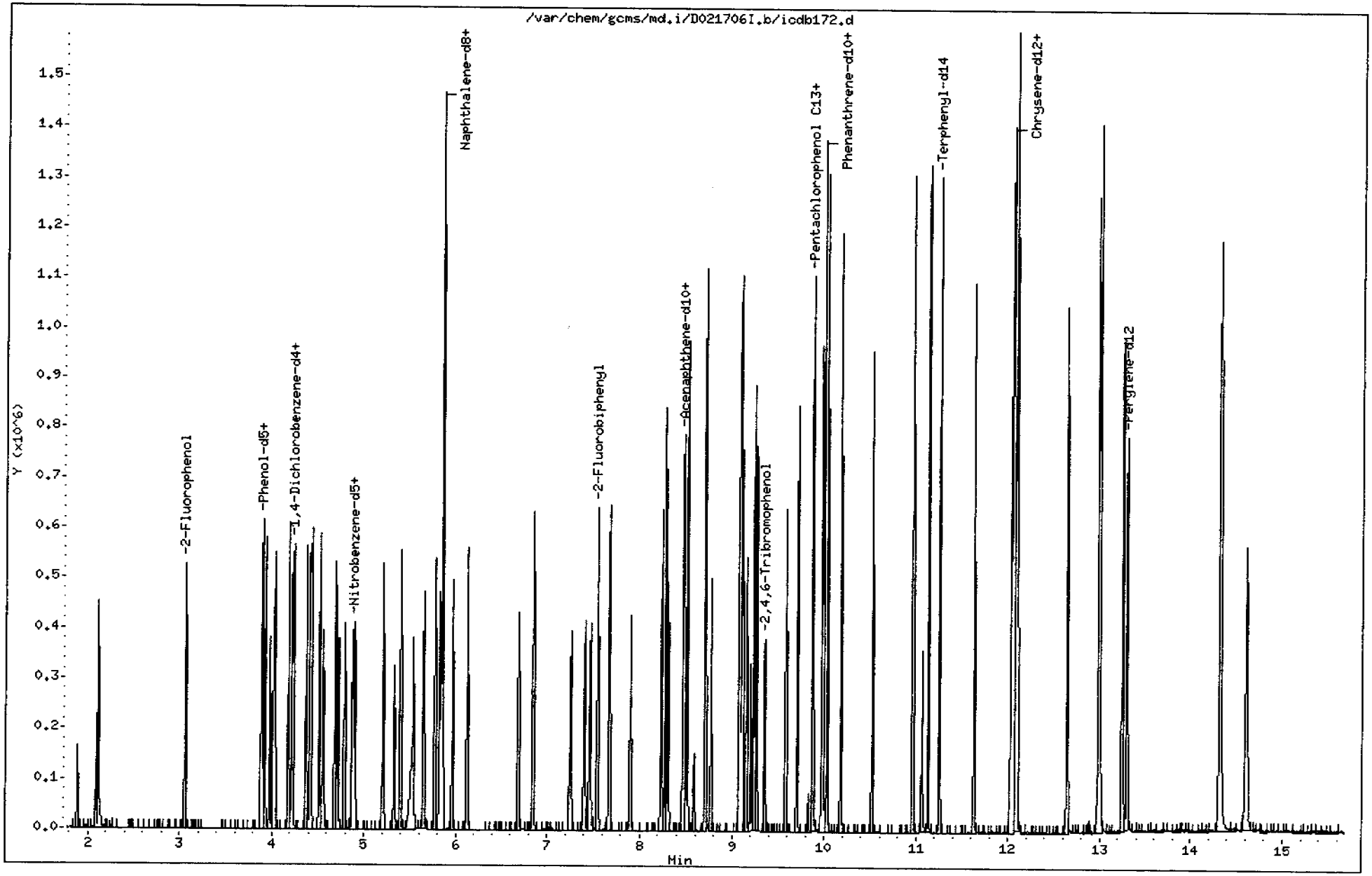
Data File: /var/chem/gcms/md.i/D021706I.b/icdb172.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
59 4-Nitroaniline	138	9.159	9.188	(1.080)	70367	25.0000	24.2
60 4,6-Dinitro-2-methylphenol	198	9.206	9.230	(0.923)	39794	25.0000	22.0
61 N-Ndpa / diphenylamine (ccc)	169	9.241	9.253	(0.926)	184950	25.0000	24.6
62 1,2-Diphenylhydrazine/azobnz	77	9.265	9.277	(0.929)	275107	25.0000	23.6
63 4-Bromophenyl phenyl ether	248	9.588	9.594	(0.961)	77164	25.0000	24.2
64 Hexachlorobenzene	284	9.711	9.717	(0.973)	96128	25.0000	24.1
65 Pentachlorophenol (ccc)	266	9.876	9.882	(0.990)	56998	25.0000	22.0
66 Phenanthrene	178	9.993	10.005	(1.002)	431632	25.0000	24.6
67 Anthracene	178	10.034	10.040	(1.006)	423732	25.0000	24.8
68 Carbazole	167	10.181	10.187	(1.021)	393765	25.0000	24.1
69 Di-n-butyl phthalate	149	10.522	10.522	(1.055)	449250	25.0000	24.3
70 Fluoranthene (ccc)	202	10.963	10.969	(1.099)	467910	25.0000	25.1
71 Pyrene	202	11.133	11.139	(0.923)	500570	25.0000	24.3
72 Butyl benzyl phthalate	149	11.627	11.633	(0.964)	219692	25.0000	24.0
73 Benzo(a)Anthracene	228	12.050	12.056	(0.999)	514597	25.0000	24.9
74 3,3'-Dichlorobenzidine	252	12.032	12.038	(0.998)	195002	25.0000	24.6
75 Chrysene	228	12.085	12.097	(1.002)	499803	25.0000	24.8
76 Bis(2-ethylhexyl) phthalate	149	12.097	12.103	(1.003)	290328	25.0000	24.7
77 Di-n-octyl phthalate (ccc)	149	12.637	12.643	(0.950)	491826	25.0000	24.5
78 Benzo(b)fluoranthene	252	12.978	12.990	(0.976)	544886	25.0000	26.2
79 Benzo(k)fluoranthene	252	12.996	13.013	(0.977)	522717	25.0000	24.2
80 Benzo(a)pyrene (ccc)	252	13.248	13.260	(0.996)	439686	25.0000	25.6
81 Indeno(1,2,3-cd)pyrene	276	14.318	14.341	(1.077)	479335	25.0000	25.1
82 Dibenz(a,h)anthracene	278	14.324	14.353	(1.077)	389883	25.0000	24.2
83 Benzo(g,h,i)perylene	276	14.606	14.635	(1.099)	392606	25.0000	24.0

Data File: /var/chem/gcms/md.i/D021706I.b/icdb172.d
Date : 17-FEB-2006 12:47
Client ID: VSTD025
Sample Info: ICDB172,,1,2,,VSTD025,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/icdb173.d
Report Date: 17-Feb-2006 14:09

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icdb173.d
Lab Smp Id: ICDB173 Client Smp ID: VSTD040
Inj Date : 17-FEB-2006 12:24
Operator : 60841 Inst ID: md.i
Smp Info : ICDB173,,1,3,,VSTD040,
Misc Info : D021706I,8270a9,8270dxnC13.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:09 wilesd Quant Type: ISTD
Cal Date : 13-FEB-2006 13:37 Cal File: a9db133.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270dxnC13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.218	4.218	(1.000)	57197	20.0000	
* 2 Naphthalene-d8	136	5.822	5.828	(1.000)	190829	20.0000	
* 3 Acenaphthene-d10	164	8.477	8.477	(1.000)	126805	20.0000	
* 4 Phenanthrene-d10	188	9.976	9.982	(1.000)	235434	20.0000	
* 5 Chrysene-d12	240	12.062	12.073	(1.000)	260090	20.0000	
* 6 Perylene-d12	264	13.290	13.301	(1.000)	235124	20.0000	
$ 7 2-Fluorophenol	112	3.060	3.066	(0.726)	163802	40.0000	41.0
$ 8 Phenol-d5	99	3.889	3.906	(0.922)	190359	40.0000	39.4
$ 9 Nitrobenzene-d5	82	4.882	4.893	(0.839)	178395	40.0000	41.5
$ 10 2-Fluorobiphenyl	172	7.543	7.555	(0.890)	339614	40.0000	40.6
$ 11 2,4,6-Tribromophenol	330	9.359	9.365	(0.938)	59167	40.0000	39.6
$ 12 Terphenyl-d14	244	11.257	11.257	(0.933)	504352	40.0000	39.9
$ 179 13C6-naphthalene	134	5.845	5.851	(1.004)	514217	40.0000	41.8
$ 180 Pentachlorophenol C13	272	9.876	9.881	(0.990)	87014	40.0000	38.5

Data File: /var/chem/gcms/md.i/D021706I.b/icdb173.d
Report Date: 17-Feb-2006 14:09

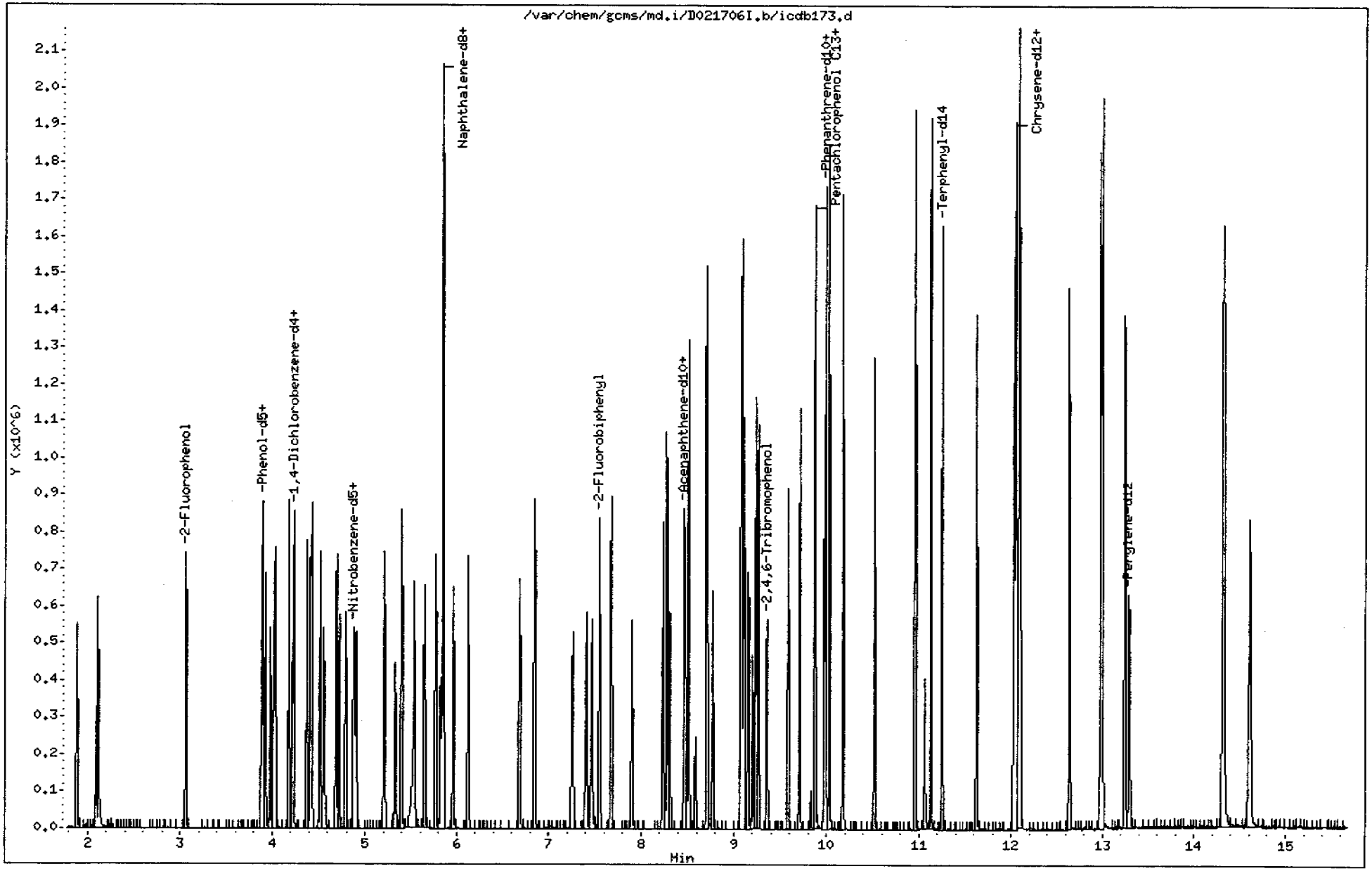
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
175 1,4-Dioxane	88	1.891	1.896	(0.448)	136054	100.000	99.0
13 N-Nitrosodimethylamine	74	2.097	2.102	(0.497)	76744	40.0000	40.2
14 Pyridine	79	2.114	2.114	(0.501)	153977	40.0000	40.3
15 Phenol (ccc)	94	3.900	3.918	(0.925)	199267	40.0000	39.1
16 Aniline	93	3.924	3.936	(0.930)	219621	40.0000	38.6
17 Bis(2-chloroethyl)ether	93	3.983	3.994	(0.944)	145015	40.0000	40.6
18 2-Chlorophenol	128	4.035	4.047	(0.957)	151812	40.0000	40.0
19 1,3-Dichlorobenzene	146	4.182	4.188	(0.992)	174567	40.0000	40.2
20 1,4-Dichlorobenzene (ccc)	146	4.235	4.241	(1.004)	178767	40.0000	40.8
21 Benzyl alcohol	108	4.376	4.388	(1.038)	97842	40.0000	38.7
22 1,2-Dichlorobenzene	146	4.429	4.435	(1.050)	169442	40.0000	40.3
23 2-Methylphenol	108	4.517	4.529	(1.071)	142828	40.0000	39.4
24 2,2'-Oxybis(1-Chloropropane)	45	4.558	4.564	(1.081)	241375	40.0000	39.5
25 4-Methylphenol	108	4.694	4.711	(1.113)	152764	40.0000	40.6
26 3&4 Methylphenol	108	4.694	4.711	(1.113)	152764	40.0000	40.6
27 N-Nitroso-di-n-propylamine###	70	4.723	4.741	(1.120)	109577	40.0000	39.0
28 Hexachloroethane	117	4.793	4.793	(1.137)	68702	40.0000	40.3
29 Nitrobenzene	77	4.905	4.917	(0.843)	170731	40.0000	40.9
30 Isophorone	82	5.211	5.228	(0.895)	314190	40.0000	40.6
31 2-Nitrophenol (ccc)	139	5.328	5.334	(0.915)	75619	40.0000	40.0
32 2,4-Dimethyphenol	107	5.399	5.410	(0.927)	173813	40.0000	41.4
33 Bis(2-chloroethoxy)methane	93	5.534	5.546	(0.951)	178675	40.0000	40.1
34 Benzoic acid	122	5.528	5.628	(0.950)	75585	40.0000	35.6
35 2,4-Dichlorophenol (ccc)	162	5.645	5.657	(0.970)	136962	40.0000	41.0
36 1,2,4-Trichlorobenzene	180	5.769	5.775	(0.991)	151592	40.0000	40.8
37 Naphthalene	128	5.845	5.857	(1.004)	455603	40.0000	41.0
38 4-Chloroaniline	127	5.963	5.974	(1.024)	192934	40.0000	40.0
39 Hexachlorobutadiene (ccc)	225	6.121	6.127	(1.051)	110984	40.0000	41.4
40 4-Chloro-3-methylphenol (ccc)	107	6.685	6.691	(1.148)	144793	40.0000	41.3
41 2-Methylnaphthalene	142	6.850	6.856	(1.177)	285827	40.0000	40.1
42 Hexachlorocyclopentadiene####	237	7.255	7.261	(0.856)	113904	40.0000	40.0
43 2,4,6-Trichlorophenol (ccc)	196	7.402	7.414	(0.873)	106017	40.0000	40.9
44 2,4,5-Trichlorphenol	196	7.461	7.473	(0.880)	117067	40.0000	40.8
45 2-Chloronaphthalene	162	7.672	7.684	(0.905)	307592	40.0000	40.3
46 2-Nitroaniline	65	7.896	7.913	(0.931)	99222	40.0000	40.9
47 Acenaphthylene	152	8.272	8.284	(0.976)	498826	40.0000	42.1
48 Dimethyl phthalate	163	8.237	8.248	(0.972)	356698	40.0000	40.6
49 2,6-Dinitrotoluene	165	8.307	8.319	(0.980)	76832	40.0000	41.0
50 3-Nitroaniline	138	8.466	8.483	(0.999)	90955	40.0000	40.5
51 Acenaphthene (ccc)	153	8.513	8.524	(1.004)	295895	40.0000	40.9
52 2,4-Dinitrophenol ##spcc##	184	8.589	8.601	(1.013)	29146	40.0000	38.1
53 Dibenzofuran	168	8.707	8.718	(1.027)	439063	40.0000	41.0
54 4-Nitrophenol ##spcc##	109	8.701	8.718	(1.026)	56334	40.0000	40.2
55 2,4-Dinitrotoluene	165	8.777	8.789	(1.035)	106008	40.0000	42.0
56 Fluorene	166	9.088	9.100	(1.072)	368407	40.0000	41.7
57 4-Chlorophenyl phenyl ether	204	9.112	9.118	(1.075)	182845	40.0000	41.1
58 Diethyl phthalate	149	9.077	9.089	(1.071)	357164	40.0000	41.4

Data File: /var/chem/gcms/md.i/D021706I.b/icdb173.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
59 4-Nitroaniline	138	9.159	9.188	(1.080)	92243	40.0000	40.6
60 4,6-Dinitro-2-methylphenol	198	9.206	9.230	(0.923)	53845	40.0000	36.4
61 N-Ndpa / diphenylamine (ccc)	169	9.241	9.253	(0.926)	242939	40.0000	39.4
62 1,2-Diphenylhydrazine/azobnz	77	9.271	9.277	(0.929)	377876	40.0000	39.6
63 4-Bromophenyl phenyl ether	248	9.588	9.594	(0.961)	106490	40.0000	40.6
64 Hexachlorobenzene	284	9.711	9.717	(0.973)	131052	40.0000	40.0
65 Pentachlorophenol (ccc)	266	9.876	9.882	(0.990)	81844	40.0000	38.6
66 Phenanthrene	178	9.993	10.005	(1.002)	561807	40.0000	39.1
67 Anthracene	178	10.034	10.040	(1.006)	561913	40.0000	40.1
68 Carbazole	167	10.181	10.187	(1.021)	532007	40.0000	39.8
69 Di-n-butyl phthalate	149	10.522	10.522	(1.055)	594870	40.0000	39.2
70 Fluoranthene (ccc)	202	10.963	10.969	(1.099)	624260	40.0000	40.8
71 Pyrene	202	11.133	11.139	(0.923)	669343	40.0000	39.9
72 Butyl benzyl phthalate	149	11.633	11.633	(0.964)	294248	40.0000	39.5
73 Benzo(a)Anthracene	228	12.050	12.056	(0.999)	691877	40.0000	41.1
74 3,3'-Dichlorobenzidine	252	12.032	12.038	(0.998)	260588	40.0000	40.4
75 Chrysene	228	12.085	12.097	(1.002)	677353	40.0000	41.3
76 Bis(2-ethylhexyl) phthalate	149	12.097	12.103	(1.003)	380076	40.0000	39.3
77 Di-n-octyl phthalate (ccc)	149	12.637	12.643	(0.951)	666908	40.0000	38.8
78 Benzo(b)fluoranthene	252	12.978	12.990	(0.977)	816931	40.0000	45.9
79 Benzo(k)fluoranthene	252	12.996	13.013	(0.978)	702993	40.0000	38.0
80 Benzo(a)pyrene (ccc)	252	13.248	13.260	(0.997)	615871	40.0000	41.9
81 Indeno(1,2,3-cd)pyrene	276	14.318	14.341	(1.077)	674196	40.0000	41.3
82 Dibenz(a,h)anthracene	278	14.324	14.353	(1.078)	564477	40.0000	40.9
83 Benzo(g,h,i)perylene	276	14.606	14.635	(1.099)	574150	40.0000	41.1

Data File: /var/chem/gcms/md.i/D021706I.b/icdb173.d
Date : 17-FEB-2006 12:24
Client ID: VSTD040
Sample Info: ICDB173,,1,3,,VSTD040,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/icdb174.d
Report Date: 17-Feb-2006 14:09

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icdb174.d
Lab Smp Id: ICDB174 Client Smp ID: VSTD060
Inj Date : 17-FEB-2006 12:00
Operator : 60841 Inst ID: md.i
Smp Info : ICDB174,,1,4,,VSTD060,
Misc Info : D021706I,8270a9,8270dxnC13.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:09 wilesd Quant Type: ISTD
Cal Date : 13-FEB-2006 13:13 Cal File: a9db134.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270dxnC13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.218	4.218	(1.000)	61529	20.0000	
* 2 Naphthalene-d8	136	5.822	5.828	(1.000)	205701	20.0000	
* 3 Acenaphthene-d10	164	8.477	8.477	(1.000)	136276	20.0000	
* 4 Phenanthrene-d10	188	9.976	9.982	(1.000)	241927	20.0000	
* 5 Chrysene-d12	240	12.062	12.073	(1.000)	266257	20.0000	
* 6 Perylene-d12	264	13.295	13.301	(1.000)	243096	20.0000	
$ 7 2-Fluorophenol	112	3.060	3.066	(0.726)	245169	60.0000	57.0
$ 8 Phenol-d5	99	3.889	3.906	(0.922)	294658	60.0000	56.8
$ 9 Nitrobenzene-d5	82	4.882	4.893	(0.838)	271296	60.0000	58.5
$ 10 2-Fluorobiphenyl	172	7.549	7.555	(0.890)	521137	60.0000	58.0
$ 11 2,4,6-Tribromophenol	330	9.359	9.365	(0.938)	87856	60.0000	57.3
$ 12 Terphenyl-d14	244	11.257	11.257	(0.933)	743709	60.0000	57.4
$ 179 13C6-naphthalene	134	5.845	5.851	(1.004)	822716	60.0000	62.1
$ 180 Pentachlorophenol C13	272	9.876	9.881	(0.990)	151579	60.0000	61.8

Data File: /var/chem/gcms/md.i/D021706I.b/icdb174.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
175 1,4-Dioxane	88	1.891	1.896	(0.448)	80250	60.0000	54.3
13 N-Nitrosodimethylamine	74	2.097	2.102	(0.497)	113833	60.0000	55.4
14 Pyridine	79	2.114	2.114	(0.501)	222867	60.0000	54.3
15 Phenol (ccc)	94	3.906	3.918	(0.926)	309637	60.0000	56.4
16 Aniline	93	3.930	3.936	(0.932)	338289	60.0000	55.2
17 Bis(2-chloroethyl)ether	93	3.983	3.994	(0.944)	220808	60.0000	57.5
18 2-Chlorophenol	128	4.035	4.047	(0.957)	233379	60.0000	57.2
19 1,3-Dichlorobenzene	146	4.182	4.188	(0.992)	271110	60.0000	58.0
20 1,4-Dichlorobenzene (ccc)	146	4.235	4.241	(1.004)	270082	60.0000	57.2
21 Benzyl alcohol	108	4.376	4.388	(1.038)	154781	60.0000	56.9
22 1,2-Dichlorobenzene	146	4.429	4.435	(1.050)	260594	60.0000	57.6
23 2-Methylphenol	108	4.523	4.529	(1.072)	224322	60.0000	57.6
24 2,2'-Oxybis(1-Chloropropane)	45	4.558	4.564	(1.081)	372575	60.0000	56.6
25 4-Methylphenol	108	4.694	4.711	(1.113)	236176	60.0000	58.3
26 3&4 Methylphenol	108	4.694	4.711	(1.113)	236176	60.0000	58.3
27 N-Nitroso-di-n-propylamine###	70	4.723	4.741	(1.120)	173907	60.0000	57.5
28 Hexachloroethane	117	4.793	4.793	(1.137)	104638	60.0000	57.0
29 Nitrobenzene	77	4.905	4.917	(0.843)	260792	60.0000	58.0
30 Isophorone	82	5.211	5.228	(0.895)	476960	60.0000	57.1
31 2-Nitrophenol (ccc)	139	5.328	5.334	(0.915)	118124	60.0000	57.9
32 2,4-Dimethyphenol	107	5.399	5.410	(0.927)	265501	60.0000	58.7
33 Bis(2-chloroethoxy)methane	93	5.534	5.546	(0.951)	279723	60.0000	58.3
34 Benzoic acid	122	5.545	5.628	(0.953)	136918	60.0000	59.2
35 2,4-Dichlorophenol (ccc)	162	5.651	5.657	(0.971)	215925	60.0000	60.0
36 1,2,4-Trichlorobenzene	180	5.769	5.775	(0.991)	231827	60.0000	57.9
37 Naphthalene	128	5.851	5.857	(1.005)	696149	60.0000	58.1
38 4-Chloroaniline	127	5.963	5.974	(1.024)	290716	60.0000	56.0
39 Hexachlorobutadiene (ccc)	225	6.127	6.127	(1.052)	170694	60.0000	59.1
40 4-Chloro-3-methylphenol (ccc)	107	6.685	6.691	(1.148)	223384	60.0000	59.2
41 2-Methylnaphthalene	142	6.850	6.856	(1.177)	444508	60.0000	57.8
42 Hexachlorocyclopentadiene####	237	7.255	7.261	(0.856)	182701	60.0000	59.7
43 2,4,6-Trichlorophenol (ccc)	196	7.402	7.414	(0.873)	164604	60.0000	59.1
44 2,4,5-Trichlorphenol	196	7.461	7.473	(0.880)	184018	60.0000	59.8
45 2-Chloronaphthalene	162	7.672	7.684	(0.905)	472342	60.0000	57.6
46 2-Nitroaniline	65	7.902	7.913	(0.932)	149951	60.0000	57.5
47 Acenaphthylene	152	8.278	8.284	(0.976)	772181	60.0000	60.6
48 Dimethyl phthalate	163	8.237	8.248	(0.972)	541008	60.0000	57.4
49 2,6-Dinitrotoluene	165	8.307	8.319	(0.980)	116212	60.0000	57.6
50 3-Nitroaniline	138	8.466	8.483	(0.999)	137390	60.0000	57.0
51 Acenaphthene (ccc)	153	8.513	8.524	(1.004)	444440	60.0000	57.1
52 2,4-Dinitrophenol ##spcc##	184	8.589	8.601	(1.013)	50413	60.0000	54.3
53 Dibenzofuran	168	8.707	8.718	(1.027)	652076	60.0000	56.6
54 4-Nitrophenol ##spcc##	109	8.707	8.718	(1.027)	87234	60.0000	58.0
55 2,4-Dinitrotoluene	165	8.777	8.789	(1.035)	156654	60.0000	57.7
56 Fluorene	166	9.088	9.100	(1.072)	556260	60.0000	58.6
57 4-Chlorophenyl phenyl ether	204	9.112	9.118	(1.075)	278463	60.0000	58.3
58 Diethyl phthalate	149	9.083	9.089	(1.071)	527916	60.0000	56.9

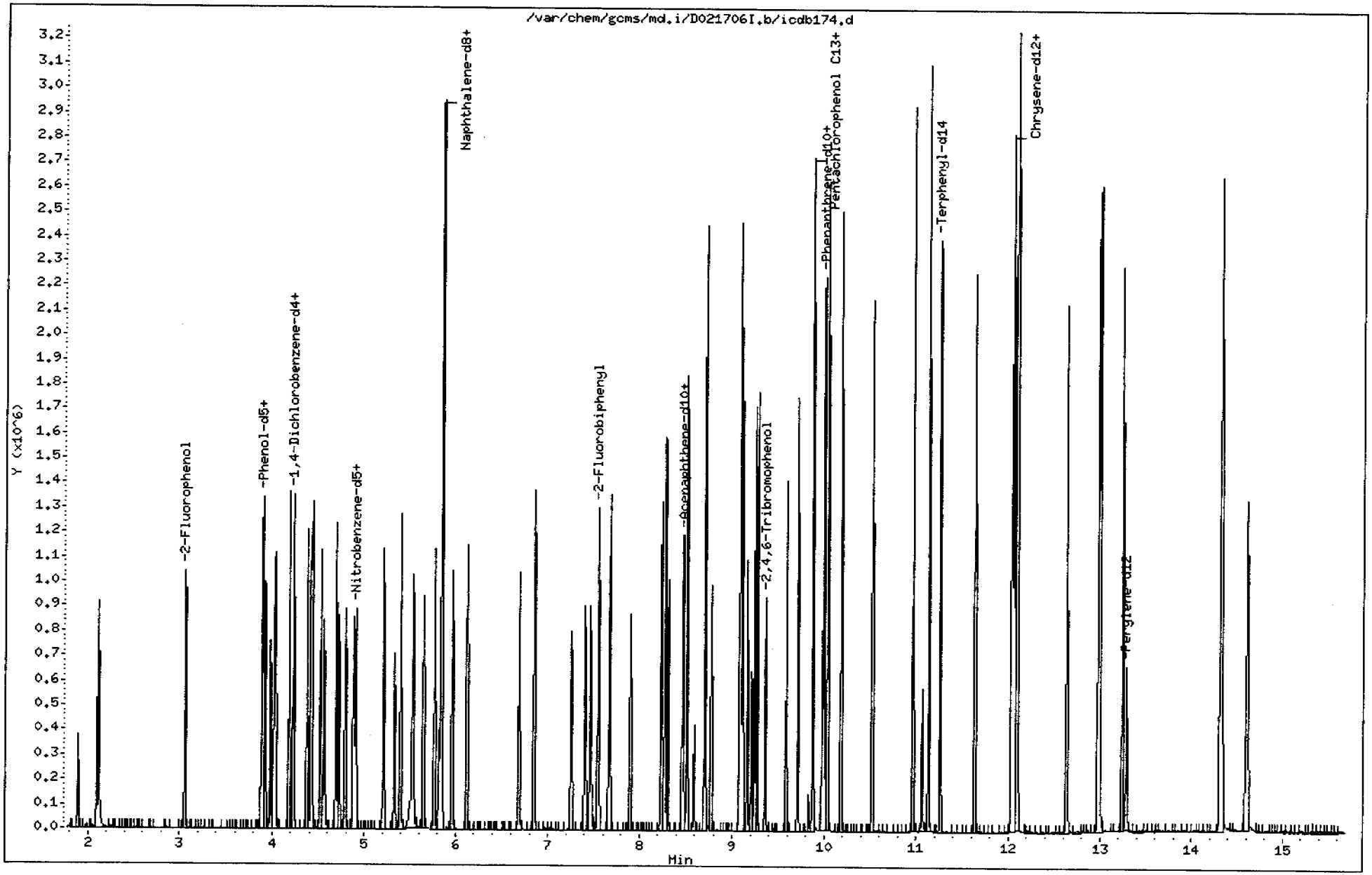
Data File: /var/chem/gcms/md.i/D021706I.b/icdb174.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
59 4-Nitroaniline	138	9.165	9.188	(1.081)	136734	60.0000	56.1
60 4,6-Dinitro-2-methylphenol	198	9.212	9.230	(0.923)	83467	60.0000	54.8
61 N-Ndpa / diphenylamine (ccc)	169	9.241	9.253	(0.926)	366767	60.0000	58.0
62 1,2-Diphenylhydrazine/azobnz	77	9.271	9.277	(0.929)	571333	60.0000	58.2
63 4-Bromophenyl phenyl ether	248	9.588	9.594	(0.961)	156564	60.0000	58.2
64 Hexachlorobenzene	284	9.711	9.717	(0.973)	196878	60.0000	58.5
65 Pentachlorophenol (ccc)	266	9.876	9.882	(0.990)	127891	60.0000	58.7
66 Phenanthrene	178	9.999	10.005	(1.002)	846111	60.0000	57.4
67 Anthracene	178	10.034	10.040	(1.006)	851988	60.0000	59.2
68 Carbazole	167	10.181	10.187	(1.021)	780413	60.0000	56.8
69 Di-n-butyl phthalate	149	10.522	10.522	(1.055)	914212	60.0000	58.6
70 Fluoranthene (ccc)	202	10.963	10.969	(1.099)	923217	60.0000	58.8
71 Pyrene	202	11.133	11.139	(0.923)	996274	60.0000	58.0
72 Butyl benzyl phthalate	149	11.633	11.633	(0.964)	436149	60.0000	57.2
73 Benzo(a)Anthracene	228	12.050	12.056	(0.999)	1007624	60.0000	58.4
74 3,3'-Dichlorobenzidine	252	12.032	12.038	(0.998)	389877	60.0000	59.1
75 Chrysene	228	12.085	12.097	(1.002)	964262	60.0000	57.4
76 Bis(2-ethylhexyl) phthalate	149	12.097	12.103	(1.003)	566958	60.0000	56.9
77 Di-n-octyl phthalate (ccc)	149	12.637	12.643	(0.950)	982273	60.0000	55.3
78 Benzo(b)fluoranthene	252	12.984	12.990	(0.977)	1072634	60.0000	58.3
79 Benzo(k)fluoranthene	252	13.002	13.013	(0.978)	1133520	60.0000	59.3
80 Benzo(a)pyrene (ccc)	252	13.248	13.260	(0.996)	928180	60.0000	61.1
81 Indeno(1,2,3-cd)pyrene	276	14.324	14.341	(1.077)	1047266	60.0000	61.9
82 Dibenz(a,h)anthracene	278	14.329	14.353	(1.078)	866969	60.0000	60.8
83 Benzo(g,h,i)perylene	276	14.612	14.635	(1.099)	879929	60.0000	60.9

Data File: /var/chem/gcms/md.i/D021706I.b/icdb174.d
Date : 17-FEB-2006 12:00
Client ID: VSTD060
Sample Info: ICDB174,,1,4,,VSTD060,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/icdb175.d
Report Date: 17-Feb-2006 14:09

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icdb175.d
Lab Smp Id: ICDB175 Client Smp ID: VSTD120
Inj Date : 17-FEB-2006 11:37
Operator : 60841 Inst ID: md.i
Smp Info : ICDB175,,1,5,,VSTD120,
Misc Info : D021706I,8270a9,8270dxnC13.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:09 wilesd Quant Type: ISTD
Cal Date : 13-FEB-2006 12:50 Cal File: a9db135.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270dxnC13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.217	4.218	(1.000)	62008	20.0000	
* 2 Naphthalene-d8	136	5.821	5.828	(1.000)	212868	20.0000	
* 3 Acenaphthene-d10	164	8.477	8.477	(1.000)	139591	20.0000	
* 4 Phenanthrene-d10	188	9.981	9.982	(1.000)	251426	20.0000	
* 5 Chrysene-d12	240	12.067	12.073	(1.000)	271608	20.0000	
* 6 Perylene-d12	264	13.295	13.301	(1.000)	236566	20.0000	
$ 7 2-Fluorophenol	112	3.066	3.066	(0.727)	544461	120.000	126
$ 8 Phenol-d5	99	3.900	3.906	(0.925)	673147	120.000	129
$ 9 Nitrobenzene-d5	82	4.887	4.893	(0.840)	602100	120.000	125
$ 10 2-Fluorobiphenyl	172	7.555	7.555	(0.891)	1168722	120.000	127
$ 11 2,4,6-Tribromophenol	330	9.364	9.365	(0.938)	211124	120.000	132
$ 12 Terphenyl-d14	244	11.256	11.257	(0.933)	1661818	120.000	126
$ 179 13C6-naphthalene	134	5.851	5.851	(1.005)	1662848	120.000	121(A)
$ 180 Pentachlorophenol C13	272	9.881	9.881	(0.990)	317721	120.000	120

Data File: /var/chem/gcms/md.i/D021706I.b/icdb175.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
175 1,4-Dioxane	88	1.896	1.896	(0.450)	3383	2.00000	2.27
13 N-Nitrosodimethylamine	74	2.096	2.102	(0.497)	255661	120.000	124
14 Pyridine	79	2.114	2.114	(0.501)	525047	120.000	127
15 Phenol (ccc)	94	3.912	3.918	(0.928)	705407	120.000	128
16 Aniline	93	3.929	3.936	(0.932)	759668	120.000	123
17 Bis(2-chloroethyl)ether	93	3.988	3.994	(0.946)	488525	120.000	126
18 2-Chlorophenol	128	4.041	4.047	(0.958)	515027	120.000	125
19 1,3-Dichlorobenzene	146	4.182	4.188	(0.992)	572841	120.000	122
20 1,4-Dichlorobenzene (ccc)	146	4.235	4.241	(1.004)	578935	120.000	122
21 Benzyl alcohol	108	4.382	4.388	(1.039)	356555	120.000	130
22 1,2-Dichlorobenzene	146	4.435	4.435	(1.052)	561821	120.000	123
23 2-Methylphenol	108	4.523	4.529	(1.072)	504522	120.000	128
24 2,2'-Oxybis(1-Chloropropane)	45	4.558	4.564	(1.081)	819538	120.000	124
25 4-Methylphenol	108	4.699	4.711	(1.114)	532824	120.000	130
26 3&4 Methylphenol	108	4.699	4.711	(1.114)	532824	120.000	130
27 N-Nitroso-di-n-propylamine###	70	4.734	4.741	(1.123)	382713	120.000	126
28 Hexachloroethane	117	4.793	4.793	(1.137)	226082	120.000	122
29 Nitrobenzene	77	4.911	4.917	(0.844)	570781	120.000	123
30 Isophorone	82	5.222	5.228	(0.897)	1089789	120.000	126
31 2-Nitrophenol (ccc)	139	5.334	5.334	(0.916)	270771	120.000	128
32 2,4-Dimethyphenol	107	5.404	5.410	(0.928)	598474	120.000	128
33 Bis(2-chloroethoxy)methane	93	5.539	5.546	(0.952)	625777	120.000	126
34 Benzoic acid	122	5.586	5.628	(0.960)	338819	120.000	142
35 2,4-Dichlorophenol (ccc)	162	5.657	5.657	(0.972)	478671	120.000	128
36 1,2,4-Trichlorobenzene	180	5.774	5.775	(0.992)	507566	120.000	122
37 Naphthalene	128	5.857	5.857	(1.006)	1543768	120.000	124
38 4-Chloroaniline	127	5.968	5.974	(1.025)	676371	120.000	126
39 Hexachlorobutadiene (ccc)	225	6.127	6.127	(1.052)	369100	120.000	123
40 4-Chloro-3-methylphenol (ccc)	107	6.691	6.691	(1.149)	511199	120.000	131
41 2-Methylnaphthalene	142	6.855	6.856	(1.178)	987924	120.000	124
42 Hexachlorocyclopentadiene####	237	7.261	7.261	(0.857)	418609	120.000	134
43 2,4,6-Trichlorophenol (ccc)	196	7.408	7.414	(0.874)	376996	120.000	132
44 2,4,5-Trichlorphenol	196	7.466	7.473	(0.881)	411690	120.000	130
45 2-Chloronaphthalene	162	7.678	7.684	(0.906)	1069935	120.000	127
46 2-Nitroaniline	65	7.907	7.913	(0.933)	351610	120.000	132
47 Acenaphthylene	152	8.277	8.284	(0.976)	1735427	120.000	133
48 Dimethyl phthalate	163	8.242	8.248	(0.972)	1229613	120.000	127
49 2,6-Dinitrotoluene	165	8.313	8.319	(0.981)	276854	120.000	134
50 3-Nitroaniline	138	8.477	8.483	(1.000)	323790	120.000	131
51 Acenaphthene (ccc)	153	8.518	8.524	(1.005)	1014731	120.000	127
52 2,4-Dinitrophenol ##spcc##	184	8.595	8.601	(1.014)	136842	120.000	124
53 Dibenzofuran	168	8.712	8.718	(1.028)	1505065	120.000	128
54 4-Nitrophenol ##spcc##	109	8.712	8.718	(1.028)	198651	120.000	129
55 2,4-Dinitrotoluene	165	8.783	8.789	(1.036)	370771	120.000	133
56 Fluorene	166	9.094	9.100	(1.073)	1266003	120.000	130
57 4-Chlorophenyl phenyl ether	204	9.112	9.118	(1.075)	619685	120.000	127
58 Diethyl phthalate	149	9.082	9.089	(1.071)	1206544	120.000	127

Data File: /var/chem/gcms/md.i/D021706I.b/icdb175.d
Report Date: 17-Feb-2006 14:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
59 4-Nitroaniline	138	9.176	9.188	(1.082)	332869	120.000	133
60 4,6-Dinitro-2-methylphenol	198	9.217	9.230	(0.923)	217071	120.000	137
61 N-Ndpa / diphenylamine (ccc)	169	9.247	9.253	(0.926)	837514	120.000	127
62 1,2-Diphenylhydrazine/azobnz	77	9.276	9.277	(0.929)	1295974	120.000	127
63 4-Bromophenyl phenyl ether	248	9.588	9.594	(0.961)	354402	120.000	127
64 Hexachlorobenzene	284	9.717	9.717	(0.974)	436476	120.000	125
65 Pentachlorophenol (ccc)	266	9.881	9.882	(0.990)	295475	120.000	130
66 Phenanthrene	178	9.999	10.005	(1.002)	1919714	120.000	125
67 Anthracene	178	10.040	10.040	(1.006)	1953597	120.000	130
68 Carbazole	167	10.187	10.187	(1.021)	1822916	120.000	128
69 Di-n-butyl phthalate	149	10.522	10.522	(1.054)	2090832	120.000	129
70 Fluoranthene (ccc)	202	10.962	10.969	(1.098)	2137276	120.000	131
71 Pyrene	202	11.133	11.139	(0.923)	2256857	120.000	129
72 Butyl benzyl phthalate	149	11.632	11.633	(0.964)	1007281	120.000	129
73 Benzo(a)Anthracene	228	12.055	12.056	(0.999)	2249273	120.000	128
74 3,3'-Dichlorobenzidine	252	12.032	12.038	(0.997)	859820	120.000	128
75 Chrysene	228	12.091	12.097	(1.002)	2087019	120.000	122
76 Bis(2-ethylhexyl) phthalate	149	12.096	12.103	(1.002)	1308749	120.000	128
77 Di-n-octyl phthalate (ccc)	149	12.643	12.643	(0.951)	2327198	120.000	134
78 Benzo(b)fluoranthene	252	12.984	12.990	(0.977)	2364748	120.000	132
79 Benzo(k)fluoranthene	252	13.007	13.013	(0.978)	2282033	120.000	123
80 Benzo(a)pyrene (ccc)	252	13.254	13.260	(0.997)	1964236	120.000	133
81 Indeno(1,2,3-cd)pyrene	276	14.335	14.341	(1.078)	2179354	120.000	132
82 Dibenz(a,h)anthracene	278	14.341	14.353	(1.079)	1851561	120.000	133
83 Benzo(g,h,i)perylene	276	14.623	14.635	(1.100)	1837744	120.000	131

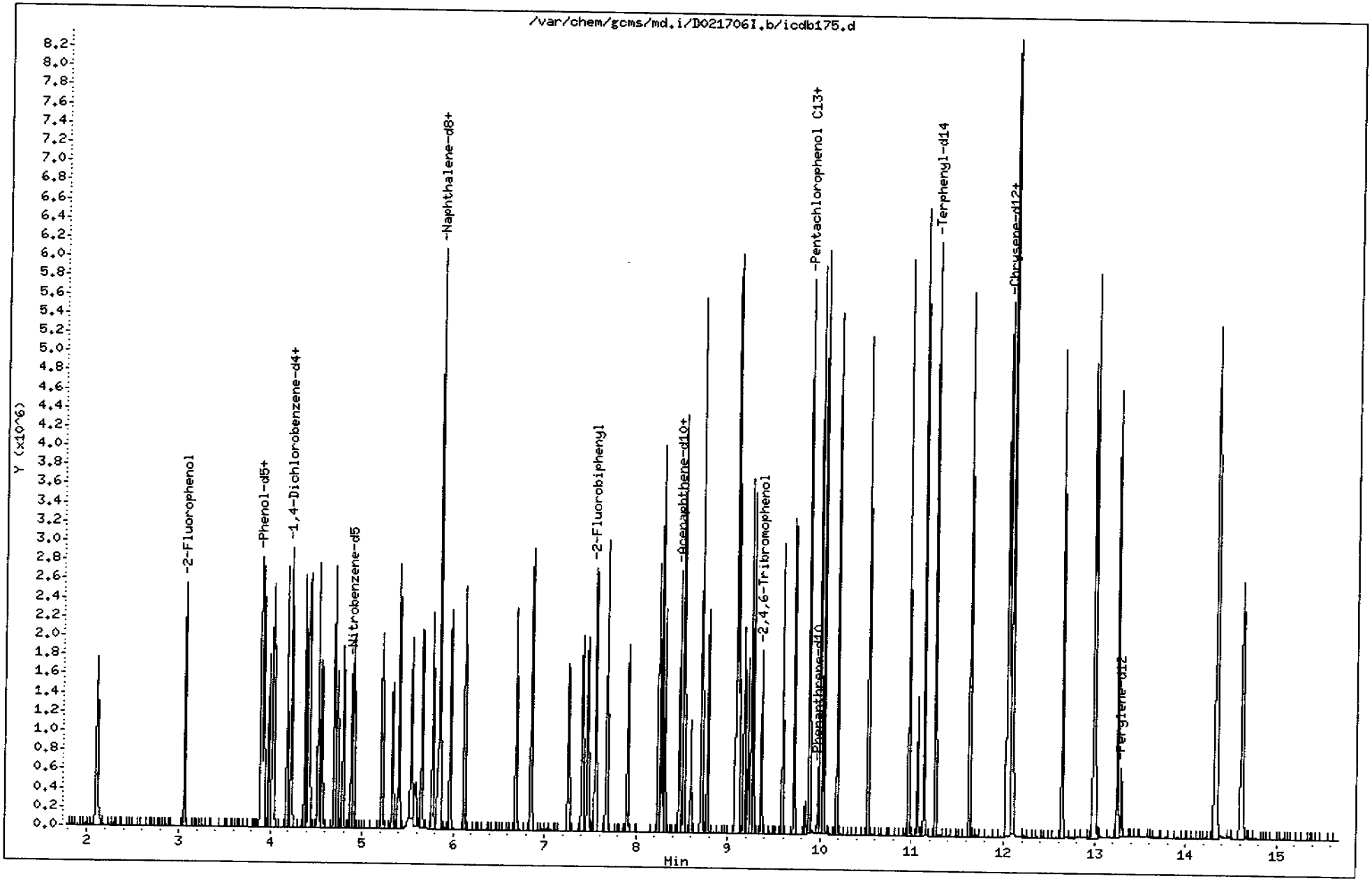
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D021706I.b/icdb175.d
Date : 17-FEB-2006 11:37
Client ID: VSTD120
Sample Info: ICDB175,,1,5,,VSTD120,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/icdb178.d
Report Date: 17-Feb-2006 14:10

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icdb178.d
Lab Smp Id: ICDB178 Client Smp ID: VSTD200
Inj Date : 17-FEB-2006 11:14
Operator : 60841 Inst ID: md.i
Smp Info : ICDB178,,1,8,,VSTD200,
Misc Info : D021706I,8270a9,8270.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:09 wilesd Quant Type: ISTD
Cal Date : 13-FEB-2006 12:27 Cal File: a9db138.d
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.218	4.218	(1.000)	68543	20.0000	
* 2 Naphthalene-d8	136	5.828	5.828	(1.000)	224314	20.0000	
* 3 Acenaphthene-d10	164	8.477	8.477	(1.000)	148472	20.0000	
* 4 Phenanthrene-d10	188	9.982	9.982	(1.000)	263913	20.0000	
* 5 Chrysene-d12	240	12.073	12.073	(1.000)	285436	20.0000	
* 6 Perylene-d12	264	13.301	13.301	(1.000)	241852	20.0000	
$ 7 2-Fluorophenol	112	3.066	3.066	(0.727)	976458	200.000	204(A)
$ 8 Phenol-d5	99	3.906	3.906	(0.926)	1189154	200.000	206(A)
$ 9 Nitrobenzene-d5	82	4.893	4.893	(0.840)	1047958	200.000	207(A)
$ 10 2-Fluorobiphenyl	172	7.555	7.555	(0.891)	1985163	200.000	203(A)
$ 11 2,4,6-Tribromophenol	330	9.365	9.365	(0.938)	358580	200.000	214(A)
$ 12 Terphenyl-d14	244	11.257	11.257	(0.932)	2772926	200.000	200(A)
13 N-Nitrosodimethylamine	74	2.102	2.102	(0.498)	452572	200.000	198(A)
14 Pyridine	79	2.114	2.114	(0.501)	908159	200.000	198(A)

Data File: /var/chem/gcms/md.i/D021706I.b/icdb178.d
Report Date: 17-Feb-2006 14:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
15 Phenol (ccc)	94	3.918	3.918	(0.929)	1342361	200.000	220(A)
16 Aniline	93	3.936	3.936	(0.933)	1318665	200.000	193(A)
17 Bis(2-chloroethyl)ether	93	3.994	3.994	(0.947)	856408	200.000	200(A)
18 2-Chlorophenol	128	4.047	4.047	(0.960)	914256	200.000	201(A)
19 1,3-Dichlorobenzene	146	4.188	4.188	(0.993)	993183	200.000	191(A)
20 1,4-Dichlorobenzene (ccc)	146	4.241	4.241	(1.006)	999638	200.000	190(A)
21 Benzyl alcohol	108	4.388	4.388	(1.040)	623525	200.000	206(A)
22 1,2-Dichlorobenzene	146	4.435	4.435	(1.052)	989028	200.000	196(A)
23 2-Methylphenol	108	4.529	4.529	(1.074)	893707	200.000	206(A)
24 2,2'-Oxybis(1-Chloropropane)	45	4.564	4.564	(1.082)	1445131	200.000	197(A)
25 4-Methylphenol	108	4.711	4.711	(1.117)	936653	200.000	208(A)
26 3&4 Methylphenol	108	4.711	4.711	(1.117)	936653	200.000	208(A)
27 N-Nitroso-di-n-propylamine###	70	4.741	4.741	(1.124)	668666	200.000	198(A)
28 Hexachloroethane	117	4.793	4.793	(1.137)	392358	200.000	192(A)
29 Nitrobenzene	77	4.917	4.917	(0.844)	1007755	200.000	206(A)
30 Isophorone	82	5.228	5.228	(0.897)	1881106	200.000	207(A)
31 2-Nitrophenol (ccc)	139	5.334	5.334	(0.915)	468826	200.000	211(A)
32 2,4-Dimethyphenol	107	5.410	5.410	(0.928)	1058238	200.000	215(A)
33 Bis(2-chloroethoxy)methane	93	5.546	5.546	(0.952)	1092754	200.000	209(A)
34 Benzoic acid	122	5.628	5.628	(0.966)	555534	200.000	218(A)
35 2,4-Dichlorophenol (ccc)	162	5.657	5.657	(0.971)	828510	200.000	211(A)
36 1,2,4-Trichlorobenzene	180	5.775	5.775	(0.991)	870298	200.000	199(A)
37 Naphthalene	128	5.857	5.857	(1.005)	2691668	200.000	206(A)
38 4-Chloroaniline	127	5.974	5.974	(1.025)	1142678	200.000	202(A)
39 Hexachlorobutadiene (ccc)	225	6.127	6.127	(1.051)	617187	200.000	196(A)
40 4-Chloro-3-methylphenol (ccc)	107	6.691	6.691	(1.148)	863389	200.000	210(A)
41 2-Methylnaphthalene	142	6.856	6.856	(1.176)	1714204	200.000	204(A)
42 Hexachlorocyclopentadiene####	237	7.261	7.261	(0.857)	671346	200.000	201(A)
43 2,4,6-Trichlorophenol (ccc)	196	7.414	7.414	(0.875)	643363	200.000	212(A)
44 2,4,5-Trichlorphenol	196	7.473	7.473	(0.881)	712187	200.000	212(A)
45 2-Chloronaphthalene	162	7.684	7.684	(0.906)	1840908	200.000	206(A)
46 2-Nitroaniline	65	7.913	7.913	(0.933)	614486	200.000	216(A)
47 Acenaphthylene	152	8.284	8.284	(0.977)	2954390	200.000	213(A)
48 Dimethyl phthalate	163	8.248	8.248	(0.973)	2108946	200.000	205(A)
49 2,6-Dinitrotoluene	165	8.319	8.319	(0.981)	479321	200.000	218(A)
50 3-Nitroaniline	138	8.483	8.483	(1.001)	559820	200.000	213(A)
51 Acenaphthene (ccc)	153	8.524	8.524	(1.006)	1740109	200.000	205(A)
52 2,4-Dinitrophenol ##spcc##	184	8.601	8.601	(1.015)	241143	200.000	199(A)
53 Dibenzofuran	168	8.718	8.718	(1.028)	2535172	200.000	202(A)
54 4-Nitrophenol ##spcc##	109	8.718	8.718	(1.028)	334719	200.000	204(A)
55 2,4-Dinitrotoluene	165	8.789	8.789	(1.037)	627851	200.000	212(A)
56 Fluorene	166	9.100	9.100	(1.073)	2084636	200.000	202(A)
57 4-Chlorophenyl phenyl ether	204	9.118	9.118	(1.076)	1041970	200.000	200(A)
58 Diethyl phthalate	149	9.089	9.089	(1.072)	2039421	200.000	202(A)
59 4-Nitroaniline	138	9.188	9.188	(1.084)	567347	200.000	214(A)
60 4,6-Dinitro-2-methylphenol	198	9.230	9.230	(0.925)	382737	200.000	230(A)
61 N-Ndpa / diphenylamine (ccc)	169	9.253	9.253	(0.927)	1400618	200.000	203(A)

Data File: /var/chem/gcms/md.i/D021706I.b/icdb178.d
Report Date: 17-Feb-2006 14:10

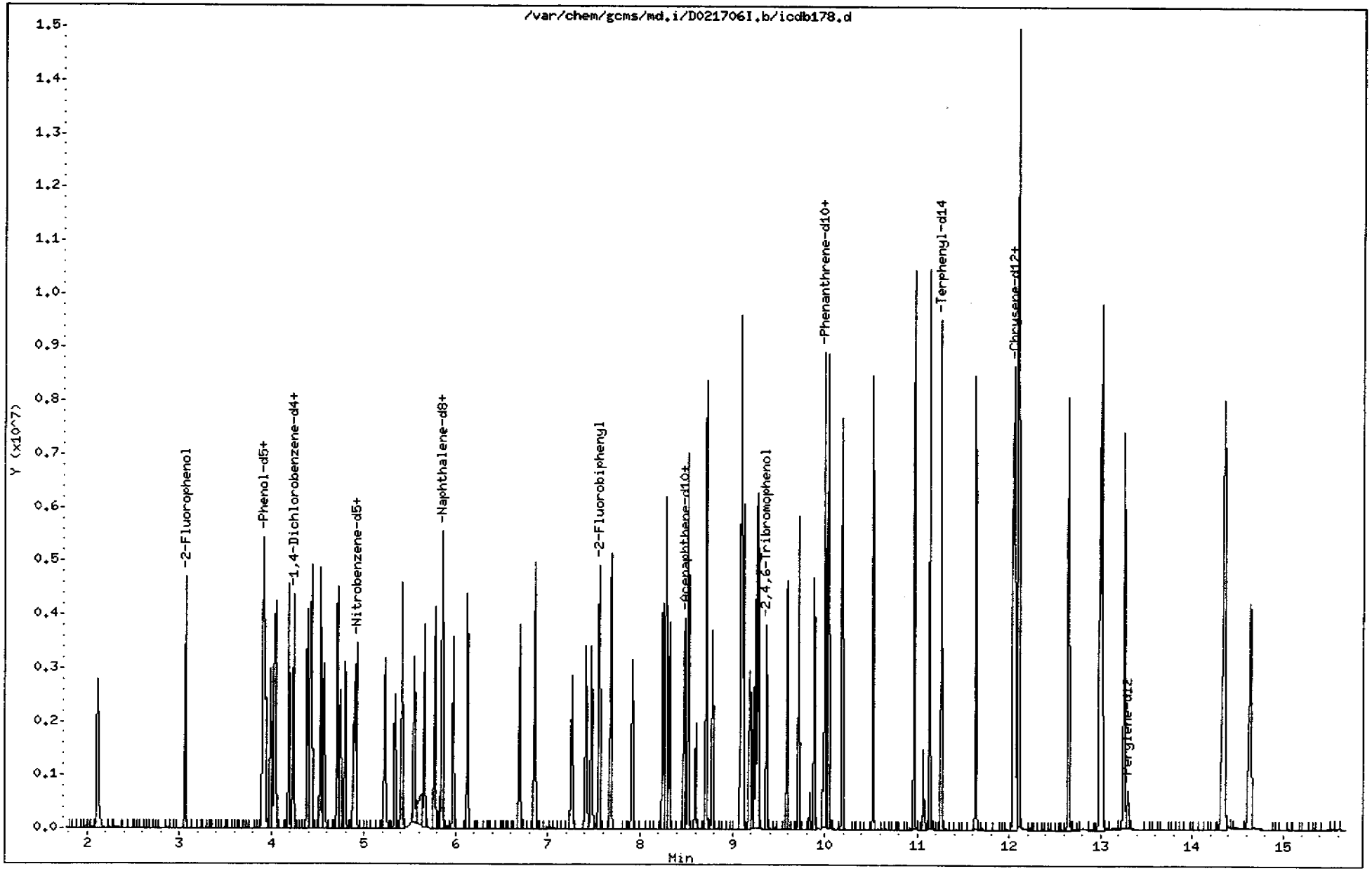
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
62 1,2-Diphenylhydrazine/azobnz	77	9.277	9.277	(0.929)	2278513	200.000	213(A)
63 4-Bromophenyl phenyl ether	248	9.594	9.594	(0.961)	596142	200.000	203(A)
64 Hexachlorobenzene	284	9.717	9.717	(0.974)	731632	200.000	199(A)
65 Pentachlorophenol (ccc)	266	9.882	9.882	(0.990)	517212	200.000	218(A)
66 Phenanthrene	178	10.005	10.005	(1.002)	3214509	200.000	200(A)
67 Anthracene	178	10.040	10.040	(1.006)	3226709	200.000	205(A)
68 Carbazole	167	10.187	10.187	(1.021)	3139315	200.000	209(A)
69 Di-n-butyl phthalate	149	10.522	10.522	(1.054)	3481430	200.000	205(A)
70 Fluoranthene (ccc)	202	10.969	10.969	(1.099)	3476155	200.000	203(A)
71 Pyrene	202	11.139	11.139	(0.923)	3670171	200.000	199(A)
72 Butyl benzyl phthalate	149	11.633	11.633	(0.964)	1690644	200.000	207(A)
73 Benzo(a)Anthracene	228	12.056	12.056	(0.999)	3704112	200.000	200(A)
74 3,3'-Dichlorobenzidine	252	12.038	12.038	(0.997)	1414037	200.000	200(A)
75 Chrysene	228	12.097	12.097	(1.002)	3268057	200.000	181(A)
76 Bis(2-ethylhexyl) phthalate	149	12.103	12.103	(1.002)	2110282	200.000	196(A)
77 Di-n-octyl phthalate (ccc)	149	12.643	12.643	(0.951)	3854965	200.000	218(A)
78 Benzo(b)fluoranthene	252	12.990	12.990	(0.977)	3886239	200.000	212(A)
79 Benzo(k)fluoranthene	252	13.013	13.013	(0.978)	3741793	200.000	197(A)
80 Benzo(a)pyrene (ccc)	252	13.260	13.260	(0.997)	3250631	200.000	215(A)
81 Indeno(1,2,3-cd)pyrene	276	14.341	14.341	(1.078)	3700759	200.000	220(A)
82 Dibenz(a,h)anthracene	278	14.353	14.353	(1.079)	3123257	200.000	220(A)
83 Benzo(g,h,i)perylene	276	14.635	14.635	(1.100)	3129634	200.000	218(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D021706I.b/icdb178.d
Date : 17-FEB-2006 11:14
Client ID: VSTD200
Sample Info: ICDB178,,1,8,,VSTD200,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Report Date: 17-Feb-2006 14:21

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Lab Smp Id: ICVDB17 Client Smp ID: SECOND SOURCE
Inj Date : 17-FEB-2006 13:57
Operator : 60841 Inst ID: md.i
Smp Info : ICVDB17,,3,,,SECOND SOURCE,
Misc Info : D021706I,8270a9,8270dxnC13.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D021706I.b/8270a9.m
Meth Date : 17-Feb-2006 14:20 mcgeek Quant Type: ISTD
Cal Date : 13-FEB-2006 13:13 Cal File: a9db134.d
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270dxnC13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.218	4.218	(1.000)	57006	20.0000	
* 2 Naphthalene-d8	136	5.816	5.822	(1.000)	206949	20.0000	
* 3 Acenaphthene-d10	164	8.477	8.477	(1.000)	134736	20.0000	
* 4 Phenanthrene-d10	188	9.976	9.976	(1.000)	235892	20.0000	
* 5 Chrysene-d12	240	12.062	12.062	(1.000)	256504	20.0000	
* 6 Perylene-d12	264	13.295	13.295	(1.000)	220898	20.0000	
$ 179 13C6-naphthalene	134	5.816	5.845	(1.000)	19144	1.43663	1.44(R)
$ 180 Pentachlorophenol C13	272	9.876	9.876	(0.990)	4319	6.59296	6.59(R)
175 1,4-Dioxane	88	1.891	1.891	(0.448)	72223	52.7536	52.8
13 N-Nitrosodimethylamine	74	2.097	2.097	(0.497)	116165	61.0523	61.0
14 Pyridine	79	2.114	2.114	(0.501)	203977	53.6146	53.6
15 Phenol (ccc)	94	3.900	3.906	(0.925)	272634	53.6413	53.6
16 Aniline	93	3.924	3.930	(0.930)	323270	56.9577	57.0

Data File: /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Report Date: 17-Feb-2006 14:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
17 Bis(2-chloroethyl)ether	93	3.983	3.983	(0.944)	189601	53.3075	53.3
18 2-Chlorophenol	128	4.036	4.035	(0.957)	208987	55.3063	55.3
19 1,3-Dichlorobenzene	146	4.182	4.182	(0.992)	237222	54.8220	54.8
20 1,4-Dichlorobenzene (ccc)	146	4.235	4.235	(1.004)	243175	55.6302	55.6
21 Benzyl alcohol	108	4.376	4.376	(1.038)	142684	56.6099	56.6
22 1,2-Dichlorobenzene	146	4.429	4.429	(1.050)	228592	54.5639	54.6
23 2-Methylphenol	108	4.517	4.523	(1.071)	200370	55.4950	55.5
24 2,2'-Oxybis(1-Chloropropane)	45	4.558	4.558	(1.081)	337936	55.4396	55.4
25 4-Methylphenol	108	4.694	4.694	(1.113)	216053	57.5619	57.6
26 3&4 Methylphenol	108	4.694	4.694	(1.113)	216053	57.5619	57.6
27 N-Nitroso-di-n-propylamine###	70	4.723	4.723	(1.120)	156423	55.8489	55.8
28 Hexachloroethane	117	4.793	4.793	(1.137)	91882	54.0468	54.0
29 Nitrobenzene	77	4.905	4.905	(0.843)	230737	51.0147	51.0
30 Isophorone	82	5.211	5.211	(0.896)	406286	48.3787	48.4
31 2-Nitrophenol (ccc)	139	5.328	5.328	(0.916)	105818	51.5971	51.6
32 2,4-Dimethyphenol	107	5.399	5.399	(0.928)	230448	50.6627	50.7
33 Bis(2-chloroethoxy)methane	93	5.534	5.534	(0.952)	252588	52.3015	52.3
34 Benzoic acid	122	5.534	5.545	(0.952)	114313	48.6309	48.6
35 2,4-Dichlorophenol (ccc)	162	5.645	5.651	(0.971)	189374	52.3305	52.3
36 1,2,4-Trichlorobenzene	180	5.769	5.769	(0.992)	208720	51.8162	51.8
37 Naphthalene	128	5.845	5.851	(1.005)	607255	50.4091	50.4
38 4-Chloroaniline	127	5.963	5.963	(1.025)	269731	51.6369	51.6
39 Hexachlorobutadiene (ccc)	225	6.121	6.127	(1.053)	140839	48.4578	48.4
40 4-Chloro-3-methylphenol (ccc)	107	6.685	6.685	(1.150)	199859	52.6145	52.6
41 2-Methylnaphthalene	142	6.850	6.850	(1.178)	395684	51.1501	51.2
42 Hexachlorocyclopentadiene####	237	7.255	7.255	(0.856)	152535	50.4376	50.4
43 2,4,6-Trichlorophenol (ccc)	196	7.402	7.402	(0.873)	149304	54.2282	54.2
44 2,4,5-Trichlorphenol	196	7.461	7.461	(0.880)	159893	52.5164	52.5
45 2-Chloronaphthalene	162	7.673	7.672	(0.905)	445275	54.9552	55.0
46 2-Nitroaniline	65	7.896	7.902	(0.931)	132479	51.3830	51.4
47 Acenaphthylene	152	8.278	8.278	(0.976)	708638	56.2352	56.2
48 Dimethyl phthalate	163	8.237	8.237	(0.972)	506822	54.3676	54.4
49 2,6-Dinitrotoluene	165	8.307	8.307	(0.980)	113515	56.9651	57.0
50 3-Nitroaniline	138	8.466	8.466	(0.999)	124022	52.0122	52.0
51 Acenaphthene (ccc)	153	8.513	8.513	(1.004)	411238	53.4624	53.5
52 2,4-Dinitrophenol ##spcc##	184	8.589	8.589	(1.013)	44594	49.7936	49.8
53 Dibenzofuran	168	8.707	8.707	(1.027)	624253	54.8006	54.8
54 4-Nitrophenol ##spcc##	109	8.701	8.707	(1.026)	76212	51.2468	51.2
55 2,4-Dinitrotoluene	165	8.777	8.777	(1.035)	145440	54.1800	54.2
56 Fluorene	166	9.089	9.088	(1.072)	518850	55.3060	55.3
57 4-Chlorophenyl phenyl ether	204	9.112	9.112	(1.075)	265490	56.2187	56.2
58 Diethyl phthalate	149	9.077	9.083	(1.071)	504937	55.0341	55.0
59 4-Nitroaniline	138	9.165	9.165	(1.081)	122567	50.8264	50.8
60 4,6-Dinitro-2-methylphenol	198	9.212	9.212	(0.923)	71107	47.9107	47.9
61 N-Ndpa / diphenylamine (ccc)	169	9.241	9.241	(0.926)	421798	68.3643	68.4
62 1,2-Diphenylhydrazine/azobnz	77	9.271	9.271	(0.929)	496183	51.8543	51.8
63 4-Bromophenyl phenyl ether	248	9.588	9.588	(0.961)	162856	62.0372	62.0

Data File: /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Report Date: 17-Feb-2006 14:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
64 Hexachlorobenzene	284	9.711	9.711	(0.973)	178700	54.4511	54.4
65 Pentachlorophenol (ccc)	266	9.876	9.876	(0.990)	95540	44.9667	45.0
66 Phenanthrene	178	9.993	9.999	(1.002)	797061	55.4107	55.4
67 Anthracene	178	10.034	10.034	(1.006)	806544	57.4588	57.4
68 Carbazole	167	10.181	10.181	(1.021)	687770	51.3013	51.3
69 Di-n-butyl phthalate	149	10.522	10.522	(1.055)	848843	55.8327	55.8
70 Fluoranthene (ccc)	202	10.963	10.963	(1.099)	831425	54.3075	54.3
71 Pyrene	202	11.133	11.133	(0.923)	907012	54.8371	54.8
72 Butyl benzyl phthalate	149	11.633	11.633	(0.964)	388436	52.8343	52.8
73 Benzo(a)Anthracene	228	12.050	12.050	(0.999)	940046	56.5933	56.6
74 3,3'-Dichlorobenzidine	252	12.032	12.032	(0.998)	359780	56.5865	56.6
75 Chrysene	228	12.085	12.085	(1.002)	901224	55.6650	55.7
76 Bis(2-ethylhexyl) phthalate	149	12.097	12.097	(1.003)	526360	54.8772	54.9
77 Di-n-octyl phthalate (ccc)	149	12.637	12.637	(0.950)	898231	55.6172	55.6
78 Benzo(b)fluoranthene	252	12.978	12.984	(0.976)	993780	59.4836	59.5
79 Benzo(k)fluoranthene	252	12.996	13.002	(0.977)	968979	55.8077	55.8
80 Benzo(a)pyrene (ccc)	252	13.248	13.248	(0.996)	849710	61.5328	61.5
81 Indeno(1,2,3-cd)pyrene	276	14.318	14.324	(1.077)	904194	58.8148	58.8
82 Dibenz(a,h)anthracene	278	14.330	14.329	(1.078)	752109	57.9758	58.0
83 Benzo(g,h,i)perylene	276	14.606	14.612	(1.099)	761487	58.0008	58.0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Report Date: 17-Feb-2006 14:21

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: icvdb17.d
Lab Smp Id: ICVDB17
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Calibration Date: 17-FEB-2006
Calibration Time: 12:00
Client Smp ID: SECOND SOURCE
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/md.i/D021706I.b/8270a9.m
Misc Info: D021706I,8270a9,8270dxnC13.sub

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61529	30764	123058	57006	-7.35
2 Naphthalene-d8	205701	102850	411402	206949	0.61
3 Acenaphthene-d10	136276	68138	272552	134736	-1.13
4 Phenanthrene-d10	241927	120964	483854	235892	-2.49
5 Chrysene-d12	266257	133128	532514	256504	-3.66
6 Perylene-d12	243096	121548	486192	220898	-9.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.22	3.72	4.72	4.22	0.00
2 Naphthalene-d8	5.82	5.32	6.32	5.82	-0.10
3 Acenaphthene-d10	8.48	7.98	8.98	8.48	0.00
4 Phenanthrene-d10	9.98	9.48	10.48	9.98	0.00
5 Chrysene-d12	12.06	11.56	12.56	12.06	0.00
6 Perylene-d12	13.30	12.80	13.80	13.30	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Report Date: 17-Feb-2006 14:21

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: ICVDB17
Level: LOW
Data Type: MS DATA
SpikeList File: 8270ss.spk
Sublist File: 8270dxnC13.sub
Method File: /var/chem/gcms/md.i/D021706I.b/8270a9.m
Misc Info: D021706I,8270a9,8270dxnC13.sub

Client SDG: D021706I
Fraction: SV
Client Smp ID: SECOND SOURCE
Operator: 60841
SampleType: BLANK
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	60.0	0.00	*	70-130
$ 8 Phenol-d5	60.0	0.00	*	70-130
$ 9 Nitrobenzene-d5	60.0	0.00	*	70-130
$ 10 2-Fluorobiphenyl	60.0	0.00	*	70-130
$ 11 2,4,6-Tribromophe	60.0	0.00	*	70-130
$ 12 Terphenyl-d14	60.0	0.00	*	70-130
175 1,4-Dioxane	60.0	52.8	87.92	70-130
13 N-Nitrosodimethyla	60.0	61.0	101.75	70-130
14 Pyridine	60.0	53.6	89.36	70-130
15 Phenol (ccc)	60.0	53.6	89.40	70-130
16 Aniline	60.0	57.0	94.93	70-130
17 Bis(2-chloroethyl)	60.0	53.3	88.85	70-130
18 2-Chlorophenol	60.0	55.3	92.18	70-130
19 1,3-Dichlorobenzen	60.0	54.8	91.37	70-130
20 1,4-Dichlorobenzen	60.0	55.6	92.72	70-130
21 Benzyl alcohol	60.0	56.6	94.35	70-130
22 1,2-Dichlorobenzen	60.0	54.6	90.94	70-130
23 2-Methylphenol	60.0	55.5	92.49	70-130
24 2,2'-Oxybis(1-Chlo	60.0	55.4	92.40	70-130
25 4-Methylphenol	60.0	57.6	95.94	70-130
26 3&4 Methylphenol	60.0	57.6	95.94	70-130
27 N-Nitroso-di-n-pro	60.0	55.8	93.08	70-130
28 Hexachloroethane	60.0	54.0	90.08	70-130
29 Nitrobenzene	60.0	51.0	85.02	70-130
30 Isophorone	60.0	48.4	80.63	70-130
31 2-Nitrophenol (ccc	60.0	51.6	86.00	70-130
32 2,4-Dimethyphenol	60.0	50.7	84.44	70-130
33 Bis(2-chloroethoxy	60.0	52.3	87.17	70-130
34 Benzoic acid	60.0	48.6	81.05	70-130
35 2,4-Dichlorophenol	60.0	52.3	87.22	70-130
36 1,2,4-Trichloroben	60.0	51.8	86.36	70-130
37 Naphthalene	60.0	50.4	84.02	70-130
38 4-Chloroaniline	60.0	51.6	86.06	70-130

NA
RPH 2/17/06

Data File: /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Report Date: 17-Feb-2006 14:21

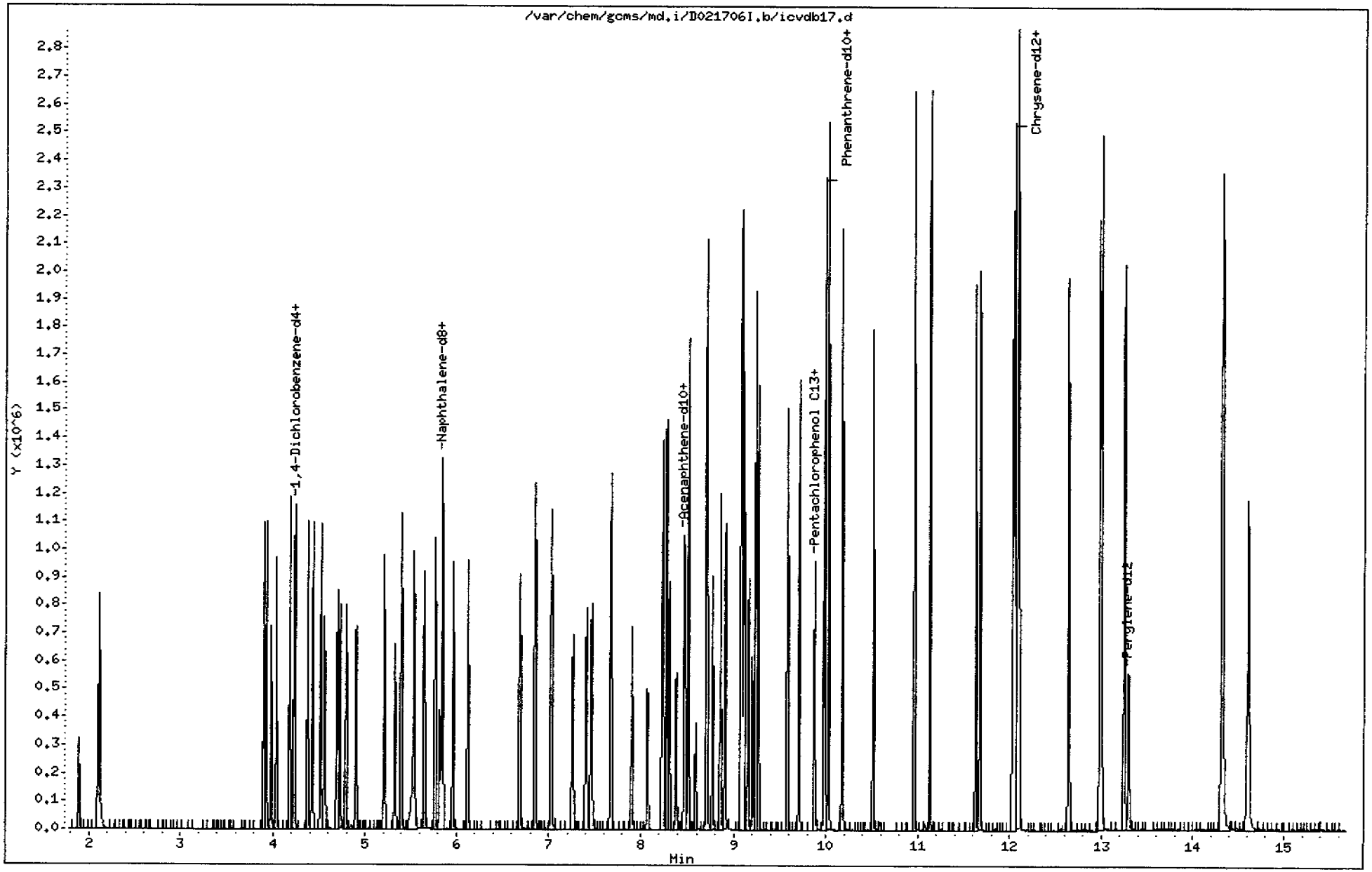
SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
39 Hexachlorobutadien	60.0	48.4	80.76	70-130
40 4-Chloro-3-methylp	60.0	52.6	87.69	70-130
41 2-Methylnaphthalen	60.0	51.2	85.25	70-130
42 Hexachlorocyclopen	60.0	50.4	84.06	70-130
43 2,4,6-Trichlorophe	60.0	54.2	90.38	70-130
44 2,4,5-Trichlorphen	60.0	52.5	87.53	70-130
45 2-Chloronaphthalen	60.0	55.0	91.59	70-130
46 2-Nitroaniline	60.0	51.4	85.64	70-130
47 Acenaphthylene	60.0	56.2	93.73	70-130
48 Dimethyl phthalate	60.0	54.4	90.61	70-130
49 2,6-Dinitrotoluene	60.0	57.0	94.94	70-130
50 3-Nitroaniline	60.0	52.0	86.69	70-130
51 Acenaphthene (ccc)	60.0	53.5	89.10	70-130
52 2,4-Dinitrophenol	60.0	49.8	82.99	70-130
53 Dibenzofuran	60.0	54.8	91.33	70-130
54 4-Nitrophenol ##sp	60.0	51.2	85.41	70-130
55 2,4-Dinitrotoluene	60.0	54.2	90.30	70-130
56 Fluorene	60.0	55.3	92.18	70-130
57 4-Chlorophenyl phe	60.0	56.2	93.70	70-130
58 Diethyl phthalate	60.0	55.0	91.72	70-130
59 4-Nitroaniline	60.0	50.8	84.71	70-130
60 4,6-Dinitro-2-meth	60.0	47.9	79.85	70-130
61 N-Ndpa / diphenyla	60.0	68.4	113.94	70-130
62 1,2-Diphenylhydraz	60.0	51.8	86.42	70-130
63 4-Bromophenyl phen	60.0	62.0	103.40	70-130
64 Hexachlorobenzene	60.0	54.4	90.75	70-130
65 Pentachlorophenol	60.0	45.0	74.94	70-130
66 Phenanthrene	60.0	55.4	92.35	70-130
67 Anthracene	60.0	57.4	95.76	70-130
68 Carbazole	60.0	51.3	85.50	70-130
69 Di-n-butyl phthala	60.0	55.8	93.05	70-130
70 Fluoranthene (ccc)	60.0	54.3	90.51	70-130
71 Pyrene	60.0	54.8	91.40	70-130
72 Butyl benzyl phtha	60.0	52.8	88.06	70-130
73 Benzo(a)Anthracene	60.0	56.6	94.32	70-130
74 3,3'-Dichlorobenzi	60.0	56.6	94.31	70-130
75 Chrysene	60.0	55.7	92.77	70-130
76 Bis(2-ethylhexyl)	60.0	54.9	91.46	70-130
77 Di-n-octyl phthala	60.0	55.6	92.70	70-130
78 Benzo(b)fluoranthe	60.0	59.5	99.14	70-130
79 Benzo(k)fluoranthe	60.0	55.8	93.01	70-130
80 Benzo(a)pyrene (cc	60.0	61.5	102.55	70-130
85 Benzo(e)pyrene	60.0	0.00	*	~~70-130~~ NA
81 Indeno(1,2,3-cd)py	60.0	58.8	98.02	70-130
82 Dibenz(a,h)anthrac	60.0	58.0	96.63	70-130
83 Benzo(g,h,i)peryle	60.0	58.0	96.67	70-130

RBM 2/17/06

Data File: /var/chem/gcms/md.i/D021706I.b/icvdb17.d
Date : 17-FEB-2006 13:57
Client ID: SECOND SOURCE
Sample Info: ICVDB17,,3,,,SECOND SOURCE,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/a9dc091.d
Report Date: 09-Mar-2006 16:31

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D030906I.b/a9dc091.d
Lab Smp Id: A9DC091 Client Smp ID: VSTD010
Inj Date : 09-MAR-2006 15:00
Operator : 60841 Inst ID: md.i
Smp Info : A9DC091,,1,1,,VSTD010,
Misc Info : D030906I,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D030906I.b/8270a9.m
Meth Date : 09-Mar-2006 16:30 mcgeek Quant Type: ISTD
Cal Date : 09-MAR-2006 15:00 Cal File: a9dc091.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.194	4.194	(1.000)	54132	20.0000	
* 2 Naphthalene-d8	136	5.792	5.792	(1.000)	185377	20.0000	
* 3 Acenaphthene-d10	164	8.454	8.454	(1.000)	114134	20.0000	
* 4 Phenanthrene-d10	188	9.958	9.958	(1.000)	192718	20.0000	
* 5 Chrysene-d12	240	12.038	12.038	(1.000)	182654	20.0000	
* 6 Perylene-d12	264	13.272	13.272	(1.000)	168227	20.0000	
176 2-Picoline	93	2.590	2.590	(0.618)	32227	10.0000	10.0
86 N-nitrosomethylethylamine	42	2.678	2.678	(0.639)	21035	10.0000	10.2
87 Methyl methanosulfonate	80	2.919	2.919	(0.696)	7882	10.0000	10.4
88 N-nitrosodiethylamine	102	3.242	3.242	(0.773)	14925	10.0000	9.85
89 Ethyl methanosulfonate	79	3.507	3.507	(0.836)	23119	10.0000	10.1
90 Pentachloroethane	167	3.912	3.912	(0.933)	13984	10.0000	10.4
91 acetophenone	105	4.658	4.658	(1.111)	46836	10.0000	10.3
92 m-cresol	108	4.682	4.682	(1.116)	34203	10.0000	10.2
93 n-nitrosopyrrolidine	100	4.646	4.646	(1.108)	18213	10.0000	10.4

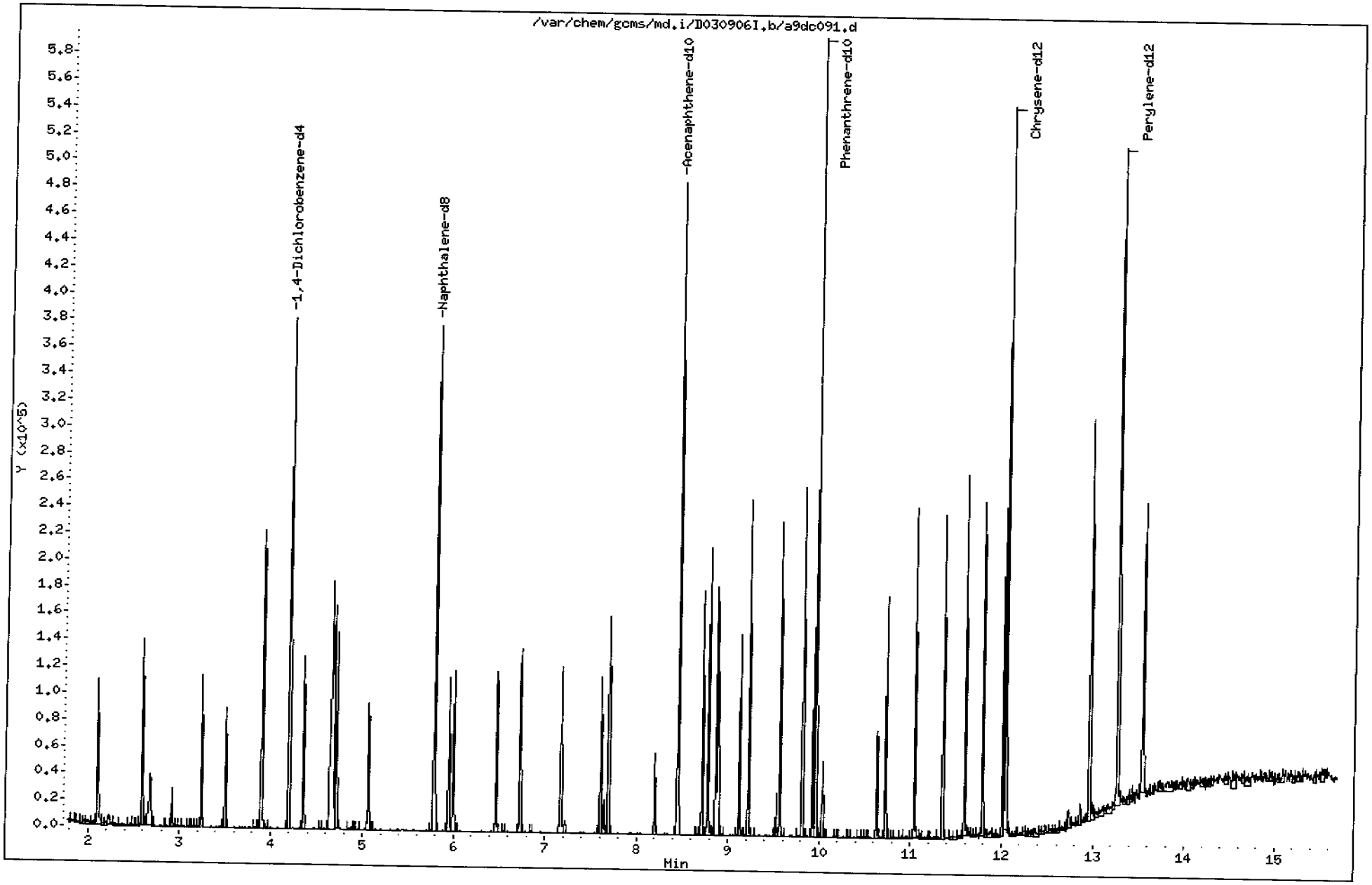
Data File: /var/chem/gcms/md.i/D030906I.b/a9dc091.d
Report Date: 09-Mar-2006 16:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
94 n-nitrosomorpholine	56	4.670	4.670	(1.113)	24377	10.0000	9.94
95 o-toluidine	106	4.717	4.717	(1.125)	43041	10.0000	9.51
96 n-nitrosopiperidine	42	5.064	5.064	(0.874)	27994	10.0000	10.4
97 2,6-dichlorophenol	162	5.951	5.951	(1.027)	30062	10.0000	10.5
98 hexachloropropene	213	5.998	5.998	(1.036)	24257	10.0000	10.3
99 N-nitro-di-n-butylamine	84	6.468	6.468	(1.117)	20371	10.0000	10.1
100 Isosafrole	162	6.726	6.726	(1.161)	26847	10.0000	10.5
101 1,2,4,5-tetrachlorobenzene	216	7.173	7.173	(1.238)	32249	10.0000	10.2
102 safrole	162	7.608	7.608	(0.900)	28270	10.0000	9.71
103 1-chloronaphthalene	162	7.696	7.696	(0.910)	60460	10.0000	10.2
104 m-dinitrobenzene	76	8.201	8.201	(0.970)	7808	10.0000	8.21
105 pentachlorobenzene	250	8.718	8.718	(1.031)	30524	10.0000	10.4
106 1-naphthylamine	143	8.783	8.783	(1.039)	64031	10.0000	10.2
107 2-naphthylamine	143	8.865	8.865	(1.049)	64016	10.0000	10.4
108 2,3,4,6-tetrachlorophenol	232	8.895	8.895	(1.052)	15763	10.0000	8.58
109 5-nitro-o-toluidine	152	9.124	9.124	(1.079)	19091	10.0000	9.67
110 diphenylamine	169	9.224	9.224	(1.091)	60097	10.0000	10.0
111 1,3,5-trinitrobenzene	75	9.523	9.523	(0.956)	7901	10.0000	14.2
112 phenacetin	108	9.564	9.564	(0.960)	37136	10.0000	10.7
113 4-aminobiphenyl	169	9.811	9.811	(0.985)	78078	10.0000	10.5
114 pentachloronitrobenzene	237	9.923	9.923	(0.996)	10109	10.0000	10.4
115 Dinoseb	211	10.034	10.034	(1.008)	9564	10.0000	8.00
84 Benzidine	184	11.045	11.045	(1.109)	79536	10.0000	10.1
116 p-(dimethylamino)azobenzene	120	11.351	11.351	(1.140)	29593	10.0000	10.2
117 o-tolidine	212	11.591	11.591	(1.164)	84259	10.0000	10.4
119 7,12-dimethylbenz(a)anthracen	256	12.966	12.966	(1.077)	52692	10.0000	10.4
118 2-acetylaminofluorene	181	11.785	11.785	(0.979)	48481	10.0000	10.1
120 3-methylcholanthrene	268	13.548	13.548	(1.021)	54542	10.0000	10.4

Data File: /var/chem/gcms/md.i/D030906I.b/a9dc091.d
Date : 09-MAR-2006 15:00
Client ID: VSTD010
Sample Info: A9DC091,,1,1,,VSTD010,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/a9dc092.d
Report Date: 09-Mar-2006 16:30

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D030906I.b/a9dc092.d
Lab Smp Id: A9DC092 Client Smp ID: VSTD025
Inj Date : 09-MAR-2006 14:36
Operator : 60841 Inst ID: md.i
Smp Info : A9DC092,,1,2,,VSTD025,
Misc Info : D030906I,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D030906I.b/8270a9.m
Meth Date : 09-Mar-2006 16:30 mcgeek Quant Type: ISTD
Cal Date : 09-MAR-2006 14:36 Cal File: a9dc092.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.194	4.194	(1.000)	49158	20.0000	
* 2 Naphthalene-d8	136	5.792	5.792	(1.000)	172667	20.0000	
* 3 Acenaphthene-d10	164	8.454	8.454	(1.000)	101680	20.0000	
* 4 Phenanthrene-d10	188	9.958	9.958	(1.000)	182038	20.0000	
* 5 Chrysene-d12	240	12.044	12.044	(1.000)	168827	20.0000	
* 6 Perylene-d12	264	13.272	13.272	(1.000)	162242	20.0000	
176 2-Picoline	93	2.590	2.590	(0.618)	72177	25.0000	24.7
86 N-nitrosomethylethylamine	42	2.678	2.678	(0.639)	44691	25.0000	23.9
87 Methyl methanosulfonate	80	2.919	2.919	(0.696)	17433	25.0000	25.4
88 N-nitrosodiethylamine	102	3.242	3.242	(0.773)	32966	25.0000	24.0
89 Ethyl methanosulfonate	79	3.507	3.507	(0.836)	53394	25.0000	25.7
90 Pentachloroethane	167	3.912	3.912	(0.933)	30790	25.0000	25.2
91 acetophenone	105	4.658	4.658	(1.111)	103690	25.0000	25.1
92 m-cresol	108	4.682	4.682	(1.116)	73480	25.0000	24.3
93 n-nitrosopyrrolidine	100	4.646	4.646	(1.108)	38415	25.0000	24.1

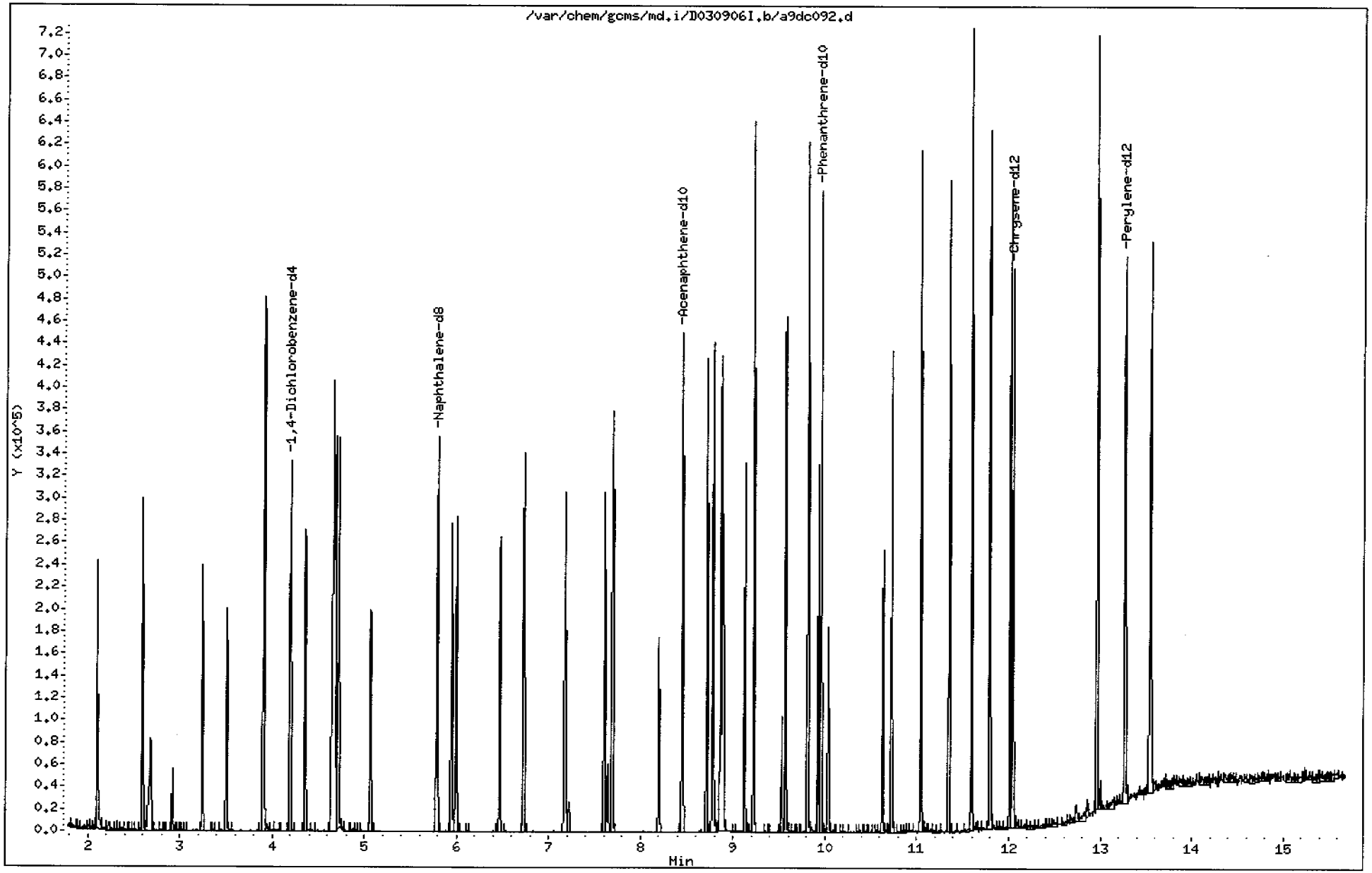
Data File: /var/chem/gcms/md.i/D030906I.b/a9dc092.d
Report Date: 09-Mar-2006 16:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
94 n-nitrosomorpholine	56	4.670	4.670	(1.113)	54802	25.0000	24.6
95 o-toluidine	106	4.717	4.717	(1.125)	104468	25.0000	25.4
96 n-nitrosopiperidine	42	5.064	5.064	(0.874)	61812	25.0000	24.6
97 2,6-dichlorophenol	162	5.951	5.951	(1.027)	67170	25.0000	25.2
98 hexachloropropene	213	5.998	5.998	(1.036)	56340	25.0000	25.7
99 N-nitro-di-n-butylamine	84	6.474	6.474	(1.118)	45740	25.0000	24.4
100 Isosafrole	162	6.726	6.726	(1.161)	59225	25.0000	24.9
101 1,2,4,5-tetrachlorobenzene	216	7.173	7.173	(1.238)	75319	25.0000	25.5
102 safrole	162	7.608	7.608	(0.900)	68487	25.0000	26.4
103 1-chloronaphthalene	162	7.696	7.696	(0.910)	140744	25.0000	26.5
104 m-dinitrobenzene	76	8.201	8.201	(0.970)	20778	25.0000	24.5
105 pentachlorobenzene	250	8.718	8.718	(1.031)	67907	25.0000	25.9
106 1-naphthylamine	143	8.783	8.783	(1.039)	144455	25.0000	25.9
107 2-naphthylamine	143	8.871	8.871	(1.049)	146422	25.0000	26.8
108 2,3,4,6-tetrachlorophenol	232	8.894	8.894	(1.052)	41698	25.0000	25.5
109 5-nitro-o-toluidine	152	9.124	9.124	(1.079)	47652	25.0000	27.1
110 diphenylamine	169	9.223	9.223	(1.091)	139703	25.0000	26.2
111 1,3,5-trinitrobenzene	75	9.529	9.529	(0.957)	22517	25.0000	25.9
112 phenacetin	108	9.570	9.570	(0.961)	83111	25.0000	25.4
113 4-aminobiphenyl	169	9.811	9.811	(0.985)	173815	25.0000	24.8
114 pentachloronitrobenzene	237	9.929	9.929	(0.997)	22635	25.0000	24.6
115 Dinoseb	211	10.034	10.034	(1.008)	24902	25.0000	22.0
84 Benzidine	184	11.045	11.045	(1.109)	187746	25.0000	25.2
116 p-(dimethylamino)azobenzene	120	11.350	11.350	(1.140)	69968	25.0000	25.5
117 o-tolidine	212	11.591	11.591	(1.164)	194062	25.0000	25.5
119 7,12-dimethylbenz(a)anthracen	256	12.966	12.966	(1.077)	121802	25.0000	25.9
118 2-acetylaminofluorene	181	11.791	11.791	(0.979)	118628	25.0000	26.6
120 3-methylcholanthrene	268	13.548	13.548	(1.021)	128738	25.0000	25.4

Data File: /var/chem/gcms/md.i/D030906I.b/a9dc092.d
Date : 09-MAR-2006 14:36
Client ID: VSTD025
Sample Info: A9DC092,,1,2,,VSTD025,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/a9dc093.d
Report Date: 09-Mar-2006 16:30

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D030906I.b/a9dc093.d
Lab Smp Id: A9DC093 Client Smp ID: VSTD040
Inj Date : 09-MAR-2006 14:11
Operator : 60841 Inst ID: md.i
Smp Info : A9DC093,,1,3,,VSTD040,
Misc Info : D030906I,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D030906I.b/8270a9.m
Meth Date : 09-Mar-2006 16:30 mcgeek Quant Type: ISTD
Cal Date : 09-MAR-2006 14:11 Cal File: a9dc093.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.194	4.194	(1.000)	47034	20.0000	
* 2 Naphthalene-d8	136	5.792	5.792	(1.000)	170191	20.0000	
* 3 Acenaphthene-d10	164	8.454	8.454	(1.000)	103517	20.0000	
* 4 Phenanthrene-d10	188	9.958	9.958	(1.000)	174781	20.0000	
* 5 Chrysene-d12	240	12.044	12.044	(1.000)	173060	20.0000	
* 6 Perylene-d12	264	13.272	13.272	(1.000)	166781	20.0000	
176 2-Picoline	93	2.590	2.590	(0.618)	117176	40.0000	42.0
86 N-nitrosomethylethylamine	42	2.678	2.678	(0.639)	73990	40.0000	41.3
87 Methyl methanosulfonate	80	2.919	2.919	(0.696)	27205	40.0000	41.5
88 N-nitrosodiethylamine	102	3.242	3.242	(0.773)	53974	40.0000	41.0
89 Ethyl methanosulfonate	79	3.507	3.507	(0.836)	80989	40.0000	40.7
90 Pentachloroethane	167	3.912	3.912	(0.933)	47011	40.0000	40.2
91 acetophenone	105	4.664	4.664	(1.112)	159766	40.0000	40.4
92 m-cresol	108	4.688	4.688	(1.118)	113602	40.0000	39.2
93 n-nitrosopyrrolidine	100	4.647	4.647	(1.108)	61070	40.0000	40.0

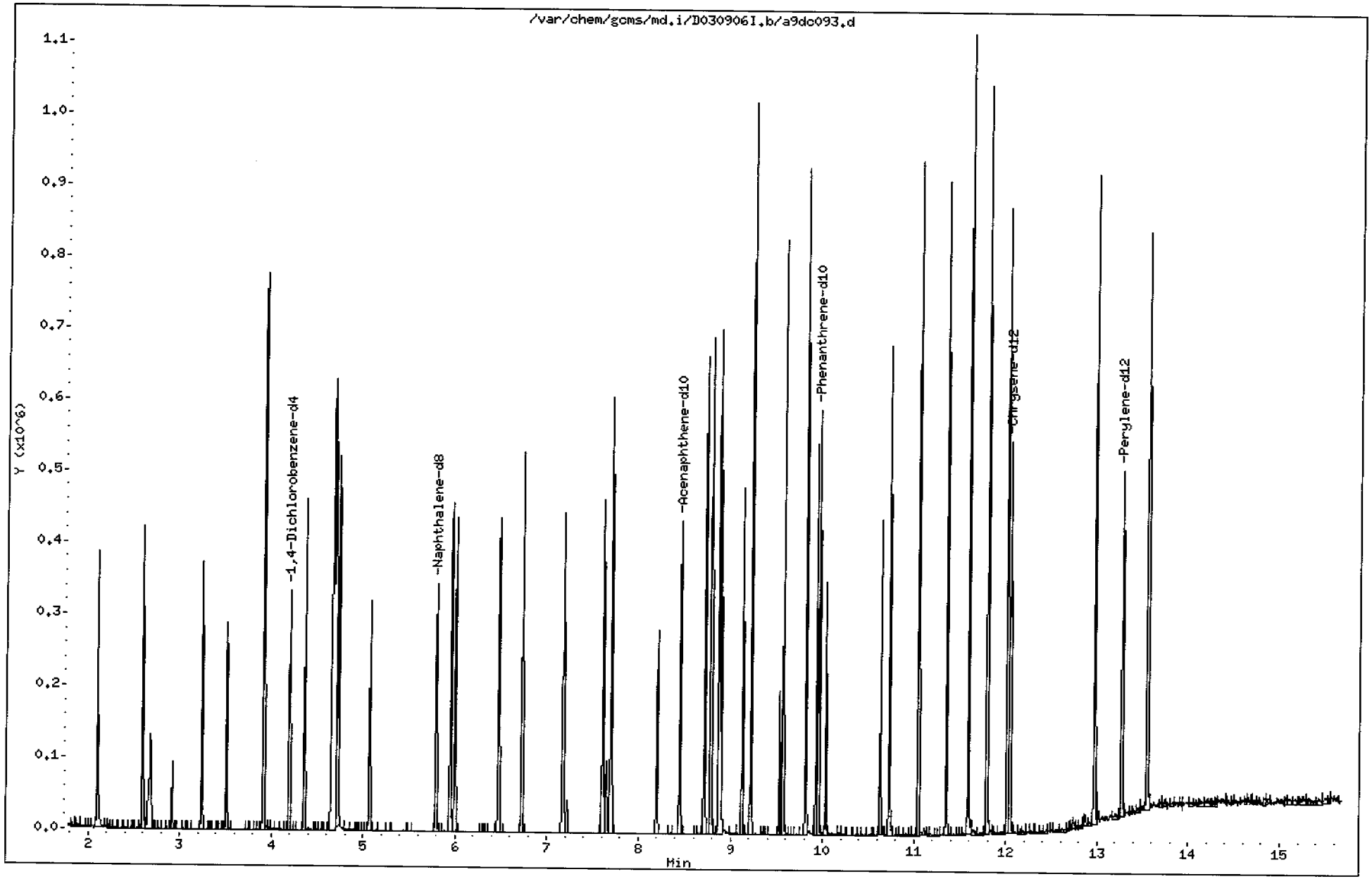
Data File: /var/chem/gcms/md.i/D030906I.b/a9dc093.d
Report Date: 09-Mar-2006 16:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
94 n-nitrosomorpholine	56	4.670	4.670	(1.113)	87099	40.0000	40.9
95 o-toluidine	106	4.717	4.717	(1.125)	156392	40.0000	39.8
96 n-nitrosopiperidine	42	5.070	5.070	(0.875)	97679	40.0000	39.4
97 2,6-dichlorophenol	162	5.951	5.951	(1.027)	104675	40.0000	39.8
98 hexachloropropene	213	5.998	5.998	(1.036)	88221	40.0000	40.8
99 N-nitro-di-n-butylamine	84	6.474	6.474	(1.118)	77736	40.0000	42.1
100 Isosafrole	162	6.726	6.726	(1.161)	94584	40.0000	40.3
101 1,2,4,5-tetrachlorobenzene	216	7.173	7.173	(1.238)	116694	40.0000	40.1
102 safrole	162	7.608	7.608	(0.900)	105161	40.0000	39.8
103 1-chloronaphthalene	162	7.696	7.696	(0.910)	215681	40.0000	39.9
104 m-dinitrobenzene	76	8.201	8.201	(0.970)	34137	40.0000	39.6
105 pentachlorobenzene	250	8.718	8.718	(1.031)	107105	40.0000	40.1
106 1-naphthylamine	143	8.783	8.783	(1.039)	227047	40.0000	40.0
107 2-naphthylamine	143	8.871	8.871	(1.049)	210152	40.0000	37.8
108 2,3,4,6-tetrachlorophenol	232	8.895	8.895	(1.052)	67088	40.0000	40.3
109 5-nitro-o-toluidine	152	9.130	9.130	(1.080)	71307	40.0000	39.8
110 diphenylamine	169	9.224	9.224	(1.091)	217938	40.0000	40.2
111 1,3,5-trinitrobenzene	75	9.529	9.529	(0.957)	35609	40.0000	37.3
112 phenacetin	108	9.570	9.570	(0.961)	127784	40.0000	40.6
113 4-aminobiphenyl	169	9.811	9.811	(0.985)	278045	40.0000	41.3
114 pentachloronitrobenzene	237	9.929	9.929	(0.997)	36393	40.0000	41.3
115 Dinoseb	211	10.034	10.034	(1.008)	43231	40.0000	39.9
84 Benzidine	184	11.045	11.045	(1.109)	291517	40.0000	40.7
116 p-(dimethylamino)azobenzene	120	11.351	11.351	(1.140)	108757	40.0000	41.3
117 o-tolidine	212	11.591	11.591	(1.164)	298877	40.0000	40.9
119 7,12-dimethylbenz(a)anthracen	256	12.972	12.972	(1.077)	188932	40.0000	39.3
118 2-acetylaminofluorene	181	11.791	11.791	(0.979)	179478	40.0000	39.3
120 3-methylcholanthrene	268	13.554	13.554	(1.021)	202429	40.0000	38.9

Data File: /var/chem/gcms/md.i/D030906I.b/a9dc093.d
Date : 09-MAR-2006 14:11
Client ID: VSTD040
Sample Info: A9DC093,,1,3,,VSTD040,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/a9dc094.d
Report Date: 09-Mar-2006 16:30

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D030906I.b/a9dc094.d
Lab Smp Id: A9DC094 Client Smp ID: VSTD060
Inj Date : 09-MAR-2006 13:47
Operator : 60841 Inst ID: md.i
Smp Info : A9DC094,,1,4,,VSTD060,
Misc Info : D030906I,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D030906I.b/8270a9.m
Meth Date : 09-Mar-2006 16:30 mcgeek Quant Type: ISTD
Cal Date : 09-MAR-2006 13:47 Cal File: a9dc094.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.194	4.194	(1.000)	50110	20.0000	
* 2 Naphthalene-d8	136	5.792	5.792	(1.000)	185157	20.0000	
* 3 Acenaphthene-d10	164	8.454	8.454	(1.000)	113373	20.0000	
* 4 Phenanthrene-d10	188	9.958	9.958	(1.000)	197295	20.0000	
* 5 Chrysene-d12	240	12.044	12.044	(1.000)	190741	20.0000	
* 6 Perylene-d12	264	13.272	13.272	(1.000)	181067	20.0000	
176 2-Picoline	93	2.590	2.590	(0.618)	177364	60.0000	59.6
86 N-nitrosomethylethylamine	42	2.678	2.678	(0.639)	113630	60.0000	59.6
87 Methyl methanosulfonate	80	2.919	2.919	(0.696)	42051	60.0000	60.2
88 N-nitrosodiethylamine	102	3.242	3.242	(0.773)	85676	60.0000	61.1
89 Ethyl methanosulfonate	79	3.513	3.513	(0.837)	125698	60.0000	59.3
90 Pentachloroethane	167	3.912	3.912	(0.933)	75915	60.0000	61.0
91 acetophenone	105	4.664	4.664	(1.112)	252781	60.0000	60.0
92 m-cresol	108	4.688	4.688	(1.118)	187402	60.0000	60.7
93 n-nitrosopyrrolidine	100	4.652	4.652	(1.109)	98969	60.0000	60.8

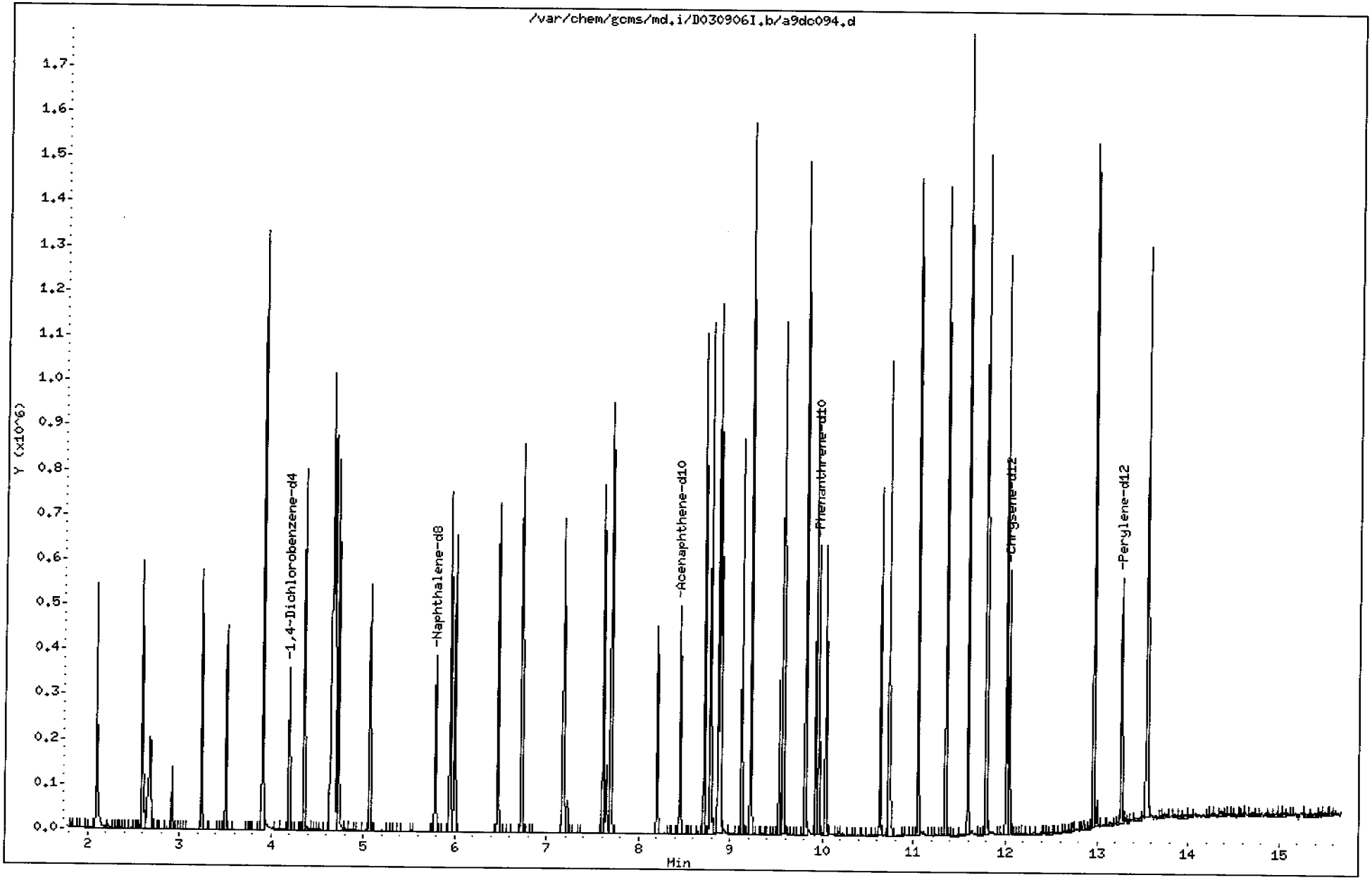
Data File: /var/chem/gcms/md.i/D030906I.b/a9dc094.d
Report Date: 09-Mar-2006 16:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
94 n-nitrosomorpholine	56	4.676	4.676	(1.115)	135440	60.0000	59.6
95 o-toluidine	106	4.723	4.723	(1.126)	248154	60.0000	59.2
96 n-nitrosopiperidine	42	5.070	5.070	(0.875)	161794	60.0000	60.0
97 2,6-dichlorophenol	162	5.951	5.951	(1.027)	166762	60.0000	58.3
98 hexachloropropene	213	5.998	5.998	(1.036)	136094	60.0000	57.9
99 N-nitro-di-n-butylamine	84	6.474	6.474	(1.118)	117274	60.0000	58.4
100 Isosafrole	162	6.726	6.726	(1.161)	150989	60.0000	59.2
101 1,2,4,5-tetrachlorobenzene	216	7.173	7.173	(1.238)	185206	60.0000	58.4
102 safrole	162	7.608	7.608	(0.900)	171357	60.0000	59.2
103 1-chloronaphthalene	162	7.696	7.696	(0.910)	345258	60.0000	58.4
104 m-dinitrobenzene	76	8.201	8.201	(0.970)	57324	60.0000	60.7
105 pentachlorobenzene	250	8.718	8.718	(1.031)	170681	60.0000	58.3
106 1-naphthylamine	143	8.789	8.789	(1.040)	363738	60.0000	58.5
107 2-naphthylamine	143	8.871	8.871	(1.049)	353518	60.0000	58.1
108 2,3,4,6-tetrachlorophenol	232	8.895	8.895	(1.052)	110406	60.0000	60.5
109 5-nitro-o-toluidine	152	9.130	9.130	(1.080)	111667	60.0000	56.9
110 diphenylamine	169	9.224	9.224	(1.091)	351211	60.0000	59.2
111 1,3,5-trinitrobenzene	75	9.529	9.529	(0.957)	66714	60.0000	56.5
112 phenacetin	108	9.576	9.576	(0.962)	207575	60.0000	58.4
113 4-aminobiphenyl	169	9.811	9.811	(0.985)	441388	60.0000	58.1
114 pentachloronitrobenzene	237	9.929	9.929	(0.997)	56674	60.0000	57.0
115 Dinoseb	211	10.034	10.034	(1.008)	77857	60.0000	63.6
84 Benzidine	184	11.045	11.045	(1.109)	495871	60.0000	61.3
116 p-(dimethylamino)azobenzene	120	11.351	11.351	(1.140)	176709	60.0000	59.5
117 o-tolidine	212	11.591	11.591	(1.164)	497146	60.0000	60.3
119 7,12-dimethylbenz(a)anthracen	256	12.966	12.966	(1.077)	310812	60.0000	58.6
118 2-acetylaminofluorene	181	11.791	11.791	(0.979)	301509	60.0000	60.0
120 3-methylcholanthrene	268	13.554	13.554	(1.021)	341449	60.0000	60.4

Data File: /var/chem/gcms/md.i/D030906I.b/a9dc094.d
Date : 09-MAR-2006 13:47
Client ID: VSTD060
Sample Info: A9DC094,,1,4,,VSTD060,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/a9dc095.d
Report Date: 09-Mar-2006 16:30

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D030906I.b/a9dc095.d
Lab Smp Id: A9DC095 Client Smp ID: VSTD120
Inj Date : 09-MAR-2006 13:23
Operator : 60841 Inst ID: md.i
Smp Info : A9DC095,,1,5,,VSTD120,
Misc Info : D030906I,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D030906I.b/8270a9.m
Meth Date : 09-Mar-2006 16:30 mcgeek Quant Type: ISTD
Cal Date : 09-MAR-2006 13:23 Cal File: a9dc095.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.200	4.200	(1.000)	57528	20.0000	
* 2 Naphthalene-d8	136	5.792	5.792	(1.000)	213764	20.0000	
* 3 Acenaphthene-d10	164	8.454	8.454	(1.000)	133155	20.0000	
* 4 Phenanthrene-d10	188	9.964	9.964	(1.000)	228604	20.0000	
* 5 Chrysene-d12	240	12.044	12.044	(1.000)	203446	20.0000	
* 6 Perylene-d12	264	13.272	13.272	(1.000)	186131	20.0000	
176 2-Picoline	93	2.584	2.584	(0.615)	387579	120.000	114
86 N-nitrosomethylethylamine	42	2.678	2.678	(0.638)	259011	120.000	118
87 Methyl methanosulfonate	80	2.925	2.925	(0.696)	94380	120.000	118
88 N-nitrosodiethylamine	102	3.248	3.248	(0.773)	197614	120.000	123
89 Ethyl methanosulfonate	79	3.513	3.513	(0.836)	288123	120.000	118
90 Pentachloroethane	167	3.912	3.912	(0.931)	161277	120.000	113
91 acetophenone	105	4.670	4.670	(1.112)	571622	120.000	118
92 m-cresol	108	4.694	4.694	(1.117)	437421	120.000	123
93 n-nitrosopyrrolidine	100	4.658	4.658	(1.109)	228019	120.000	122

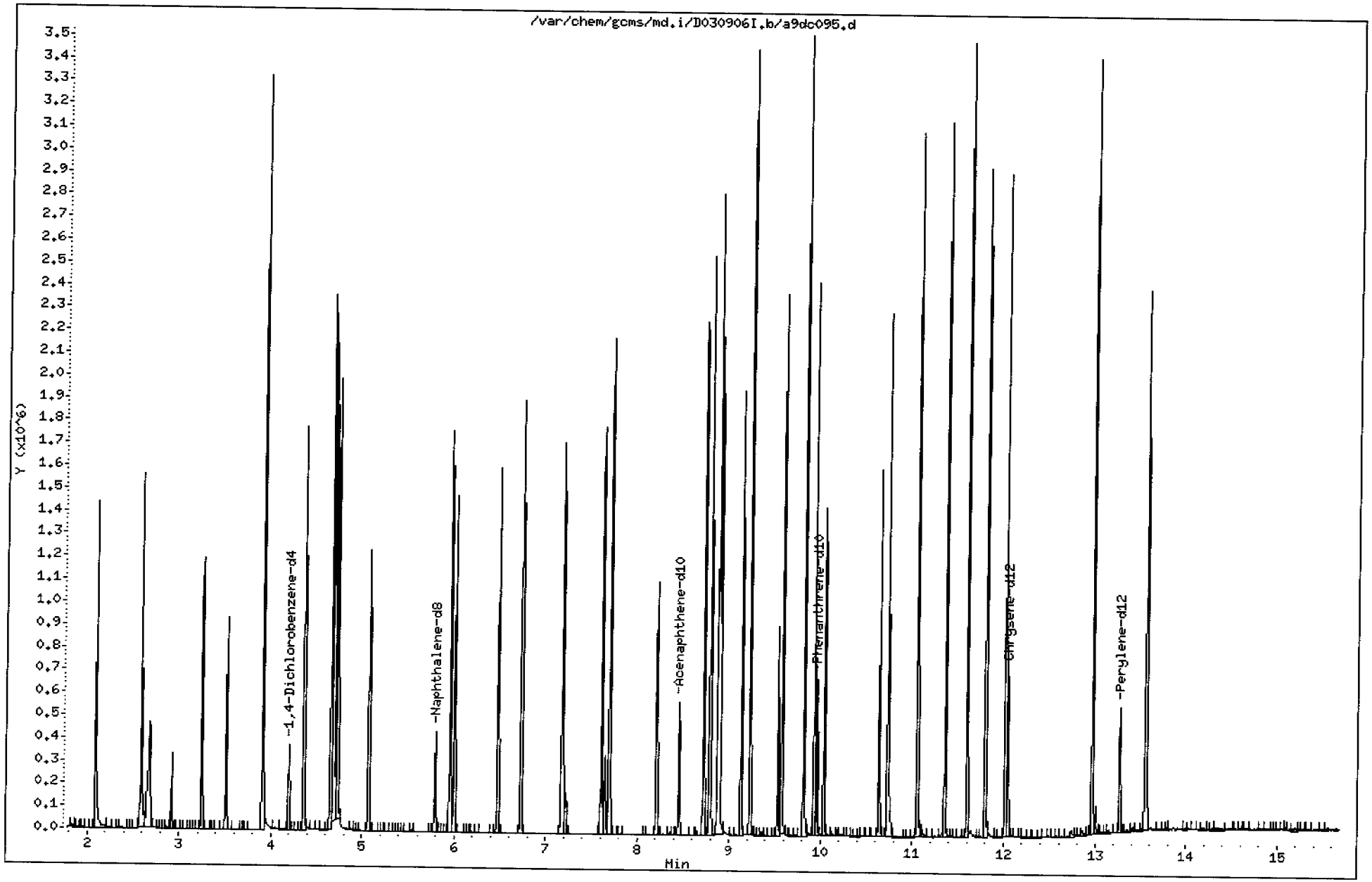
Data File: /var/chem/gcms/md.i/D030906I.b/a9dc095.d
Report Date: 09-Mar-2006 16:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
94 n-nitrosomorpholine	56	4.682	4.682	(1.115)	315630	120.000	121
95 o-toluidine	106	4.729	4.729	(1.126)	594804	120.000	124
96 n-nitrosopiperidine	42	5.075	5.075	(0.876)	369685	120.000	119
97 2,6-dichlorophenol	162	5.951	5.951	(1.027)	387571	120.000	117
98 hexachloropropene	213	6.004	6.004	(1.037)	308648	120.000	114
99 N-nitro-di-n-butylamine	84	6.480	6.480	(1.119)	274490	120.000	118
100 Isosafrole	162	6.732	6.732	(1.162)	341443	120.000	116
101 1,2,4,5-tetrachlorobenzene	216	7.179	7.179	(1.239)	428977	120.000	117
102 safrole	162	7.614	7.614	(0.901)	399341	120.000	118
103 1-chloronaphthalene	162	7.702	7.702	(0.911)	794190	120.000	114
104 m-dinitrobenzene	76	8.207	8.207	(0.971)	147250	120.000	133
105 pentachlorobenzene	250	8.724	8.724	(1.032)	390482	120.000	114
106 1-naphthylamine	143	8.789	8.789	(1.040)	865607	120.000	118
107 2-naphthylamine	143	8.877	8.877	(1.050)	843891	120.000	118
108 2,3,4,6-tetrachlorophenol	232	8.895	8.895	(1.052)	267787	120.000	125
109 5-nitro-o-toluidine	152	9.135	9.135	(1.081)	273500	120.000	119
110 diphenylamine	169	9.229	9.229	(1.092)	809054	120.000	116
111 1,3,5-trinitrobenzene	75	9.535	9.535	(0.957)	179276	120.000	120
112 phenacetin	108	9.582	9.582	(0.962)	474607	120.000	115
113 4-aminobiphenyl	169	9.817	9.817	(0.985)	1037235	120.000	118
114 pentachloronitrobenzene	237	9.929	9.929	(0.996)	135739	120.000	118
115 Dinoseb	211	10.034	10.034	(1.007)	191628	120.000	135
84 Benzidine	184	11.051	11.051	(1.109)	1009160	120.000	108
116 p-(dimethylamino)azobenzene	120	11.356	11.356	(1.140)	393357	120.000	114
117 o-tolidine	212	11.597	11.597	(1.164)	1038256	120.000	109
119 7,12-dimethylbenz(a)anthracen	256	12.972	12.972	(1.077)	642402	120.000	114
118 2-acetylaminofluorene	181	11.797	11.797	(0.980)	607404	120.000	113
120 3-methylcholanthrene	268	13.560	13.560	(1.022)	674341	120.000	116

Data File: /var/chem/gcms/md.i/D030906I.b/a9dc095.d
Date : 09-MAR-2006 13:23
Client ID: VSTD120
Sample Info: A9DC095,,1,5,,VSTD120,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/a9dc098.d
Report Date: 09-Mar-2006 16:32

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D030906I.b/a9dc098.d
Lab Smp Id: A9DC098 Client Smp ID: VSTD200
Inj Date : 09-MAR-2006 12:59
Operator : 60841 Inst ID: md.i
Smp Info : A9DC098,,1,8,,VSTD200,
Misc Info : D030906I,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D030906I.b/8270a9.m
Meth Date : 09-Mar-2006 16:32 mcgeek Quant Type: ISTD
Cal Date : 09-MAR-2006 12:59 Cal File: a9dc098.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.200	4.200	(1.000)	45925	20.0000	
* 2 Naphthalene-d8	136	5.792	5.792	(1.000)	163779	20.0000	
* 3 Acenaphthene-d10	164	8.454	8.454	(1.000)	98455	20.0000	
* 4 Phenanthrene-d10	188	9.964	9.964	(1.000)	170203	20.0000	
* 5 Chrysene-d12	240	12.044	12.044	(1.000)	160875	20.0000	
* 6 Perylene-d12	264	13.272	13.272	(1.000)	156686	20.0000	
176 2-Picoline	93	2.590	2.590	(0.617)	554975	200.000	204(A)
86 N-nitrosomethylethylamine	42	2.684	2.684	(0.639)	353283	200.000	202(A)
87 Methyl methanosulfonate	80	2.925	2.925	(0.696)	116777	200.000	182(A)
88 N-nitrosodiethylamine	102	3.248	3.248	(0.773)	254460	200.000	198(A)
89 Ethyl methanosulfonate	79	3.518	3.518	(0.838)	375433	200.000	193(A)
90 Pentachloroethane	167	3.912	3.912	(0.931)	226132	200.000	198(A)
91 acetophenone	105	4.670	4.670	(1.112)	747433	200.000	194(A)
92 m cresol	108	4.699	4.699	(1.119)	555266	200.000	196(A)
93 n-nitrosopyrrolidine	100	4.664	4.664	(1.111)	288853	200.000	194(A)

Data File: /var/chem/gcms/md.i/D030906I.b/a9dc098.d
Report Date: 09-Mar-2006 16:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
94 n-nitrosomorpholine	56	4.688	4.688	(1.116)	415044	200.000	199(A)
95 o-toluidine	106	4.729	4.729	(1.126)	781518	200.000	204(A)
96 n-nitrosopiperidine	42	5.075	5.075	(0.876)	480594	200.000	201(A)
97 2,6-dichlorophenol	162	5.957	5.957	(1.028)	503351	200.000	199(A)
98 hexachloropropene	213	6.004	6.004	(1.037)	418011	200.000	201(A)
99 N-nitro-di-n-butylamine	84	6.480	6.480	(1.119)	353393	200.000	199(A)
100 Isosafrole	162	6.732	6.732	(1.162)	447426	200.000	198(A)
101 1,2,4,5-tetrachlorobenzene	216	7.179	7.179	(1.239)	566886	200.000	202(A)
102 safrole	162	7.614	7.614	(0.901)	506937	200.000	202(A)
103 1-chloronaphthalene	162	7.702	7.702	(0.911)	1028538	200.000	200(A)
104 m-dinitrobenzene	76	8.207	8.207	(0.971)	178549	200.000	218(A)
105 pentachlorobenzene	250	8.724	8.724	(1.032)	512011	200.000	201(A)
106 1-naphthylamine	143	8.795	8.795	(1.040)	1055256	200.000	195(A)
107 2-naphthylamine	143	8.877	8.877	(1.050)	1039370	200.000	197(A)
108 2,3,4,6-tetrachlorophenol	232	8.900	8.900	(1.053)	337354	200.000	213(A)
109 5-nitro-o-toluidine	152	9.135	9.135	(1.081)	346215	200.000	203(A)
110 diphenylamine	169	9.229	9.229	(1.092)	1015079	200.000	197(A)
111 1,3,5-trinitrobenzene	75	9.535	9.535	(0.957)	230279	200.000	201(A)
112 phenacetin	108	9.588	9.588	(0.962)	591518	200.000	193(A)
113 4-aminobiphenyl	169	9.817	9.817	(0.985)	1280122	200.000	195(A)
114 pentachloronitrobenzene	237	9.929	9.929	(0.996)	173722	200.000	202(A)
115 Dinoseb	211	10.040	10.040	(1.008)	239566	200.000	227(A)
84 Benzidine	184	11.051	11.051	(1.109)	1464948	200.000	210(A)
116 p-(dimethylamino)azobenzene	120	11.356	11.356	(1.140)	501837	200.000	196(A)
117 o-tolidine	212	11.597	11.597	(1.164)	1425719	200.000	200(A)
119 7,12-dimethylbenz(a)anthracen	256	12.972	12.972	(1.077)	912842	200.000	204(A)
118 2-acetylaminofluorene	181	11.803	11.803	(0.980)	848955	200.000	200(A)
120 3-methylcholanthrene	268	13.566	13.566	(1.022)	972331	200.000	199(A)

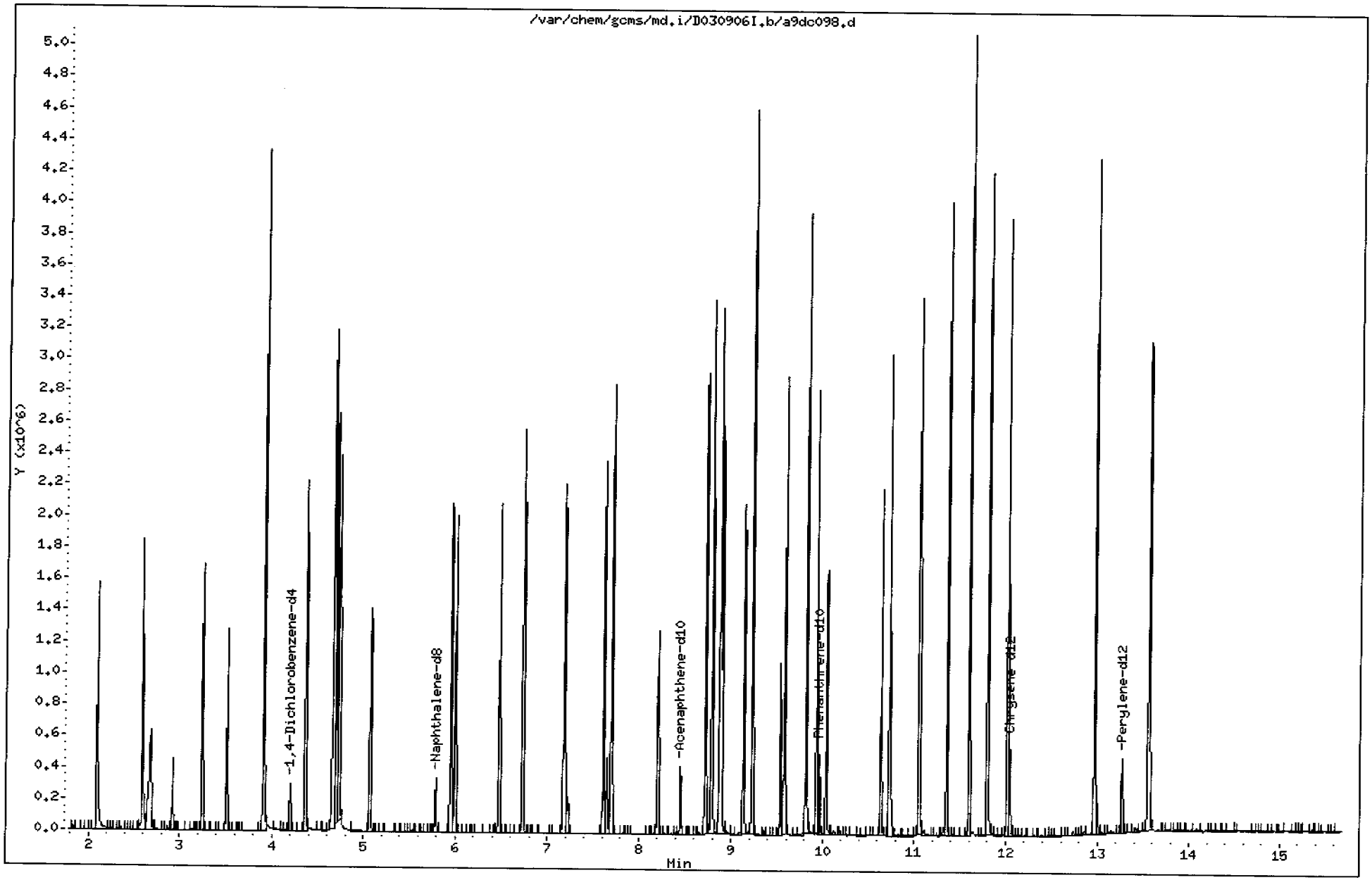
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D030906I.b/a9dc098.d
Date : 09-MAR-2006 12:59
Client ID: VSTD200
Sample Info: A9DC098,,1,8,,VSTD200,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D030906I.b/a9vdc09.d
Report Date: 09-Mar-2006 16:59

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D030906I.b/a9vdc09.d
Lab Smp Id: A9VDC09 Client Smp ID: SECOND SOURCE
Inj Date : 09-MAR-2006 15:24
Operator : 60841 Inst ID: md.i
Smp Info : A9VDC09,,3,,,SECOND SOURCE,
Misc Info : D030906I,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D030906I.b/8270a9.m
Meth Date : 09-Mar-2006 16:48 mcgeek Quant Type: ISTD
Cal Date : 09-MAR-2006 12:59 Cal File: a9dc098.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Unit Correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.194	4.200	(1.000)	47319	20.0000	
* 2 Naphthalene-d8	136	5.792	5.792	(1.000)	174134	20.0000	
* 3 Acenaphthene-d10	164	8.454	8.454	(1.000)	110145	20.0000	
* 4 Phenanthrene-d10	188	9.958	9.964	(1.000)	186517	20.0000	
* 5 Chrysene-d12	240	12.044	12.044	(1.000)	180612	20.0000	
* 6 Perylene-d12	264	13.272	13.272	(1.000)	163302	20.0000	
176 2-Picoline	93	2.584	2.590	(0.616)	191784	68.2890	68.3
86 N-nitrosomethylethylamine	42	2.678	2.684	(0.639)	105341	58.4998	58.5
87 Methyl methanosulfonate	80	2.919	2.925	(0.696)	94751	143.750	144(R) NA
88 N-nitrosodiethylamine	102	3.242	3.248	(0.773)	80109	60.4950	60.5
89 Ethyl methanosulfonate	79	3.507	3.518	(0.836)	119251	59.6198	59.6
90 Pentachloroethane	167	3.912	3.912	(0.933)	70776	60.1875	60.2
91 acetophenone	105	4.664	4.670	(1.112)	232884	58.5821	58.6
92 m-cresol	108	4.717	4.699	(1.125)	15500	5.31896	5.32(R) NA

KRM 3/9/06

Data File: /var/chem/gcms/md.i/D030906I.b/a9vdc09.d
Report Date: 09-Mar-2006 16:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug/L)
93 n-nitrosopyrrolidine	100	4.646	4.664	(1.108)	92098	59.9606	60.0
94 n-nitrosomorpholine	56	4.670	4.688	(1.113)	132997	62.0277	62.0
95 o-toluidine	106	4.717	4.729	(1.125)	243618	61.6050	61.6
96 n-nitrosopiperidine	42	5.064	5.075	(0.874)	144555	56.9781	57.0
97 2,6-dichlorophenol	162	5.951	5.957	(1.027)	151380	56.3038	56.3
98 hexachloropropene	213	5.998	6.004	(1.036)	118369	53.5664	53.6
99 N-nitro-di-n-butylamine	84	6.474	6.480	(1.118)	110127	58.3333	58.3
100 Isosafrole	162	6.726	6.732	(1.161)	140973	58.7654	58.8
101 1,2,4,5-tetrachlorobenzene	216	7.173	7.179	(1.238)	179323	60.1711	60.2
102 safrole	162	7.608	7.614	(0.900)	151641	53.9771	54.0
103 1-chloronaphthalene	162	7.696	7.702	(0.910)	325771	56.6743	56.7
104 m-dinitrobenzene	76	7.925	8.207	(0.937)	59621	64.9954	~~65.0~~
105 pentachlorobenzene	250	8.718	8.724	(1.031)	161201	56.7056	56.7
106 1-naphthylamine	143	8.789	8.795	(1.040)	351767	58.2436	58.2
107 2-naphthylamine	143	8.871	8.877	(1.049)	361987	61.2364	61.2
109 5-nitro-o-toluidine	152	9.130	9.135	(1.080)	103102	54.1028	54.1
110 diphenylamine	169	9.077	9.229	(1.074)	8176	1.41812	1.42(R) NA
111 1,3,5-trinitrobenzene	75	9.529	9.535	(0.957)	57358	52.1239	52.1
112 phenacetin	108	9.570	9.588	(0.961)	185485	55.2367	55.2
113 4-aminobiphenyl	169	9.811	9.817	(0.985)	406424	56.5537	56.6
114 pentachloronitrobenzene	237	9.929	9.929	(0.997)	53384	56.7441	56.7
84 Benzidine	184	11.045	11.051	(1.109)	431297	56.4145	56.4
116 p-(dimethylamino)azobenzene	120	11.350	11.356	(1.140)	168939	60.1864	60.2
117 o-tolidine	212	11.597	11.597	(1.165)	846951	108.616	109(R) NA
119 7,12-dimethylbenz(a)anthracen	256	12.972	12.972	(1.077)	290092	57.7610	57.8
118 2-acetylaminofluorene	181	11.791	11.803	(0.979)	290670	61.0428	61.0
120 3-methylcholanthrene	268	13.554	13.566	(1.021)	316603	62.1551	62.2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KRM 3/9/06

Data File: /var/chem/gcms/md.i/D030906I.b/a9vdc09.d
Report Date: 09-Mar-2006 16:59

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: a9vdc09.d
Lab Smp Id: A9VDC09
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D030906I.b/8270a9.m
Misc Info: D030906I,8270a9,appdx9.sub

Calibration Date: 09-MAR-2006
Calibration Time: 13:47
Client Smp ID: SECOND SOURCE
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	50110	25055	100220	47319	-5.57
2 Naphthalene-d8	185157	92578	370314	174134	-5.95
3 Acenaphthene-d10	113373	56686	226746	110145	-2.85
4 Phenanthrene-d10	197295	98648	394590	186517	-5.46
5 Chrysene-d12	190741	95370	381482	180612	-5.31
6 Perylene-d12	181067	90534	362134	163302	-9.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.19	3.69	4.69	4.19	0.00
2 Naphthalene-d8	5.79	5.29	6.29	5.79	0.00
3 Acenaphthene-d10	8.45	7.95	8.95	8.45	0.00
4 Phenanthrene-d10	9.96	9.46	10.46	9.96	0.00
5 Chrysene-d12	12.04	11.54	12.54	12.04	0.00
6 Perylene-d12	13.27	12.77	13.77	13.27	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D030906I.b/a9vdc09.d
Report Date: 09-Mar-2006 16:59

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: A9VDC09
Level: LOW
Data Type: MS DATA
SpikeList File: a9lcs.spk
Sublist File: appdx9.sub
Method File: /var/chem/gcms/md.i/D030906I.b/8270a9.m
Misc Info: D030906I,8270a9,appdx9.sub

Client SDG: D030906I
Fraction: SV
Client Smp ID: SECOND SOURCE
Operator: 60841
SampleType: BLANK
Quant Type: ISTD

no guarantee by vendor.
KRM 3/9/06

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS	
86 N-nitrosomethyleth	60.0	58.5	97.50	70-130	
87 Methyl methanosulf	60.0	144	239.58*	70-130	
88 N-nitrosodiethylam	60.0	60.5	100.82	70-130	
89 Ethyl methanosulfo	60.0	59.6	99.37	70-130	
90 Pentachloroethane	60.0	60.2	100.31	70-130	
91 acetophenone	60.0	58.6	97.64	70-130	
92 m-cresol	60.0	5.32	~~8.86*~~	~~70-130~~	NA
93 n-nitrosopyrrolidi	60.0	60.0	99.93	70-130	
94 n-nitrosomorpholin	60.0	62.0	103.38	70-130	
95 o-toluidine	60.0	61.6	102.68	70-130	
96 n-nitrosopiperidin	60.0	57.0	94.96	70-130	
97 2,6-dichlorophenol	60.0	56.3	93.84	70-130	
98 hexachloropropene	60.0	53.6	89.28	70-130	
99 N-nitro-di-n-butyl	60.0	58.3	97.22	70-130	
100 Isosafrole	60.0	58.8	97.94	70-130	
101 1,2,4,5-tetrachlor	60.0	60.2	100.29	70-130	
102 safrole	60.0	54.0	89.96	70-130	
103 1-chloronaphthalen	60.0	56.7	94.46	70-130	
104 m-dinitrobenzene	60.0	65.0	~~108.33~~	~~70-130~~	NA
105 pentachlorobenzene	60.0	56.7	94.51	70-130	
106 1-naphthylamine	60.0	58.2	97.07	70-130	
107 2-naphthylamine	60.0	61.2	102.06	70-130	
108 2,3,4,6-tetrachlo	60.0	0.00	~~*~~	~~70-130~~	NA
109 5-nitro-o-toluidin	60.0	54.1	90.17	70-130	
110 diphenylamine	60.0	1.42	~~2.36*~~	~~70-130~~	NA
111 1,3,5-trinitrobenz	60.0	52.1	86.87	70-130	
112 phenacetin	60.0	55.2	92.06	70-130	
113 4-aminobiphenyl	60.0	56.6	94.26	70-130	
114 pentachloronitrobe	60.0	56.7	94.57	70-130	
115 Dinoseb	60.0	0.00	~~*~~	~~70-130~~	NA
84 Benzidine	60.0	56.4	94.02	70-130	
116 p-(dimethylamino)a	60.0	60.2	100.31	70-130	
118 2-acetylaminofluor	60.0	61.0	101.74	70-130	

KRM 3/9/06

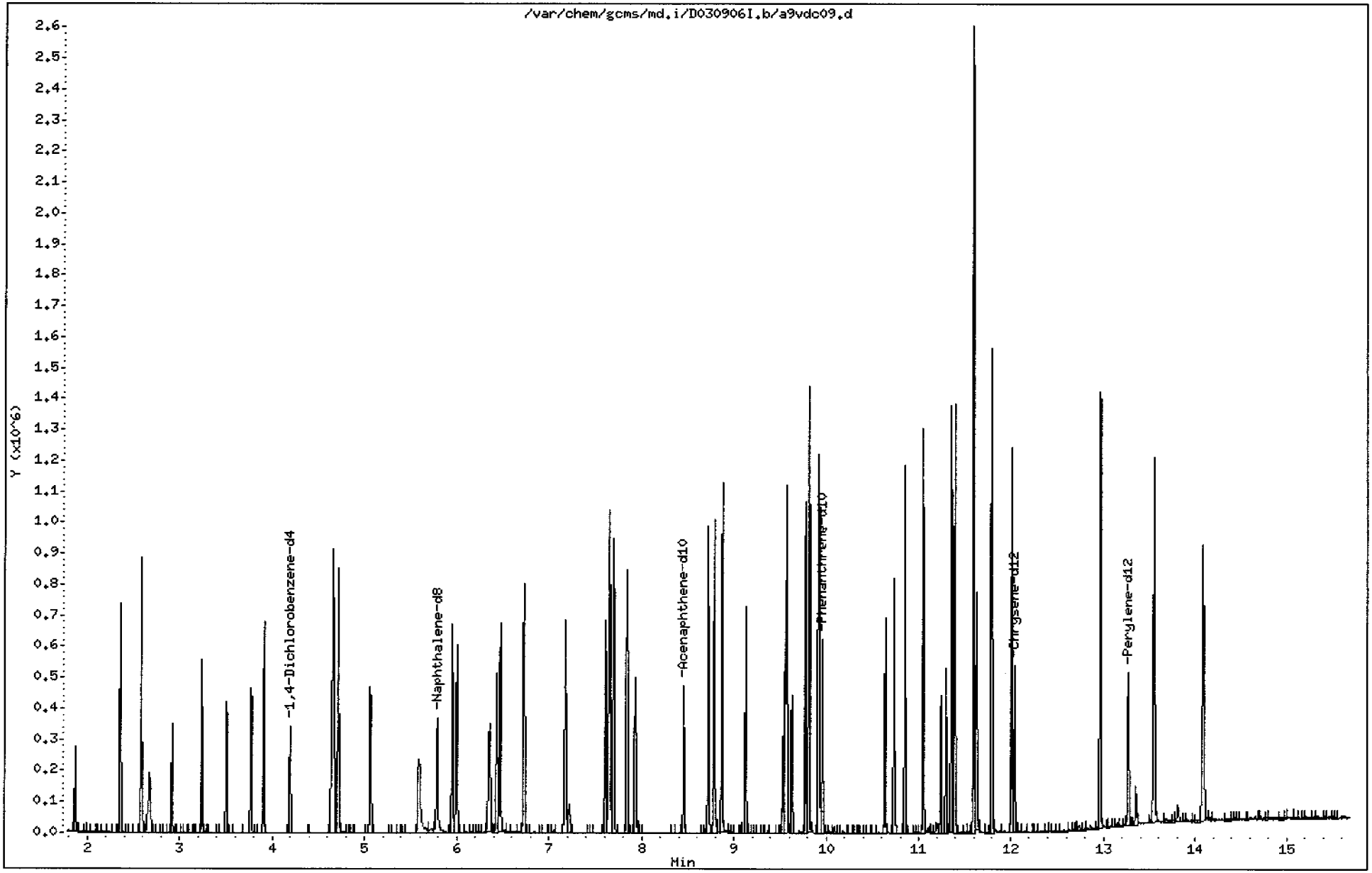
Data File: /var/chem/gcms/md.i/D030906I.b/a9vdc09.d
Report Date: 09-Mar-2006 16:59

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS	
117 o-tolidine	120 ~~60.0~~	90.8 ~~109~~	~~181.03*~~	70-130	
119 7,12-dimethylbenz(	60.0	57.8	96.27	70-130	
120 3-methylcholanthre	60.0	62.2	103.59	70-130	
176 2-Picoline	60.0	68.3	113.82	70-130	
177 Methapyrilene HCL	60.0	0.00	~~0.00*~~	~~70-130~~	NA
178 N-Nitroquinoline-n	60.0	0.00	~~0.00*~~	~~70-130~~	NA

KRM 3/9/06

Data File: /var/chem/gcms/md.i/D030906I.b/a9vdc09.d
Date : 09-MAR-2006 15:24
Client ID: SECOND SOURCE
Sample Info: A9VDC09,,3,,,SECOND SOURCE,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/bbdd271.d
Report Date: 27-Apr-2006 15:19

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042706I.b/bbdd271.d
Lab Smp Id: BBDD271 Client Smp ID: VSTD010
Inj Date : 27-APR-2006 15:00
Operator : 60841 Inst ID: md.i
Smp Info : BBDD271,,1,1,,VSTD010,
Misc Info : D042706I,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Meth Date : 27-Apr-2006 15:19 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

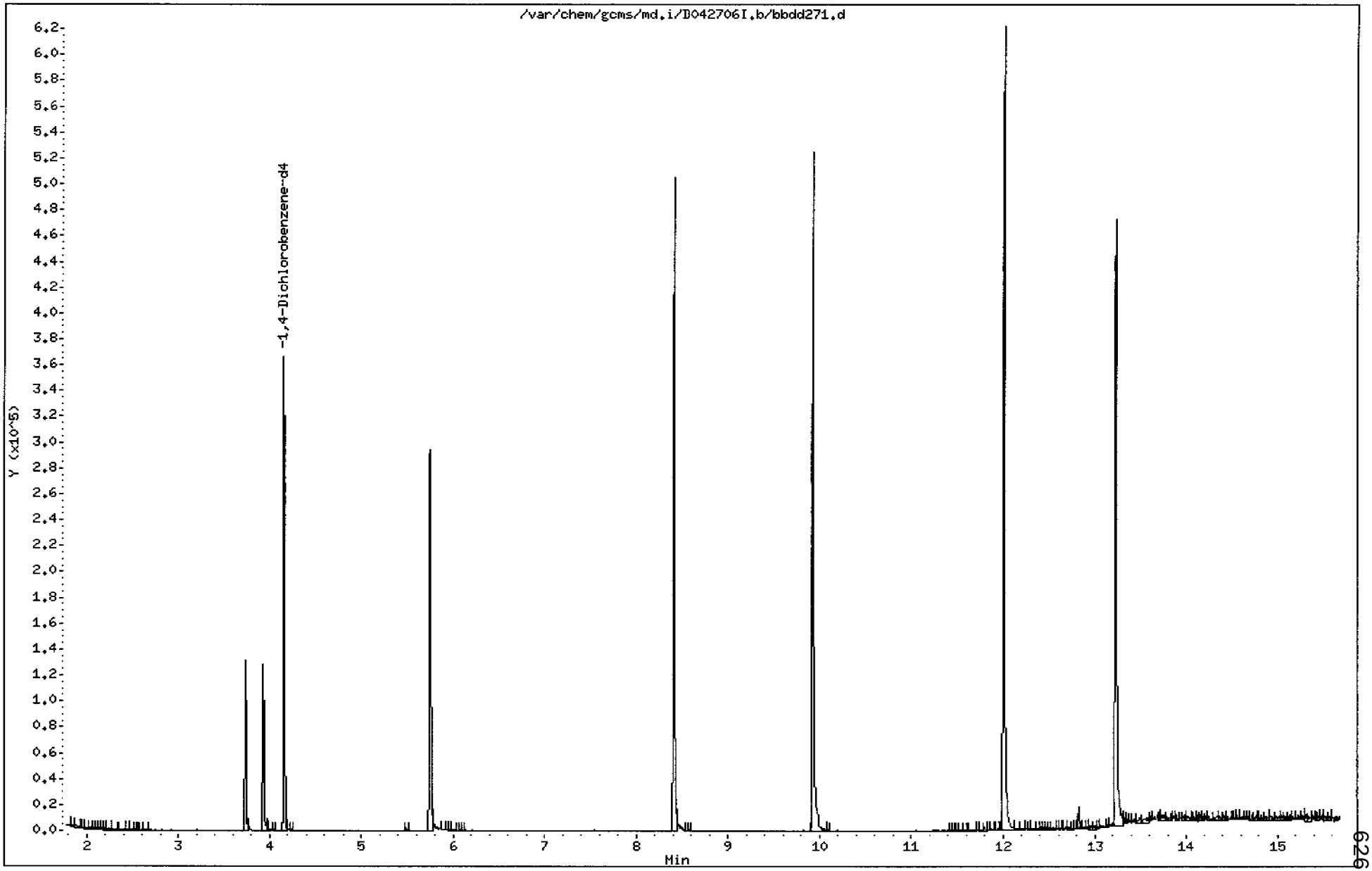
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	57438	20.0000	
184 Benzaldehyde	105	3.742	3.742	(0.900)	23182	10.0000	8.84
185 Benzonitrile	103	3.935	3.935	(0.946)	54830	10.0000	9.33

Data File: /var/chem/gcms/md.i/D042706I.b/bbdd271.d
Date : 27-APR-2006 15:00
Client ID: VSTD010
Sample Info: BBDD271,,1,1,,VSTD010,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/bbdd272.d
Report Date: 27-Apr-2006 15:19

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042706I.b/bbdd272.d
Lab Smp Id: BBDD272 Client Smp ID: VSTD025
Inj Date : 27-APR-2006 14:36
Operator : 60841 Inst ID: md.i
Smp Info : BBDD272,,1,2,,VSTD025,
Misc Info : D042706I,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Meth Date : 27-Apr-2006 15:19 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 14:36 Cal File: bbdd272.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

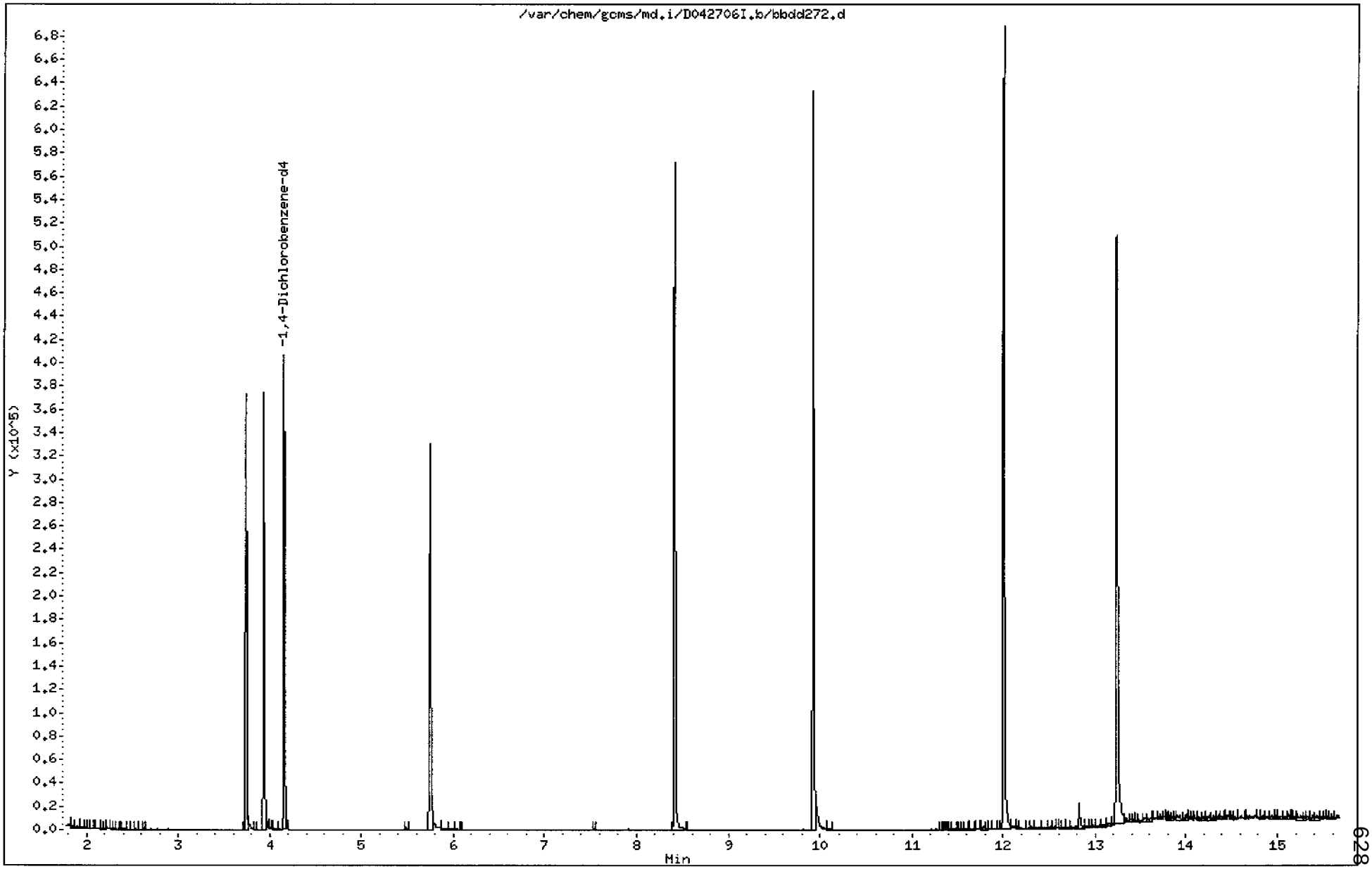
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	61824	20.0000	
184 Benzaldehyde	105	3.742	3.742	(0.900)	67076	25.0000	23.8
185 Benzonitrile	103	3.936	3.936	(0.946)	152530	25.0000	24.1

Data File: /var/chem/gcms/md.i/D042706I.b/bbdd272.d
Date : 27-APR-2006 14:36
Client ID: VSTD025
Sample Info: BBDD272,,1,2,,VSTD025,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/bbdd273.d
Report Date: 27-Apr-2006 15:19

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042706I.b/bbdd273.d
Lab Smp Id: BBDD273 Client Smp ID: VSTD040
Inj Date : 27-APR-2006 14:13
Operator : 60841 Inst ID: md.i
Smp Info : BBDD273,,1,3,,VSTD040,
Misc Info : D042706I,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Meth Date : 27-Apr-2006 15:19 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 14:13 Cal File: bbdd273.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

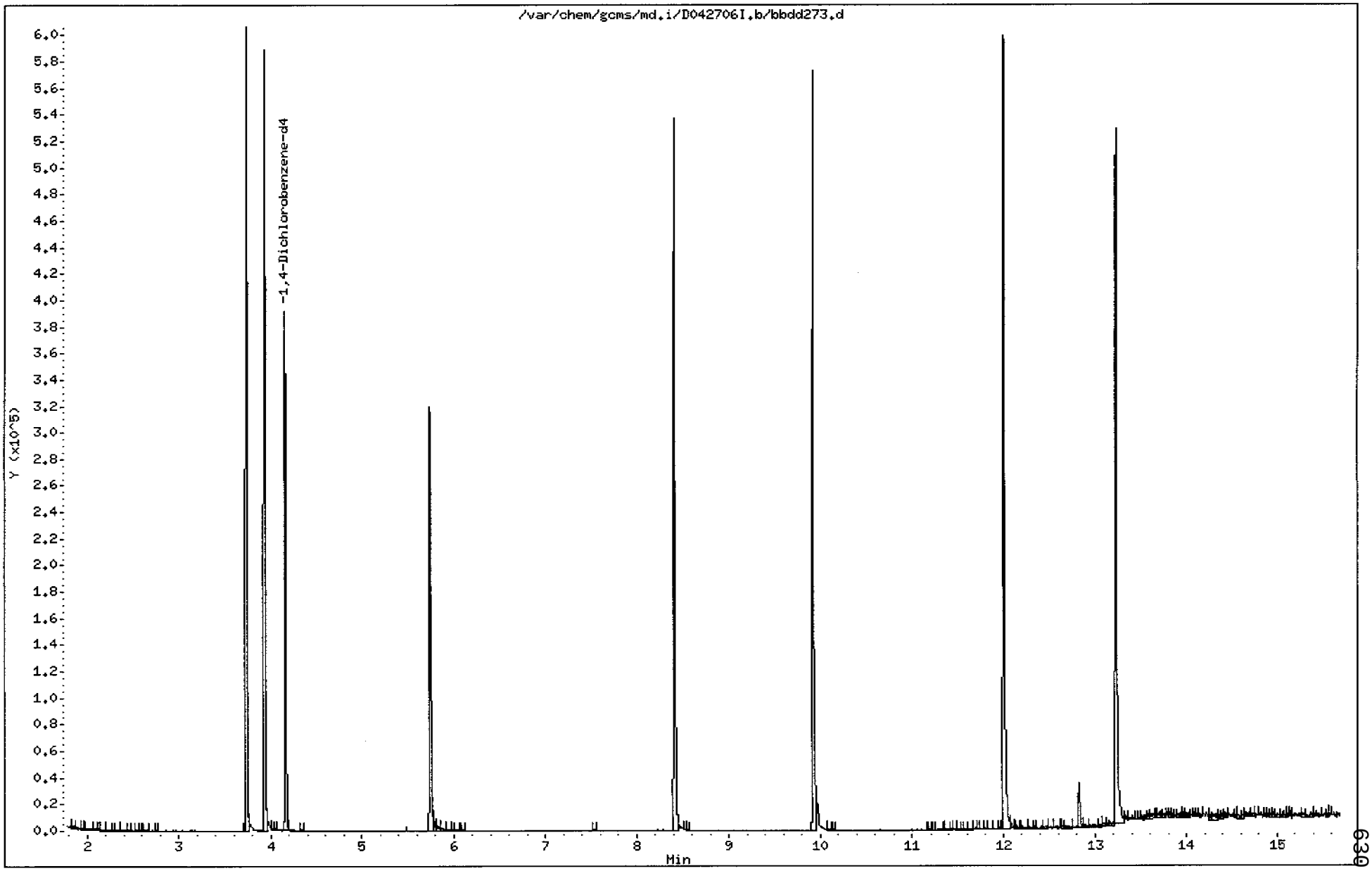
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	58585	20.0000	
184 Benzaldehyde	105	3.742	3.742	(0.900)	106692	40.0000	39.9
185 Benzonitrile	103	3.935	3.935	(0.946)	234753	40.0000	39.2

Data File: /var/chem/gcms/md.i/D042706I.b/bbdd273.d
Date : 27-APR-2006 14:13
Client ID: VSTD040
Sample Info: BBDD273,,1,3,,VSTD040,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/bbdd274.d
Report Date: 27-Apr-2006 15:19

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042706I.b/bbdd274.d
Lab Smp Id: BBDD274 Client Smp ID: VSTD060
Inj Date : 27-APR-2006 13:49
Operator : 60841 Inst ID: md.i
Smp Info : BBDD274,,1,4,,VSTD060,
Misc Info : D042706I,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Meth Date : 27-Apr-2006 15:19 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 13:49 Cal File: bbdd274.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

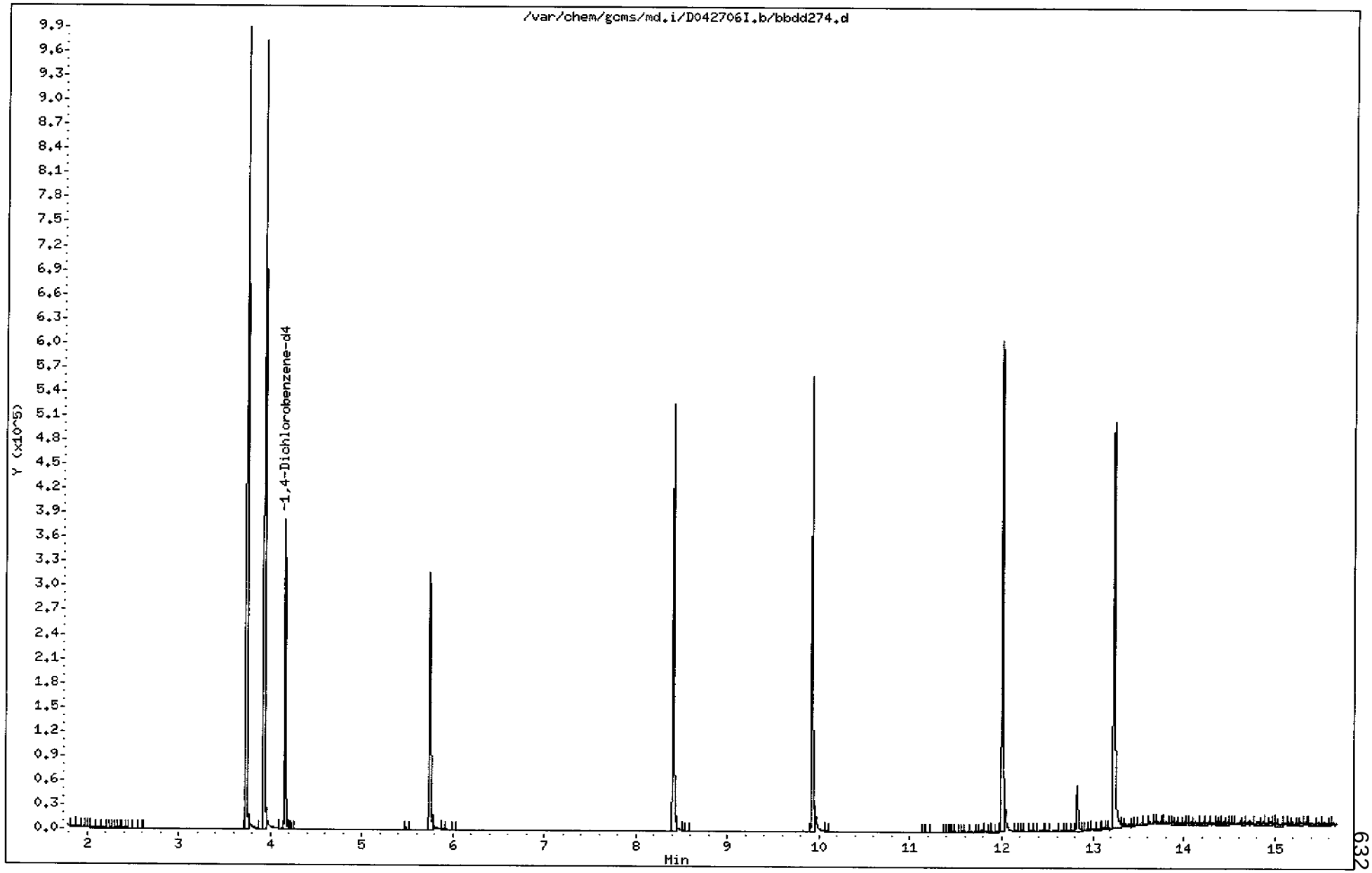
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	58041	20.0000	
184 Benzaldehyde	105	3.742	3.742	(0.900)	165044	60.0000	62.2
185 Benzonitrile	103	3.936	3.936	(0.946)	365781	60.0000	61.6

Data File: /var/chem/gcms/md.i/D042706I.b/bbdd274.d
Date : 27-APR-2006 13:49
Client ID: VSTD060
Sample Info: BBDD274,,1,4,,VSTD060,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/bbdd275.d
Report Date: 27-Apr-2006 15:19

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042706I.b/bbdd275.d
Lab Smp Id: BBDD275 Client Smp ID: VSTD120
Inj Date : 27-APR-2006 13:26
Operator : 60841 Inst ID: md.i
Smp Info : BBDD275,,1,5,,VSTD120,
Misc Info : D042706I,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Meth Date : 27-Apr-2006 15:19 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 13:26 Cal File: bbdd275.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

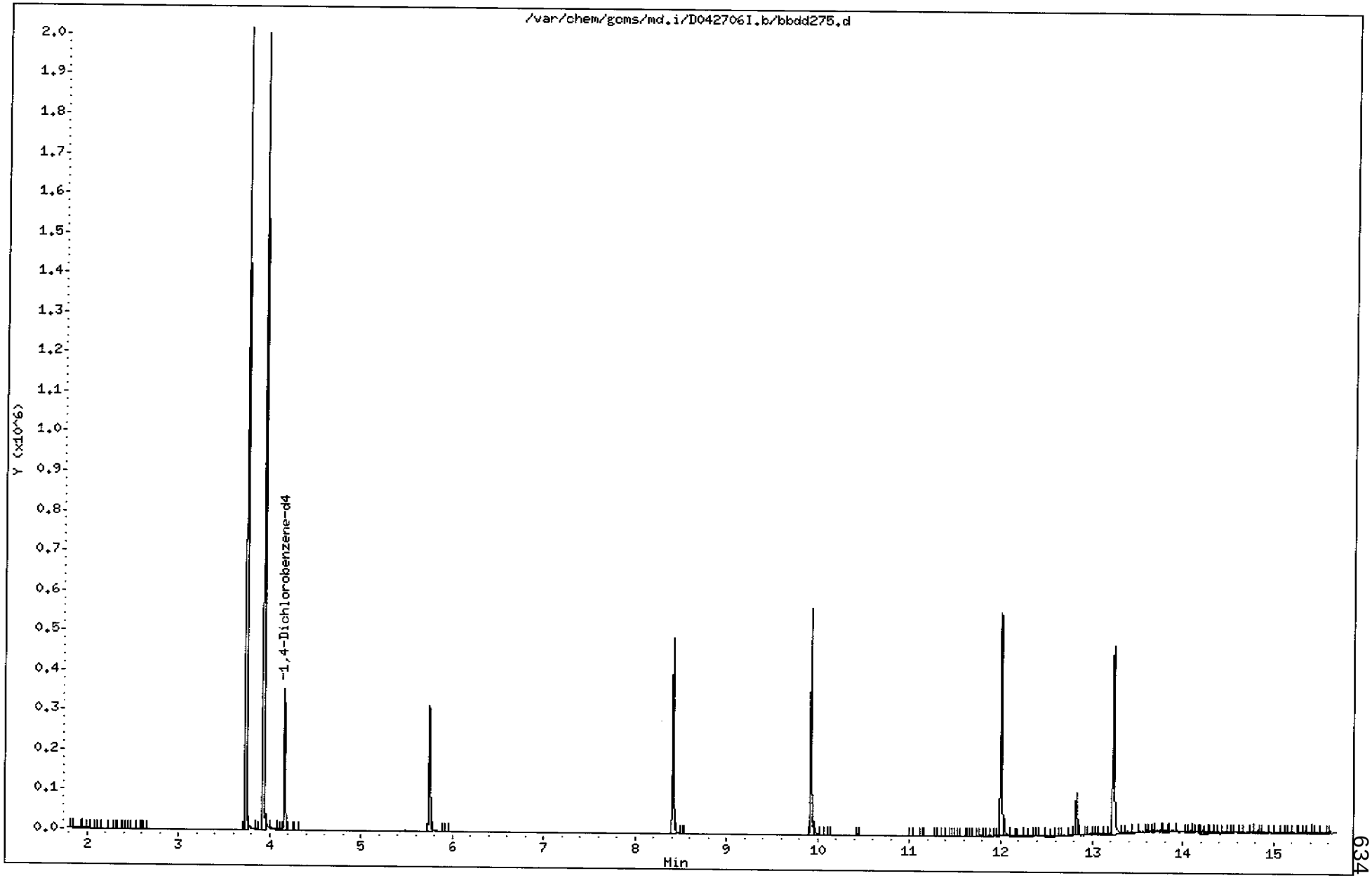
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	55582	20.0000	
184 Benzaldehyde	105	3.742	3.742	(0.900)	327015	120.000	129
185 Benzonitrile	103	3.935	3.935	(0.946)	716132	120.000	126

Data File: /var/chem/gcms/md.i/D042706I.b/bbdd275.d
Date : 27-APR-2006 13:26
Client ID: VSTD120
Sample Info: BBDD275,,1,5,,VSTD120,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/bbdd278.d
Report Date: 27-Apr-2006 15:19

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042706I.b/bbdd278.d
Lab Smp Id: BBDD278 Client Smp ID: VSTD200
Inj Date : 27-APR-2006 13:02
Operator : 60841 Inst ID: md.i
Smp Info : BBDD278,,1,8,,VSTD200,
Misc Info : D042706I,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Meth Date : 27-Apr-2006 15:19 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 13:02 Cal File: bbdd278.d
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

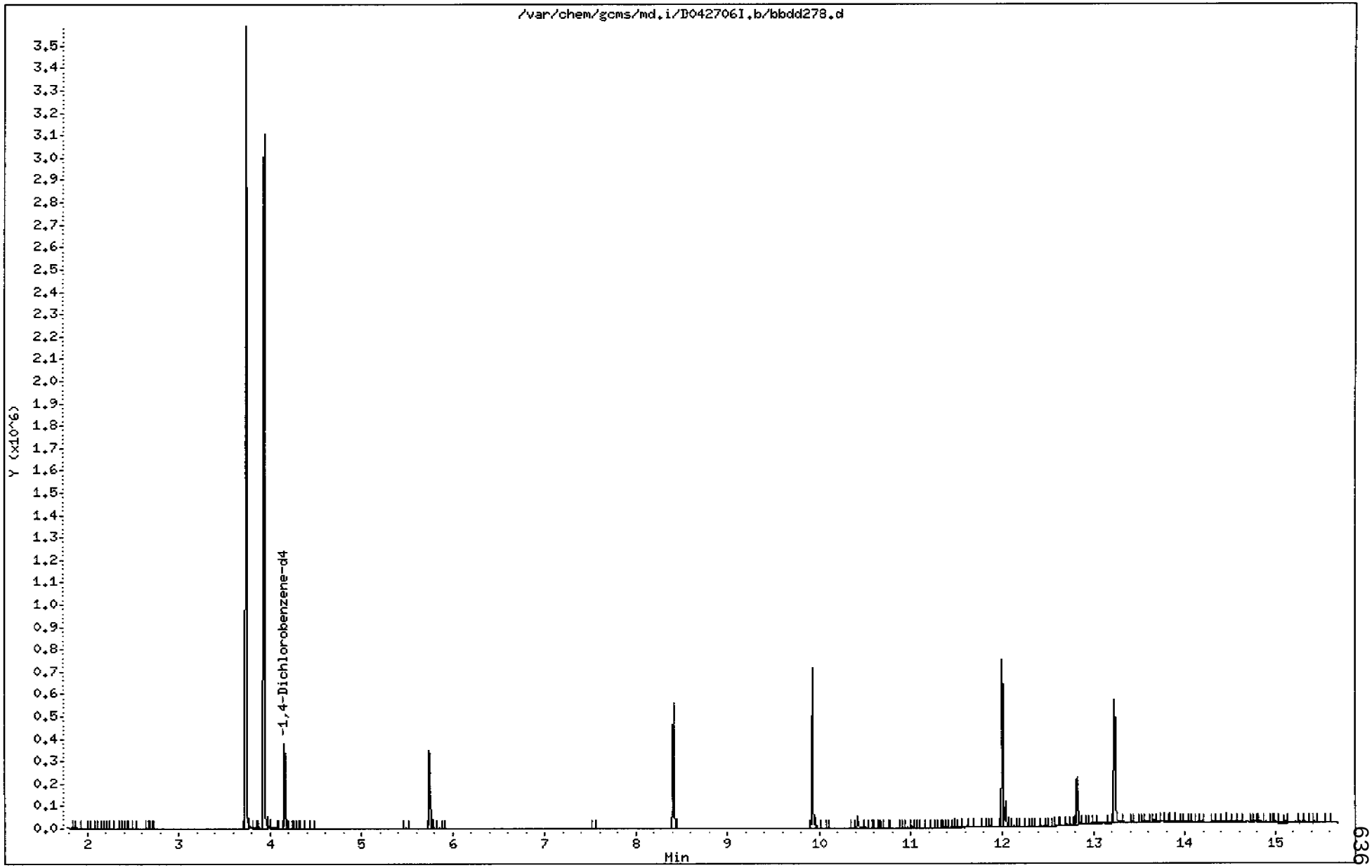
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	59209	20.0000	
184 Benzaldehyde	105	3.742	3.742	(0.900)	572300	200.000	212(A)
185 Benzonitrile	103	3.942	3.942	(0.948)	1265924	200.000	209(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D042706I.b/bbdd278.d
Date : 27-APR-2006 13:02
Client ID: VSTD200
Sample Info: BBDD278,,1,8,,VSTD200,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042706I.b/bbvdd27.d
Report Date: 27-Apr-2006 15:49

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042706I.b/bbvdd27.d
Lab Smp Id: BBVDD27 Client Smp ID: SECOND SOURCE
Inj Date : 27-APR-2006 15:23
Operator : 60841 Inst ID: md.i
Smp Info : BBVDD27,,3,,,SECOND SOURCE,
Misc Info : D042706I,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042706I.b/8270a9.m
Meth Date : 27-Apr-2006 15:19 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 8 QC Sample: 2ND SOURCE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Unit Correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug/L)	%D
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	56053	20.0000		
184 Benzaldehyde	105	3.742	3.742	(0.900)	167752	65.5253	65.5	9.2 %
185 Benzonitrile	103	3.936	3.935	(0.946)	370709	64.6663	64.7	7.8 %

KRM 4/27/06

Data File: /var/chem/gcms/md.i/D042706I.b/bbvdd27.d
Report Date: 27-Apr-2006 15:49

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: bbvdd27.d
Lab Smp Id: BBVDD27
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042706I.b/8270a9.m
Misc Info: D042706I,8270a9,benz.sub

Calibration Date: 27-APR-2006
Calibration Time: 13:49
Client Smp ID: SECOND SOURCE
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	58041	29020	116082	56053	-3.43

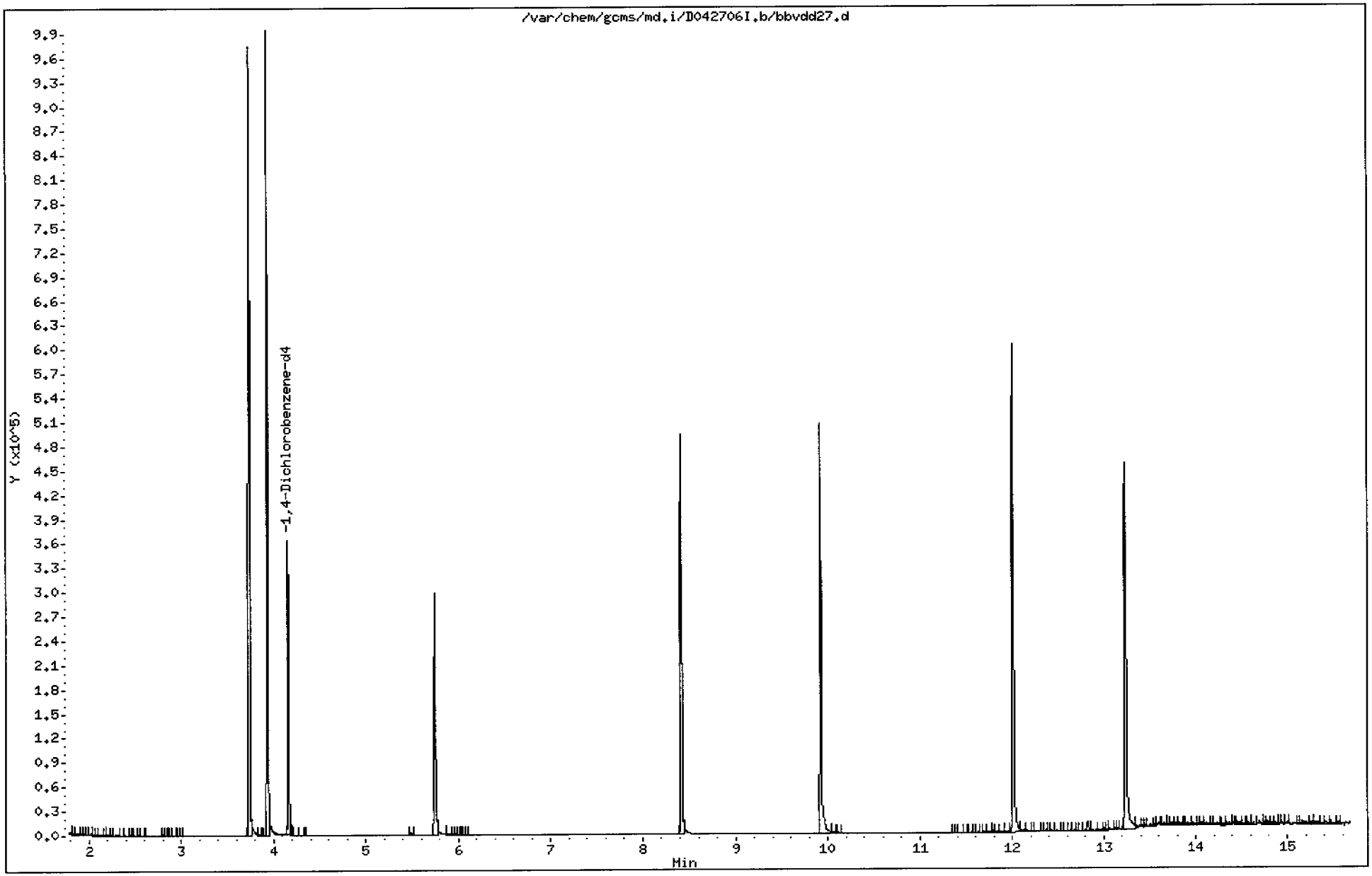
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042706I.b/bbvdd27.d
Date : 27-APR-2006 15:23
Client ID: SECOND SOURCE
Sample Info: BBVDD27,,3,,,SECOND SOURCE,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



STL Knoxville Semivolatile GC/MS Continuing Calibration Review / Narrative Checklist
Method 8270C - KNOX-MS-0016, Rev 6 and Method TO-13A Mod – KNOX-MS-0017, Rev 1

Analysis Date:	4/28/06	CCAL Batch/ Scan Name:	0042806	Instrument:	MD	ICAL Batch/ Scan Name:	0042706F	Scanned ☐

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ☐
1. Did DFTPP meet tune criteria?		✓			✓
2. Was DDT breakdown ≤20% & benzidine tailing ≤3 and PCP tailing ≤5?		✓			✓
3. Were all standards injected within 12 hr of DFTPP?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
5. Was the primary ion used for all compounds?		✓		☐ Secondary ion used due to interferences for:	✓
6. Are the RFs for SPCCs ≥0.050? (8270C)		✓			✓
7. Do the FRs meet minimum criteria? (TO-13 A mod)		✓			✓
8. Is the %D or drift ≤20% for all CCCs? (8270C)		✓			✓
9. Is the %D or drift ≤30% for all target analytes? (TO-13A Mod)		✓			✓
10. Is the %D or drift ≤ 30% for all other compounds? [Up to 3 TCLs may have %D or drift ≤ 40%; any more and the calibration is INVALID; 3 add'l allowed for App IX].		✓		☐ %D or drift > 30% for the following TCLs: Methyl methanosulfonate : -34.8% Dinoseb -39.9%	✓
11. Are the internal standard responses within limits? (50-200% of the mid-level ICAL standard)		✓			✓
12. Are the internal standard retention times within limits? (30 seconds of the mid-level ICAL standard)		✓			✓
13. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
14. Were all peaks identified automatically? *If not, list analytes:*		✓			✓
15. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				NA
16. Was the correct ICAL used for quantitation? (Verify date & time of ICAL is documented correctly on CCAL.)		✓			✓
17. Is the first IS documented correctly on the log?		✓			✓
18. Elution order checked on isomeric pairs/coeluters?					
• 1,4-dichlorobenzene-d4 / 1,2-dichlorobenzene-d4		✓			✓
• aniline / bis(2-chloroethyl)ether		✓			✓
• 1,3- , 1,4- , 1,2-dichlorobenzene		✓			✓
• benzyl alcohol / 2-methylphenol / 4-methylphenol		✓			✓
• 2,4,6- and 2,4,5-trichlorophenol		✓			✓
• phenanthrene / anthracene		✓			✓
• fluoranthene / pyrene		✓			✓
• benzo(a)anthracene / chrysene		✓			✓
• bis(2-ethylhexyl)/di-n-octyl phthalate		✓			✓
• benzo(b)fluoranthene / benzo(k)fluoranthene		✓			✓
• indeno(1,2,3-cd)pyrene / benzo(g,h,i)perylene		✓			✓
• safrole/1-chloronaphthalene/2- chloronaphthalene		✓			✓
• 1-/2-naphthylamine		✓			✓
19. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓			NCM #:	NA
20. Does the CCAL folder contain **complete** data in the following order? Data review checklist, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quant report, chromatogram and manual integrations.		✓			✓

Analyst: KRM	Date: 4/28/06	2nd Level Reviewer :	Date: 05/05/06
Comments:		Comments:	

STL Knoxville
Instrument MD Run/Maintenance Log

Preventive Maintenance Performed ☐ NA ☑ INJ **Date/Time Verified** ☑

Target Batch	D042806			Date	4/28/06
ICAL Batch	D042706I			Analyst	KRM
IS #1	(8270) 61515			Internal Std ID*	EM2291

* was added to all sample extracts at 3 ul per 300 ul unless noted. Instrument injection volume is 1 ul unless otherwise noted.

Lot	Filename	Time	Dil.	Matrix	Batch	Comments
Tune	DFDD28	920	–	EM2258B	–	
8270 CCV	CCDD284	930	–	EM2301	–	
A9 CCV	A9DD284	953	–	EM2302	–	
Benz CCV	BBDD284	1017 KRM 4/28/06	–	EM2298C	–	
BLK	H2PJ51AA	1040	–	Air/XAD	6096187	westates.sub
LCS	H2PJ51AC	1103	–			8270.sub
DUP	H2PJ51AD	1127	–			↓
H6D030245	H2H3L1AA	1150	–			westates.sub
	H2H3P1AA	1213	–			
	H2H3J1AA	1237	–			
	H2H3W1AA	1300	–			
	H2H301AA	1324	–			
	H2H321AA	1347	–			
BLK	H2P2~~J~~J21AA KRM 4/28/06	1410	–	Air/Filter	6096185	
LCS	H2PJ21AC	1434	–			8270.sub
DUP	H2PJ21AD	1457	–			↓
H6D030245	H2H3J1AA	1521	–			westates.sub
	H2H3N1AA	1544	–			
	H2H3R1AA	1607	–			
	H2H3X1AA	1631	–			
	H2H331AA	1654	–			
BLK	H2PKP1AA	1718	–	Air/COND	6096189	
LCS	H2PKP1AC	1741	–			8270.sub
DUP	H2PKP1AD	1805	–			↓
H6D030245	H2H3M1AA	1828	–			westates.sub
	H2H3Q1AA	1851	–			
	H2H3V1AA	1915	–			
	H2H311AA	1938	–			
			KRM 5/1/06			

Comments:

Data File: /chem/gcms/md.i/D042806.b/dfdd28.d

Date : 28-APR-2006 09:20

Client ID: Tune

Instrument: md.i

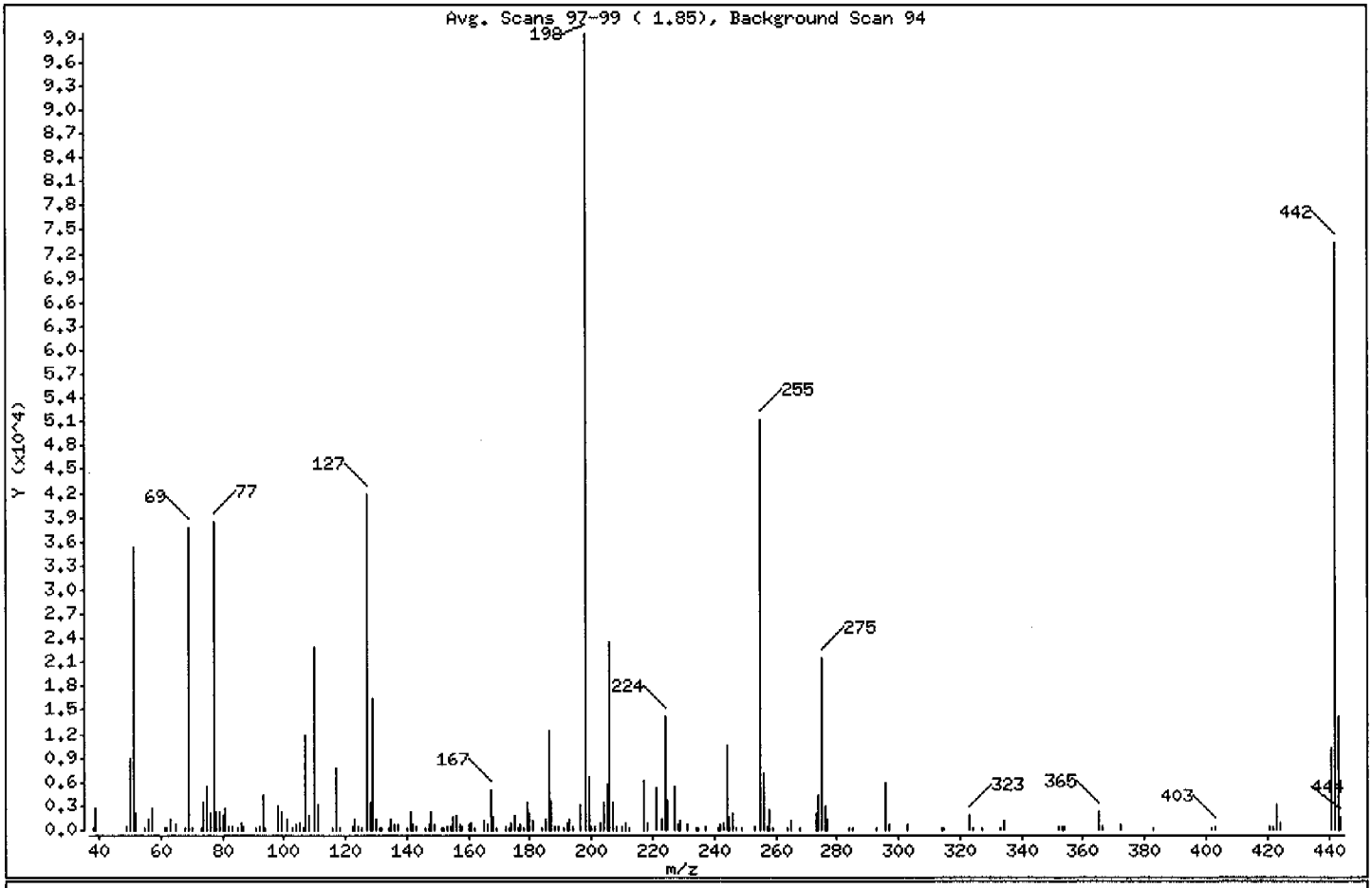
Sample Info: DFDD28,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.45
68	Less than 1.99% of mass 69	0.18 (0.48)
69	Present, but less than mass 198	37.88
70	Less than 1.99% of mass 69	0.21 (0.54)
127	40.00 - 60.00% of mass 198	41.98
197	Less than 0.99% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 30.00% of mass 198	21.65
365	1.01 - 100.00% of mass 198	2.23
441	Present, but less than mass 443	10.37
442	40.01 - 110.00% of mass 198	73.84
443	17.00 - 23.00% of mass 442	14.23 (19.28)

Data File: /chem/gcms/md.i/D042806.b/dfdd28.d

Date : 28-APR-2006 09:20

Client ID: Tune

Instrument: md.i

Sample Info: DFDD28,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdd28.d
Spectrum: Avg. Scans 97-99 (1.85), Background Scan 94
Location of Maximum: 198.00
Number of points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	255	118.00	258	180.00	2099	253.00	358
39.00	2772	122.00	528	181.00	1180	255.00	51240
49.00	421	123.00	1294	184.00	236	256.00	7179
50.00	9000	124.00	517	185.00	1320	257.00	429
51.00	35312	125.00	327	186.00	12277	258.00	2455
52.00	2137	127.00	41808	187.00	3743	259.00	276
55.00	168	128.00	3431	188.00	344	264.00	194
56.00	1312	129.00	16520	189.00	522	265.00	1031
57.00	2660	130.00	1417	191.00	223	268.00	168
61.00	199	131.00	207	192.00	875	273.00	1973
62.00	326	132.00	192	193.00	1414	274.00	4315
63.00	1397	134.00	275	194.00	396	275.00	21560
65.00	612	135.00	1395	196.00	3263	276.00	2986
68.00	180	136.00	639	198.00	99600	277.00	1461
69.00	37728	137.00	654	199.00	6686	284.00	186
70.00	205	140.00	173	200.00	503	285.00	284
73.00	290	141.00	2254	201.00	535	293.00	240
74.00	3343	142.00	675	203.00	856	296.00	5957
75.00	5529	143.00	485	204.00	3483	297.00	737
76.00	2060	146.00	239	205.00	5691	303.00	653
77.00	38416	147.00	786	206.00	23624	314.00	222
78.00	2313	148.00	2386	207.00	3539	315.00	290
79.00	2191	149.00	661	208.00	572	323.00	1928
80.00	1854	151.00	234	210.00	478	324.00	203
81.00	2679	152.00	182	211.00	991	327.00	224
82.00	355	153.00	547	212.00	188	333.00	181
83.00	398	154.00	414	217.00	6276	334.00	1257
85.00	190	155.00	1496	218.00	935	352.00	345
86.00	1013	156.00	1745	221.00	5185	353.00	441
87.00	456	157.00	677	223.00	1329	354.00	532
91.00	253	158.00	422	224.00	14273	365.00	2218
92.00	466	160.00	595	225.00	3577	366.00	400
93.00	4371	161.00	944	227.00	5545	372.00	648
94.00	177	162.00	183	228.00	758	383.00	177
98.00	3000	165.00	1125	229.00	1045	402.00	190

Data File: /chem/gcms/md.i/D042806.b/dfdd28.d

Date : 28-APR-2006 09:20

Client ID: Tune

Instrument: md.i

Sample Info: DFDD28,,3,,DFTPP,

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Data File: dfdd28.d

Spectrum: Avg. Scans 97-99 (1.85), Background Scan 94

Location of Maximum: 198.00

Number of points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
99.00	2310	166.00	706	231.00	600	403.00	516
101.00	1297	167.00	5019	234.00	257	421.00	344
103.00	309	168.00	1703	235.00	206	422.00	500
104.00	754	169.00	256	237.00	563	423.00	3181
105.00	1012	172.00	408	241.00	186	424.00	943
106.00	199	173.00	254	242.00	680	441.00	10329
107.00	11861	174.00	909	243.00	999	442.00	73544
108.00	1867	175.00	1765	244.00	10484	443.00	14177
110.00	22928	176.00	212	245.00	1539	444.00	1554
111.00	3214	177.00	697	246.00	2145		
116.00	313	178.00	189	247.00	192		
117.00	7867	179.00	3361	249.00	192		

Data File: /chem/gcms/md.i/D042806.b/dfdd28.d

Date : 28-APR-2006 09:20

Client ID: Tune

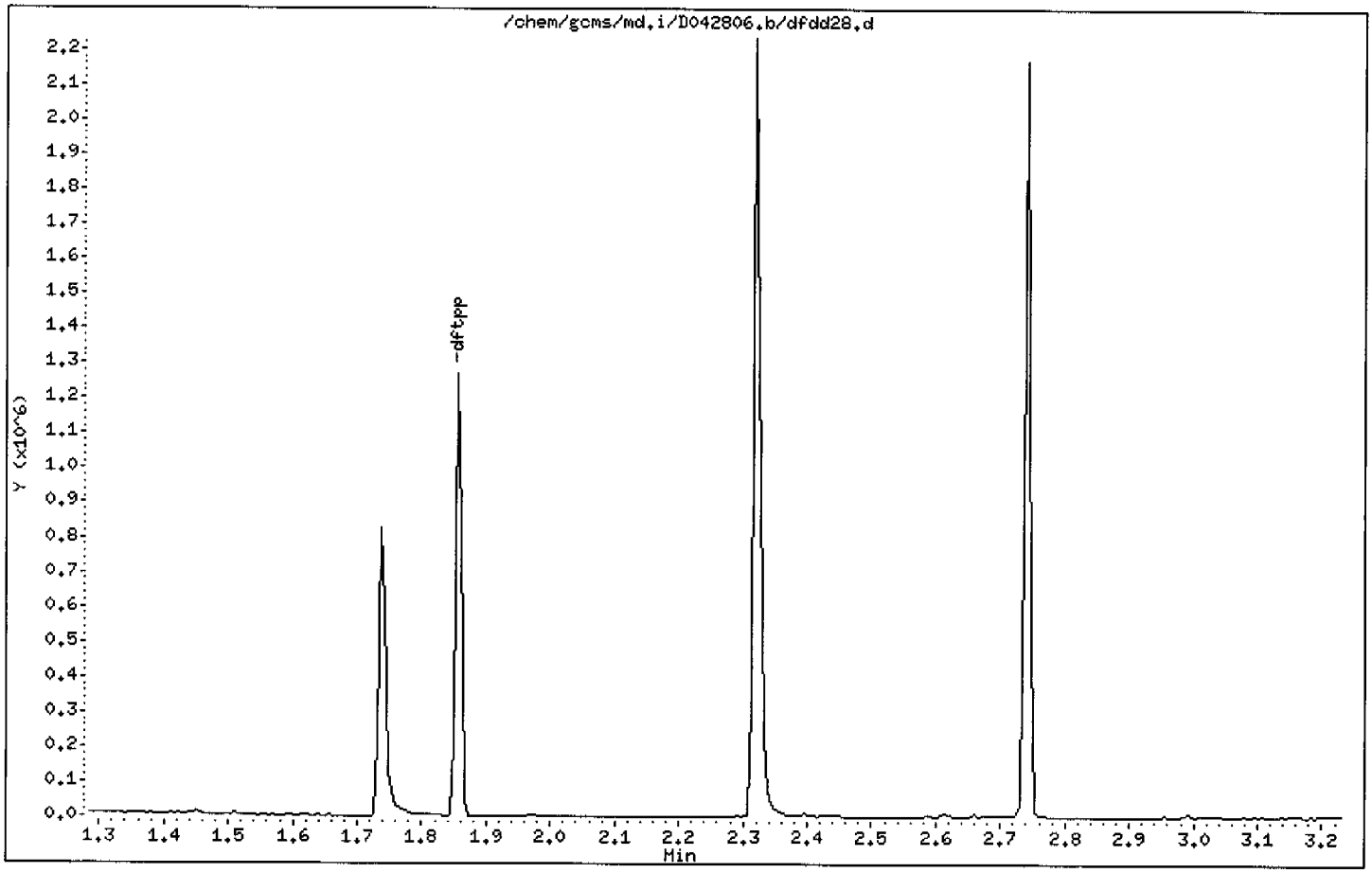
Instrument: md.i

Sample Info: DFDD28,,3,,DFTPP,

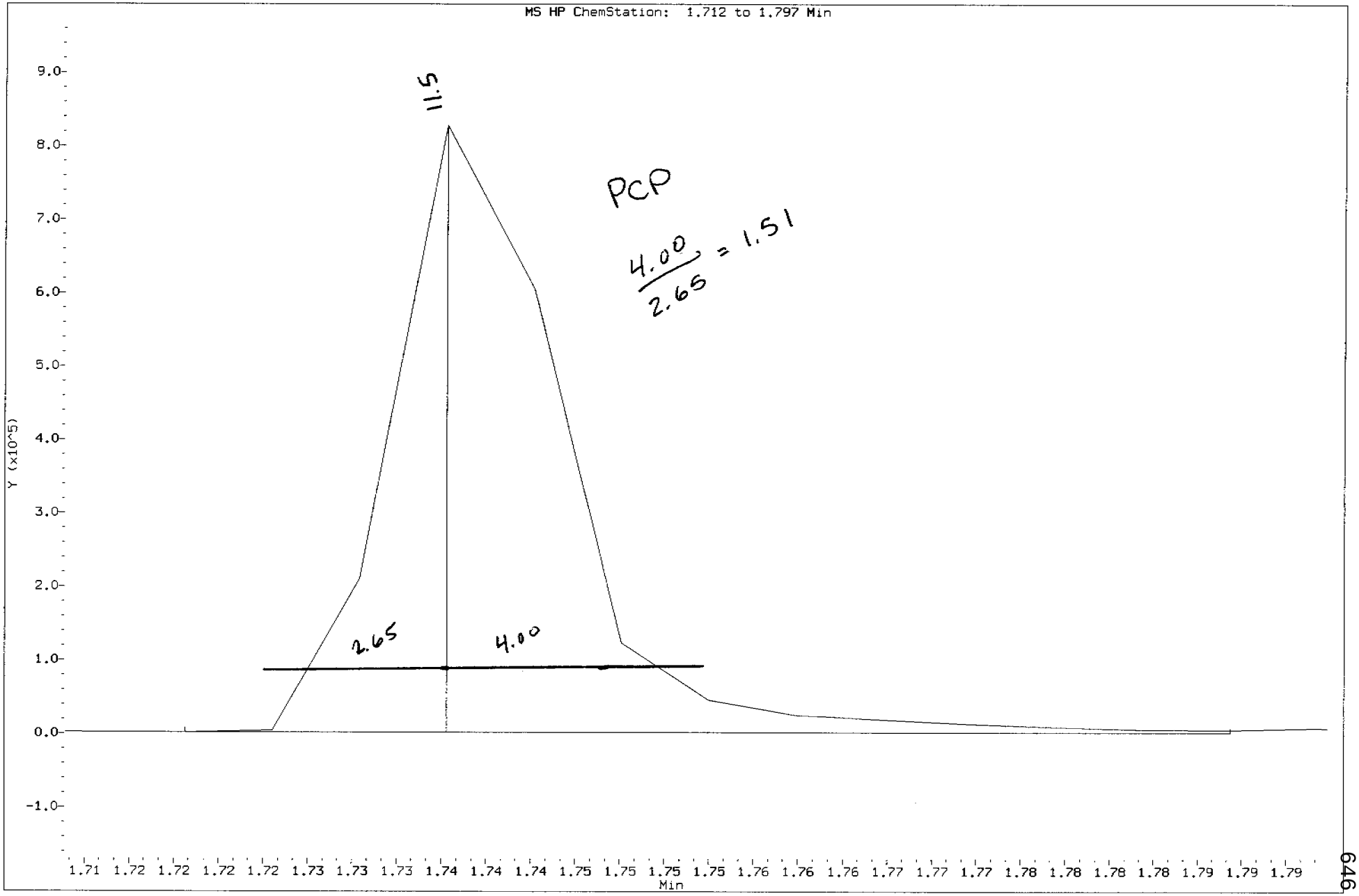
Operator: 60841

Column phase: ZB-5

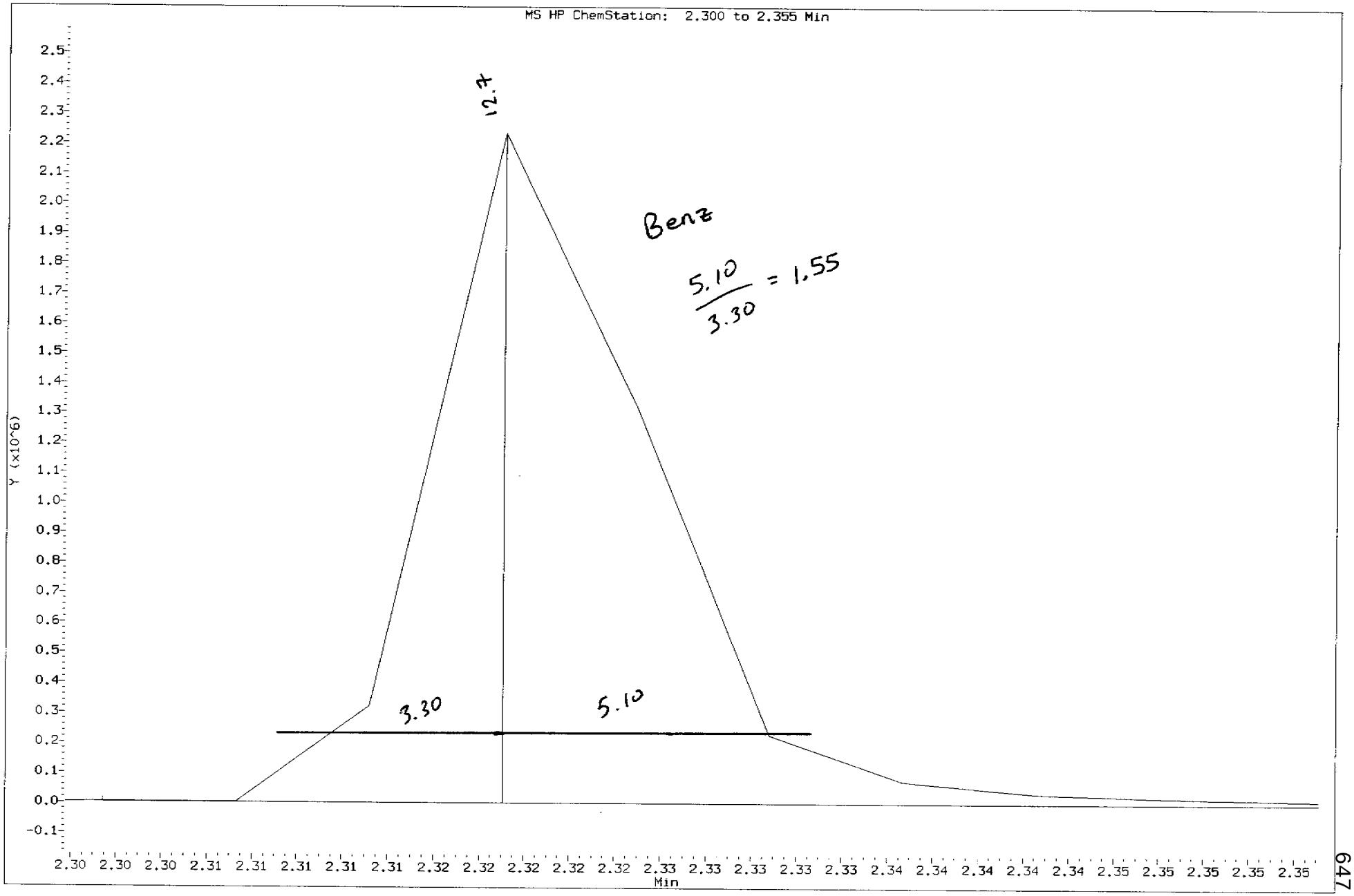
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/dfdd28.d
Injection Date: 28-APR-2006 09:20
Instrument: md.i
Client Sample ID: Tune



Data File: /var/chem/gcms/md.i/D042806.b/dfdd28.d
Injection Date: 28-APR-2006 09:20
Instrument: md.i
Client Sample ID: Tune



Data File: /var/chem/gcms/md.i/D042806.b/ccdd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: ccdd284.d
Analysis Type: SOIL
Lab Sample ID: CCDD284
Method: /var/chem/gcms/md.i/D042806.b/8270a9.m

Injection Date: 28-APR-2006 09:30
Init. Cal. Date(s): 13-FEB-2006 27-APR-2006
Init. Cal. Times: 09:22 15:00
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF60	CCAL RRF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.39863	1.27631	1.27631	0.000	8.74634	30.00000	Averaged
$ 8 Phenol-d5	1.68711	1.49714	1.49714	0.000	11.25979	30.00000	Averaged
$ 9 Nitrobenzene-d5	0.45083	0.39263	0.39263	0.000	12.90872	30.00000	Averaged
$ 10 2-Fluorobiphenyl	1.31850	1.35384	1.35384	0.000	-2.68089	30.00000	Averaged
$ 11 2,4,6-Tribromophenol	0.12682	0.11404	0.11404	0.000	10.07535	30.00000	Averaged
$ 12 Terphenyl-d14	0.97277	0.97132	0.97132	0.000	0.14921	30.00000	Averaged
$ 179 13C6-naphthalene	1.28786	1.45512	1.45512	0.000	-12.98768	30.00000	Averaged
$ 180 Pentachlorophenol C13	60.10587	60.00000	0.20262	0.000	-0.17646	30.00000	Linear
175 1,4-Dioxane	0.47084	0.42382	0.42382	0.000	9.98651	30.00000	Averaged
13 N-Nitrosodimethylamine	0.66754	0.62430	0.62430	0.000	6.47683	30.00000	Averaged
14 Pyridine	1.33475	1.30845	1.30845	0.000	1.97094	30.00000	Averaged
15 Phenol (ccc)	1.78314	1.63211	1.63211	0.000	8.46968	20.00000	Averaged
16 Aniline	1.99121	1.80098	1.80098	0.000	9.55330	30.00000	Averaged
17 Bis(2-chloroethyl)ether	1.24783	1.03320	1.03320	0.000	17.20029	30.00000	Averaged
18 2-Chlorophenol	1.32571	1.21322	1.21322	0.000	8.48543	30.00000	Averaged
19 1,3-Dichlorobenzene	1.51811	1.46525	1.46525	0.000	3.48219	30.00000	Averaged
20 1,4-Dichlorobenzene (ccc)	1.53360	1.47434	1.47434	0.000	3.86393	20.00000	Averaged
21 Benzyl alcohol	0.88427	0.78100	0.78100	0.000	11.67927	30.00000	Averaged
22 1,2-Dichlorobenzene	1.46980	1.42202	1.42202	0.000	3.25085	30.00000	Averaged
23 2-Methylphenol	1.26672	1.16363	1.16363	0.000	8.13822	30.00000	Averaged
24 2,2'-Oxybis(1-Chloropropane	2.13854	1.69555	1.69555	0.000	20.71462	30.00000	Averaged
25 4-Methylphenol	1.31683	1.16687	1.16687	0.000	11.38768	30.00000	Averaged
26 3&4 Methylphenol	1.31683	1.16687	1.16687	0.000	11.38768	30.00000	Averaged
27 N-Nitroso-di-n-propylamine#	0.98263	0.82947	0.82947	0.050	15.58675	30.00000	Averaged
28 Hexachloroethane	0.59644	0.48816	0.48816	0.000	18.15472	30.00000	Averaged
29 Nitrobenzene	0.43711	0.37250	0.37250	0.000	14.78086	30.00000	Averaged
30 Isophorone	0.81160	0.68972	0.68972	0.000	15.01770	30.00000	Averaged
31 2-Nitrophenol (ccc)	0.19820	0.20205	0.20205	0.000	-1.94293	20.00000	Averaged
32 2,4-Dimethyphenol	0.43959	0.39819	0.39819	0.000	9.41733	30.00000	Averaged
33 Bis(2-chloroethoxy)methane	0.46673	0.39605	0.39605	0.000	15.14239	30.00000	Averaged
34 Benzoic acid	0.22717	0.19215	0.19215	0.000	15.41513	30.00000	Averaged
35 2,4-Dichlorophenol (ccc)	0.34973	0.33688	0.33688	0.000	3.67390	20.00000	Averaged
36 1,2,4-Trichlorobenzene	0.38928	0.38475	0.38475	0.000	1.16435	30.00000	Averaged
37 Naphthalene	1.17113	1.13699	1.13699	0.700	2.91574	30.00000	Averaged
38 4-Chloroaniline	0.50482	0.47693	0.47693	0.000	5.52447	30.00000	Averaged

Data File: /var/chem/gcms/md.i/D042806.b/ccdd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: ccdd284.d
Analysis Type: SOIL
Lab Sample ID: CCDD284
Method: /var/chem/gcms/md.i/D042806.b/8270a9.m

Injection Date: 28-APR-2006 09:30
Init. Cal. Date(s): 13-FEB-2006 27-APR-2006
Init. Cal. Times: 09:22 15:00
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF60	CCAL RRF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
39 Hexachlorobutadiene (ccc)	0.28088	0.25766	0.25766	0.000	8.26801	20.00000	Averaged
40 4-Chloro-3-methylphenol (cc	0.36710	0.32384	0.32384	0.000	11.78425	20.00000	Averaged
41 2-Methylnaphthalene	0.74760	0.76061	0.76061	0.000	-1.74060	30.00000	Averaged
42 Hexachlorocyclopentadiene##	0.44891	0.35234	0.35234	0.050	21.51355	30.00000	Averaged
43 2,4,6-Trichlorophenol (ccc)	0.40869	0.38460	0.38460	0.000	5.89420	20.00000	Averaged
44 2,4,5-Trichlorphenol	0.45194	0.43781	0.43781	0.000	3.12654	30.00000	Averaged
45 2-Chloronaphthalene	1.20272	1.10954	1.10954	0.000	7.74760	20.00000	Averaged
46 2-Nitroaniline	0.38272	0.30525	0.30525	0.000	20.24157	30.00000	Averaged
47 Acenaphthylene	1.88762	1.81547	1.81547	1.300	3.82273	30.00000	Averaged
48 Dimethyl phthalate	1.38376	1.24685	1.24685	0.000	9.89427	30.00000	Averaged
49 2,6-Dinitrotoluene	0.29580	0.28337	0.28337	0.000	4.20067	30.00000	Averaged
50 3-Nitroaniline	0.35395	0.33099	0.33099	0.000	6.48653	30.00000	Averaged
51 Acenaphthene (ccc)	1.13344	1.09511	1.09511	0.800	3.38147	20.00000	Averaged
52 2,4-Dinitrophenol ##spcc##	58.38091	60.00000	0.13518	0.050	2.69849	30.00000	Linear
53 Dibenzofuran	1.69092	1.61479	1.61479	0.000	4.50211	30.00000	Averaged
54 4-Nitrophenol ##spcc##	0.22075	0.15688	0.15688	0.050	28.93583	30.00000	Averaged
55 2,4-Dinitrotoluene	0.39847	0.38759	0.38759	0.000	2.72947	30.00000	Averaged
56 Fluorene	1.40918	1.37934	1.37934	0.900	2.11763	30.00000	Averaged
57 4-Chlorophenyl phenyl ether	0.70099	0.67713	0.67713	0.000	3.40411	30.00000	Averaged
58 Diethyl phthalate	1.36192	1.20540	1.20540	0.000	11.49273	30.00000	Averaged
59 4-Nitroaniline	0.35796	0.32984	0.32984	0.000	7.85513	30.00000	Averaged
60 4,6-Dinitro-2-methylphenol	0.12583	0.13957	0.13957	0.000	-10.91900	30.00000	Averaged
61 N-Ndpa / diphenylamine (ccc	0.52311	0.56099	0.56099	0.000	-7.24117	20.00000	Averaged
62 1,2-Diphenylhydrazine/azobn	0.81128	0.67362	0.67362	0.000	16.96917	30.00000	Averaged
63 4-Bromophenyl phenyl ether	0.22257	0.20529	0.20529	0.000	7.76202	30.00000	Averaged
64 Hexachlorobenzene	0.27825	0.23828	0.23828	0.000	14.36601	30.00000	Averaged
65 Pentachlorophenol (ccc)	0.18014	0.15936	0.15936	0.000	11.53873	20.00000	Averaged
66 Phenanthrene	1.20596	1.19867	1.19867	0.700	0.60476	30.00000	Averaged
67 Anthracene	1.20643	1.19764	1.19764	0.700	0.72883	30.00000	Averaged
68 Carbazole	1.13666	1.09514	1.09514	0.000	3.65239	30.00000	Averaged
69 Di-n-butyl phthalate	1.28900	1.19152	1.19152	0.000	7.56252	20.00000	Averaged
70 Fluoranthene (ccc)	1.30260	1.38329	1.38329	0.600	-6.19429	20.00000	Averaged
71 Pyrene	1.27917	1.34302	1.34302	0.600	-4.99136	30.00000	Averaged
72 Butyl benzyl phthalate	0.57324	0.52680	0.52680	0.000	8.10141	30.00000	Averaged
73 Benzo(a)Anthracene	1.30957	1.23535	1.23535	0.800	5.66739	30.00000	Averaged

Data File: /var/chem/gcms/md.i/D042806.b/ccdd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: ccdd284.d
Analysis Type: SOIL
Lab Sample ID: CCDD284
Method: /var/chem/gcms/md.i/D042806.b/8270a9.m

Injection Date: 28-APR-2006 09:30
Init. Cal. Date(s): 13-FEB-2006 27-APR-2006
Init. Cal. Times: 09:22 15:00
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF60	CCAL RRF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
74 3,3'-Dichlorobenzidine	0.49575	0.45994	0.45994	0.000	7.22219	30.00000	Averaged
75 Chrysene	1.25393	1.24563	1.24563	0.700	0.66193	30.00000	Averaged
76 Bis(2-ethylhexyl) phthalate	0.72851	0.68759	0.68759	0.000	5.61711	30.00000	Averaged
77 Di-n-octyl phthalate (ccc)	1.46223	1.32454	1.32454	0.000	9.41635	20.00000	Averaged
78 Benzo(b)fluoranthene	1.53690	1.43949	1.43949	0.700	6.33840	30.00000	Averaged
79 Benzo(k)fluoranthene	1.56942	1.48574	1.48574	0.700	5.33157	30.00000	Averaged
80 Benzo(a)pyrene (ccc)	1.28083	1.21123	1.21123	0.700	5.43379	20.00000	Averaged
81 Indeno(1,2,3-cd)pyrene	1.41907	1.32560	1.32560	0.500	6.58621	30.00000	Averaged
82 Dibenz(a,h)anthracene	1.18940	1.11378	1.11378	0.400	6.35792	30.00000	Averaged
83 Benzo(g,h,i)perylene	1.20024	1.12859	1.12859	0.500	5.96986	30.00000	Averaged

Data File: /var/chem/gcms/md.i/D042806.b/ccdd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/ccdd284.d
Lab Smp Id: CCDD284 Client Smp ID: STD060
Inj Date : 28-APR-2006 09:30
Operator : 60841 Inst ID: md.i
Smp Info : CCDD284,,2,4,,STD060,
Misc Info : D042806,8270a9,8270dxnC13.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 28-Apr-2006 13:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270dxnC13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	61515	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	201763	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	143273	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	247023	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	265356	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	233795	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	235539	60.0000	54.8
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	276294	60.0000	53.2
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	237658	60.0000	52.2
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	581908	60.0000	61.6
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	84512	60.0000	54.0
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	773241	60.0000	59.9
$ 179 13C6-naphthalene	134	5.775	5.775	(1.004)	880770	60.0000	67.8
$ 180 Pentachlorophenol C13	272	9.829	9.829	(0.991)	150159	60.0000	60.1
175 1,4-Dioxane	88	1.850	1.850	(0.445)	78215	60.0000	54.0

Data File: /var/chem/gcms/md.i/D042806.b/ccdd284.d
Report Date: 28-Apr-2006 13:17

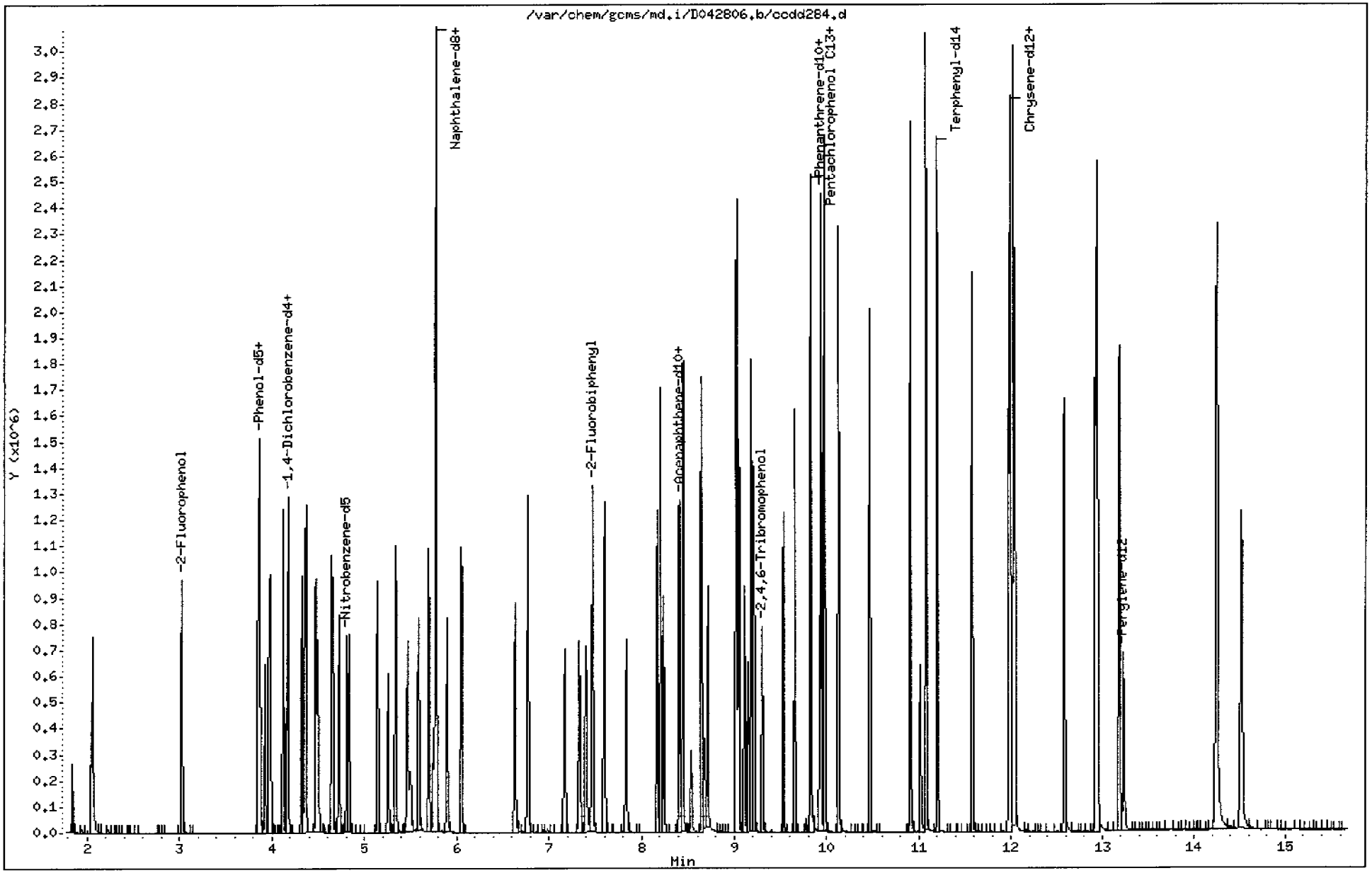
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
13 N-Nitrosodimethylamine	74	2.050	2.050	(0.493)	115213	60.0000	56.1
14 Pyridine	79	2.067	2.067	(0.497)	241470	60.0000	58.8
15 Phenol (ccc)	94	3.865	3.865	(0.929)	301202	60.0000	54.9
16 Aniline	93	3.871	3.871	(0.931)	332367	60.0000	54.3
17 Bis(2-chloroethyl)ether	93	3.930	3.930	(0.945)	190675	60.0000	49.7
18 2-Chlorophenol	128	3.989	3.989	(0.959)	223896	60.0000	54.9
19 1,3-Dichlorobenzene	146	4.124	4.124	(0.992)	270408	60.0000	57.9
20 1,4-Dichlorobenzene (ccc)	146	4.177	4.177	(1.004)	272086	60.0000	57.7
21 Benzyl alcohol	108	4.323	4.323	(1.040)	144131	60.0000	53.0
22 1,2-Dichlorobenzene	146	4.370	4.370	(1.051)	262430	60.0000	58.0
23 2-Methylphenol	108	4.476	4.476	(1.076)	214746	60.0000	55.1
24 2,2'-Oxybis(1-Chloropropane)	45	4.494	4.494	(1.081)	312910	60.0000	47.6
25 4-Methylphenol	108	4.647	4.647	(1.117)	215343	60.0000	53.2
26 3&4 Methylphenol	108	4.647	4.647	(1.117)	215343	60.0000	53.2
27 N-Nitroso-di-n-propylamine###	70	4.658	4.658	(1.120)	153077	60.0000	50.6
28 Hexachloroethane	117	4.723	4.723	(1.136)	90088	60.0000	49.1
29 Nitrobenzene	77	4.835	4.835	(0.841)	225469	60.0000	51.1
30 Isophorone	82	5.140	5.140	(0.894)	417481	60.0000	51.0
31 2-Nitrophenol (ccc)	139	5.258	5.258	(0.914)	122298	60.0000	61.2
32 2,4-Dimethyphenol	107	5.340	5.340	(0.928)	241023	60.0000	54.3
33 Bis(2-chloroethoxy)methane	93	5.463	5.463	(0.950)	239728	60.0000	50.9
34 Benzoic acid	122	5.504	5.504	(0.957)	116307	60.0000	50.8
35 2,4-Dichlorophenol (ccc)	162	5.587	5.587	(0.971)	203910	60.0000	57.8
36 1,2,4-Trichlorobenzene	180	5.698	5.698	(0.991)	232885	60.0000	59.3
37 Naphthalene	128	5.775	5.775	(1.004)	688208	60.0000	58.2
38 4-Chloroaniline	127	5.898	5.898	(1.026)	288681	60.0000	56.7
39 Hexachlorobutadiene (ccc)	225	6.051	6.051	(1.052)	155959	60.0000	55.0
40 4-Chloro-3-methylphenol (ccc)	107	6.633	6.633	(1.153)	196018	60.0000	52.9
41 2-Methylnaphthalene	142	6.774	6.774	(1.178)	460391	60.0000	61.0
42 Hexachlorocyclopentadiene####	237	7.167	7.167	(0.852)	151441	60.0000	47.1
43 2,4,6-Trichlorophenol (ccc)	196	7.326	7.326	(0.871)	165309	60.0000	56.5
44 2,4,5-Trichlorphenol	196	7.396	7.396	(0.879)	188180	60.0000	58.1
45 2-Chloronaphthalene	162	7.596	7.596	(0.903)	476903	60.0000	55.4
46 2-Nitroaniline	65	7.831	7.831	(0.931)	131201	60.0000	47.8
47 Acenaphthylene	152	8.207	8.207	(0.976)	780322	60.0000	57.7
48 Dimethyl phthalate	163	8.172	8.172	(0.971)	535920	60.0000	54.1
49 2,6-Dinitrotoluene	165	8.242	8.242	(0.980)	121798	60.0000	57.5
50 3-Nitroaniline	138	8.407	8.407	(0.999)	142266	60.0000	56.1
51 Acenaphthene (ccc)	153	8.454	8.454	(1.005)	470699	60.0000	58.0
52 2,4-Dinitrophenol ##spcc##	184	8.536	8.536	(1.015)	58101	60.0000	58.4
53 Dibenzofuran	168	8.648	8.648	(1.028)	694068	60.0000	57.3
54 4-Nitrophenol ##spcc##	109	8.677	8.677	(1.031)	67428	60.0000	42.6
55 2,4-Dinitrotoluene	165	8.718	8.718	(1.036)	166594	60.0000	58.4
56 Fluorene	166	9.036	9.036	(1.074)	592868	60.0000	58.7
57 4-Chlorophenyl phenyl ether	204	9.059	9.059	(1.077)	291044	60.0000	58.0
58 Diethyl phthalate	149	9.024	9.024	(1.073)	518104	60.0000	53.1
59 4-Nitroaniline	138	9.112	9.112	(1.083)	141772	60.0000	55.3

Data File: /var/chem/gcms/md.i/D042806.b/ccdd284.d
Report Date: 28-Apr-2006 13:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
60 4,6-Dinitro-2-methylphenol	198	9.159	9.159	(0.923)	103433	60.0000	66.6
61 N-Ndpa / diphenylamine (ccc)	169	9.188	9.188	(0.926)	415730	60.0000	64.3
62 1,2-Diphenylhydrazine/azobnz	77	9.212	9.212	(0.928)	499196	60.0000	49.8
63 4-Bromophenyl phenyl ether	248	9.535	9.535	(0.961)	152137	60.0000	55.3
64 Hexachlorobenzene	284	9.658	9.658	(0.973)	176579	60.0000	51.4
65 Pentachlorophenol (ccc)	266	9.829	9.829	(0.991)	118093	60.0000	53.1
66 Phenanthrene	178	9.946	9.946	(1.002)	888295	60.0000	59.6
67 Anthracene	178	9.982	9.982	(1.006)	887531	60.0000	59.6
68 Carbazole	167	10.134	10.134	(1.021)	811578	60.0000	57.8
69 Di-n-butyl phthalate	149	10.469	10.469	(1.055)	883000	60.0000	55.5
70 Fluoranthene (ccc)	202	10.910	10.910	(1.099)	1025112	60.0000	63.7
71 Pyrene	202	11.080	11.080	(0.923)	1069139	60.0000	63.0
72 Butyl benzyl phthalate	149	11.580	11.580	(0.965)	419372	60.0000	55.1
73 Benzo(a)Anthracene	228	11.991	11.991	(0.999)	983424	60.0000	56.6
74 3,3'-Dichlorobenzidine	252	11.973	11.973	(0.998)	366146	60.0000	55.7
75 Chrysene	228	12.026	12.026	(1.002)	991613	60.0000	59.6
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.003)	547370	60.0000	56.6
77 Di-n-octyl phthalate (ccc)	149	12.585	12.585	(0.951)	929016	60.0000	54.4
78 Benzo(b)fluoranthene	252	12.925	12.925	(0.977)	1009638	60.0000	56.2
79 Benzo(k)fluoranthene	252	12.943	12.943	(0.978)	1042079	60.0000	56.8
80 Benzo(a)pyrene (ccc)	252	13.190	13.190	(0.997)	849543	60.0000	56.7
81 Indeno(1,2,3-cd)pyrene	276	14.241	14.241	(1.076)	929760	60.0000	56.0
82 Dibenz(a,h)anthracene	278	14.247	14.247	(1.077)	781189	60.0000	56.2
83 Benzo(g,h,i)perylene	276	14.518	14.518	(1.097)	791575	60.0000	56.4

Data File: /var/chem/gcms/md.i/D042806.b/ccdd284.d
Date : 28-APR-2006 09:30
Client ID: STD060
Sample Info: CCDD284,,2,4,,STD060,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/a9dd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: a9dd284.d
Analysis Type: SOIL
Lab Sample ID: A9DD284
Method: /var/chem/gcms/md.i/D042806.b/8270a9.m

Injection Date: 28-APR-2006 09:53
Init. Cal. Date(s): 13-FEB-2006 27-APR-2006
Init. Cal. Times: 09:22 15:00
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF60	CCAL RRF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
176 2-Picoline	1.18701	1.22090	1.22090	0.000	-2.85487	30.00000	Averaged	
86 N-nitrosomethylethylamine	0.76109	0.65645	0.65645	0.000	13.74888	30.00000	Averaged	
87 Methyl methanosulfonate	0.27859	0.37544	0.37544	0.000	-34.76182	30.00000	Averaged	<-
88 N-nitrosodiethylamine	0.55970	0.57285	0.57285	0.000	-2.34960	30.00000	Averaged	
89 Ethyl methanosulfonate	0.84541	0.89840	0.89840	0.000	-6.26885	30.00000	Averaged	
90 Pentachloroethane	0.49702	0.57193	0.57193	0.000	-15.07263	30.00000	Averaged	
91 acetophenone	1.68023	1.74147	1.74147	0.000	-3.64461	30.00000	Averaged	
92 m-cresol	1.23168	1.20542	1.20542	0.000	2.13235	30.00000	Averaged	
93 n-nitrosopyrrolidine	0.64920	0.64049	0.64049	0.000	1.34244	30.00000	Averaged	
94 n-nitrosomorpholine	0.90626	0.80069	0.80069	0.000	11.64837	30.00000	Averaged	
95 o-toluidine	1.67143	1.95656	1.95656	0.000	-17.05899	30.00000	Averaged	
96 n-nitrosopiperidine	0.29139	0.26083	0.26083	0.000	10.48779	30.00000	Averaged	
97 2,6-dichlorophenol	0.30880	0.33675	0.33675	0.000	-9.04988	30.00000	Averaged	
98 hexachloropropene	0.25380	0.29216	0.29216	0.000	-15.11568	30.00000	Averaged	
99 N-nitro-di-n-butylamine	0.21683	0.23968	0.23968	0.000	-10.53808	30.00000	Averaged	
100 Isosafrole	0.27552	0.33452	0.33452	0.000	-21.41089	30.00000	Averaged	
101 1,2,4,5-tetrachlorobenzene	0.34229	0.43560	0.43560	0.000	-27.26086	30.00000	Averaged	
102 safrole	0.51012	0.48414	0.48414	0.000	5.09357	30.00000	Averaged	
103 1-chloronaphthalene	1.04374	1.05186	1.05186	0.000	-0.77840	30.00000	Averaged	
104 m-dinitrobenzene	0.16656	0.17594	0.17594	0.000	-5.62828	30.00000	Averaged	
105 pentachlorobenzene	0.51619	0.53381	0.53381	0.000	-3.41472	30.00000	Averaged	
106 1-naphthylamine	1.09666	1.18426	1.18426	0.000	-7.98821	30.00000	Averaged	
107 2-naphthylamine	1.07337	1.17401	1.17401	0.000	-9.37660	30.00000	Averaged	
108 2,3,4,6-tetrachlorophenol	0.32180	0.33357	0.33357	0.000	-3.65745	30.00000	Averaged	
109 5-nitro-o-toluidine	0.34603	0.37147	0.37147	0.000	-7.35132	30.00000	Averaged	
110 diphenylamine	1.04687	1.22156	1.22156	0.000	-16.68705	30.00000	Averaged	
111 1,3,5-trinitrobenzene	66.01405	60.00000	0.13501	0.000	-10.02342	30.00000	Linear	
112 phenacetin	0.36008	0.34112	0.34112	0.000	5.26354	30.00000	Averaged	
113 4-aminobiphenyl	0.77060	0.90668	0.90668	0.000	-17.65846	30.00000	Averaged	
114 pentachloronitrobenzene	0.10088	0.09388	0.09388	0.000	6.93554	30.00000	Averaged	
115 Dinoseb	0.12406	0.17362	0.17362	0.000	-39.94767	30.00000	Averaged	<-
178 N-Nitroquinoline-n-oxide	++++	0.02752	0.02752	0.000	++++	30.00000	Averaged	<-
177 Methapyrilene HCL	++++	0.31597	0.31597	0.000	++++	30.00000	Averaged	<- NA
84 Benzidine	0.81978	0.85830	0.85830	0.000	-4.69878	30.00000	Averaged	
116 p-(dimethylamino)azobenzene	0.30098	0.30224	0.30224	0.000	-0.41569	30.00000	Averaged	

KRM 4/28/06

Data File: /var/chem/gcms/md.i/D042806.b/a9dd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: a9dd284.d
Analysis Type: SOIL
Lab Sample ID: A9DD284
Method: /var/chem/gcms/md.i/D042806.b/8270a9.m

Injection Date: 28-APR-2006 09:53
Init. Cal. Date(s): 13-FEB-2006 27-APR-2006
Init. Cal. Times: 09:22 15:00
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF60	CCAL RRF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
117 o-tolidine	0.83614	0.89036	0.89036	0.000	-6.48459	30.00000	Averaged
119 7,12-dimethylbenz(a)anthrac	0.55614	0.59036	0.59036	0.000	-6.15389	30.00000	Averaged
118 2-acetylaminofluorene	0.52729	0.52288	0.52288	0.000	0.83676	30.00000	Averaged
120 3-methylcholanthrene	0.62384	0.65906	0.65906	0.000	-5.64507	30.00000	Averaged

Data File: /var/chem/gcms/md.i/D042806.b/a9dd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/a9dd284.d
Lab Smp Id: A9DD284 Client Smp ID: STD060
Inj Date : 28-APR-2006 09:53
Operator : 60841 Inst ID: md.i
Smp Info : A9DD284,,2,4,,STD060,
Misc Info : D042806,8270a9,appdx9.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 28-Apr-2006 13:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: appdx9.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

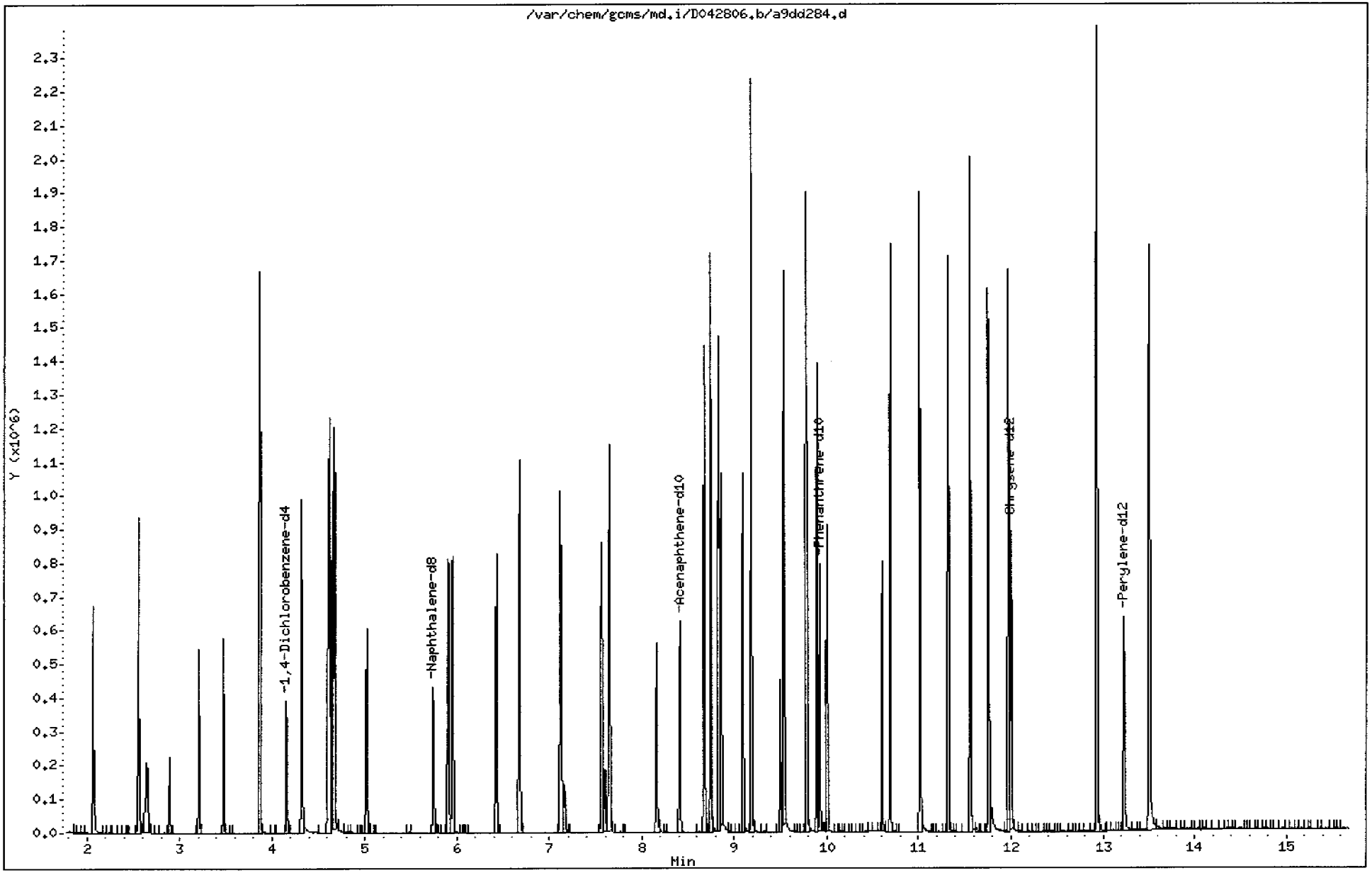
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	58931	20.0000	
* 2 Naphthalene-d8	136	5.745	5.745	(1.000)	207538	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	147999	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	259590	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	268756	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	255525	20.0000	
176 2-Picoline	93	2.555	2.555	(0.614)	215848	60.0000	61.7
86 N-nitrosomethylethylamine	42	2.649	2.649	(0.637)	116056	60.0000	51.8
87 Methyl methanosulfonate	80	2.890	2.890	(0.695)	66375	60.0000	80.8
88 N-nitrosodiethylamine	102	3.213	3.213	(0.773)	101276	60.0000	61.4
89 Ethyl methanosulfonate	79	3.477	3.477	(0.836)	158832	60.0000	63.8
90 Pentachloroethane	167	3.877	3.877	(0.932)	101114	60.0000	69.0
91 acetophenone	105	4.623	4.623	(1.112)	307881	60.0000	62.2
92 m-cresol	108	4.652	4.652	(1.119)	213111	60.0000	58.7
93 n-nitrosopyrrolidine	100	4.605	4.605	(1.107)	113234	60.0000	59.2

Data File: /var/chem/gcms/md.i/D042806.b/a9dd284.d
Report Date: 28-Apr-2006 13:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
94 n-nitrosomorpholine	56	4.629	4.629	(1.113)	141557	60.0000	53.0
95 o-toluidine	106	4.676	4.676	(1.124)	345907	60.0000	70.2
96 n-nitrosopiperidine	42	5.023	5.023	(0.874)	162395	60.0000	53.7
97 2,6-dichlorophenol	162	5.910	5.910	(1.029)	209663	60.0000	65.4
98 hexachloropropene	213	5.957	5.957	(1.037)	181905	60.0000	69.1
99 N-nitro-di-n-butylamine	84	6.427	6.427	(1.119)	149229	60.0000	66.3
100 Isosafrole	162	6.679	6.679	(1.163)	208275	60.0000	72.8
101 1,2,4,5-tetrachlorobenzene	216	7.120	7.120	(1.239)	271212	60.0000	76.4
102 safrole	162	7.555	7.555	(0.898)	214955	60.0000	56.9
103 1-chloronaphthalene	162	7.649	7.649	(0.909)	467024	60.0000	60.5
104 m-dinitrobenzene	76	8.160	8.160	(0.970)	78116	60.0000	63.4
105 pentachlorobenzene	250	8.677	8.677	(1.031)	237011	60.0000	62.0
106 1-naphthylamine	143	8.748	8.748	(1.040)	525810	60.0000	64.8
107 2-naphthylamine	143	8.836	8.836	(1.050)	521259	60.0000	65.6
108 2,3,4,6-tetrachlorophenol	232	8.859	8.859	(1.053)	148102	60.0000	62.2
109 5-nitro-o-toluidine	152	9.094	9.094	(1.081)	164930	60.0000	64.4
110 diphenylamine	169	9.188	9.188	(1.092)	542370	60.0000	70.0
111 1,3,5-trinitrobenzene	75	9.500	9.500	(0.957)	105141	60.0000	66.0
112 phenacetin	108	9.541	9.541	(0.962)	265656	60.0000	56.8
113 4-aminobiphenyl	169	9.782	9.782	(0.986)	706094	60.0000	70.6
114 pentachloronitrobenzene	237	9.893	9.893	(0.997)	73113	60.0000	55.8
115 Dinoseb	211	9.999	9.999	(1.008)	135210	60.0000	84.0
84 Benzidine	184	11.016	11.016	(1.110)	668418	60.0000	62.8
116 p-(dimethylamino)azobenzene	120	11.321	11.321	(1.141)	235371	60.0000	60.2
117 o-tolidine	212	11.556	11.556	(1.165)	693384	60.0000	63.9
119 7,12-dimethylbenz(a)anthracen	256	12.931	12.931	(1.077)	475993	60.0000	63.7
118 2-acetylaminofluorene	181	11.756	11.756	(0.979)	421580	60.0000	59.5
120 3-methylcholanthrene	268	13.507	13.507	(1.021)	505220	60.0000	63.4

Data File: /var/chem/gcms/md.i/D042806.b/a9dd284.d
Date : 28-APR-2006 09:53
Client ID: STD060
Sample Info: A9DD284,,2,4,,STD060,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/bbdd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: bbdd284.d
Analysis Type: SOIL
Lab Sample ID: BBDD284
Method: /var/chem/gcms/md.i/D042806.b/8270a9.m

Injection Date: 28-APR-2006 10:17
Init. Cal. Date(s): 13-FEB-2006 27-APR-2006
Init. Cal. Times: 09:22 15:00
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF60	CCAL RRF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
184 Benzaldehyde	0.91346	0.94318	0.94318	0.000	-3.25387	50.00000	Averaged
185 Benzonitrile	2.04543	2.13715	2.13715	0.000	-4.48418	50.00000	Averaged

Data File: /var/chem/gcms/md.i/D042806.b/bbdd284.d
Report Date: 28-Apr-2006 13:17

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/bbdd284.d
Lab Smp Id: BBDD284 Client Smp ID: STD060
Inj Date : 28-APR-2006 10:17
Operator : 60841 Inst ID: md.i
Smp Info : BBDD284,,2,4,,STD060,
Misc Info : D042806,8270a9,benz.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 28-Apr-2006 13:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: benz.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

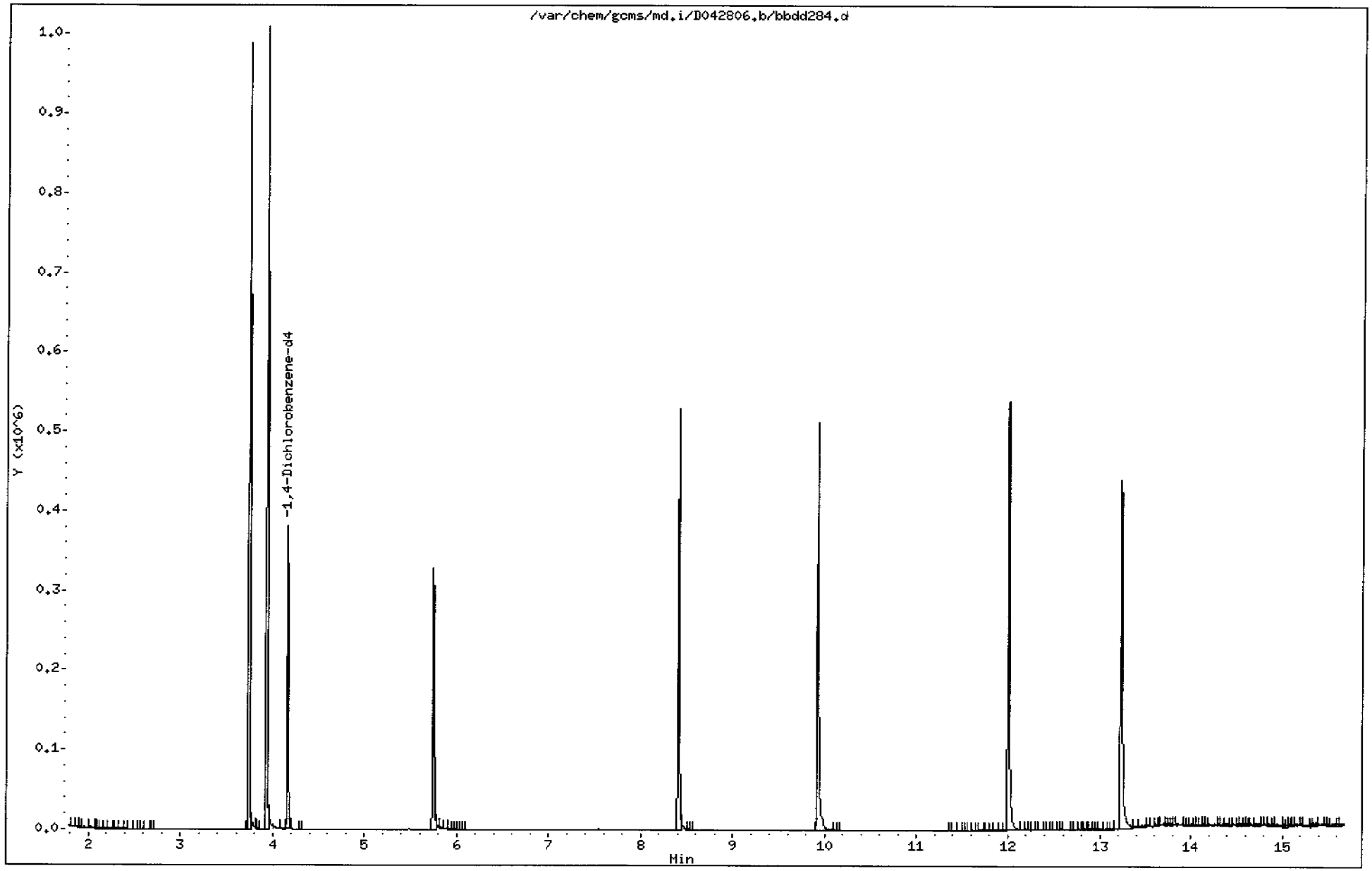
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/uL)	AMOUNTS ON-COL (ng/uL)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	59829	20.0000	
184 Benzaldehyde	105	3.742	3.742	(0.900)	169289	60.0000	62.0
185 Benzonitrile	103	3.935	3.935	(0.946)	383591	60.0000	62.7

Data File: /var/chem/gcms/md.i/D042806.b/bbdd284.d
Date : 28-APR-2006 10:17
Client ID: STD060
Sample Info: BBDD284,,2,4,,STD060,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Raw QC Data

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-185

Prep Date.....: 04/06/06
Analysis Date..: 04/28/06 **Prep Batch #...:** 6096185
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug	SW846 8270C
Acenaphthylene	ND	10	ug	SW846 8270C
Acetophenone	ND	10	ug	SW846 8270C
Aniline	ND	20	ug	SW846 8270C
Anthracene	ND	10	ug	SW846 8270C
Benzaldehyde	ND	10	ug	SW846 8270C
Benzidine	ND	100	ug	SW846 8270C
Benzo(a)anthracene	ND	10	ug	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug	SW846 8270C
Benzoic acid	ND	100	ug	SW846 8270C
Benzonitrile	ND	10	ug	SW846 8270C
Benzo(ghi)perylene	ND	10	ug	SW846 8270C
Benzo(a)pyrene	ND	10	ug	SW846 8270C
Benzyl alcohol	ND	100	ug	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug	SW846 8270C
Butyl benzyl phthalate	ND	10	ug	SW846 8270C
Carbazole	ND	10	ug	SW846 8270C
4-Chloroaniline	ND	10	ug	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug	SW846 8270C
2-Chloronaphthalene	ND	10	ug	SW846 8270C
2-Chlorophenol	ND	10	ug	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug	SW846 8270C
Chrysene	ND	10	ug	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug	SW846 8270C
Dibenzofuran	ND	10	ug	SW846 8270C
Di-n-butyl phthalate	ND	10	ug	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug	SW846 8270C
2,4-Dichlorophenol	ND	10	ug	SW846 8270C
Diethyl phthalate	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	10	ug	SW846 8270C
Dimethyl phthalate	ND	10	ug	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug	SW846 8270C
2,4-Dinitrophenol	ND	50	ug	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug	SW846 8270C
Di-n-octyl phthalate	ND	10	ug	SW846 8270C
Diphenylamine	ND	10	ug	SW846 8270C
1,2-Diphenylhydrazine	ND	10	ug	SW846 8270C
Fluoranthene	ND	10	ug	SW846 8270C
Fluorene	ND	10	ug	SW846 8270C
Hexachlorobenzene	ND	10	ug	SW846 8270C
Hexachlorobutadiene	ND	10	ug	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug	SW846 8270C
Hexachloroethane	ND	10	ug	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug	SW846 8270C
Isophorone	ND	10	ug	SW846 8270C
2-Methylnaphthalene	ND	10	ug	SW846 8270C
2-Methylphenol	ND	10	ug	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug	SW846 8270C
Naphthalene	ND	10	ug	SW846 8270C
2-Nitroaniline	ND	50	ug	SW846 8270C
3-Nitroaniline	ND	50	ug	SW846 8270C
4-Nitroaniline	ND	50	ug	SW846 8270C
Nitrobenzene	ND	10	ug	SW846 8270C
2-Nitrophenol	ND	10	ug	SW846 8270C
4-Nitrophenol	ND	50	ug	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug	SW846 8270C
Pentachlorobenzene	ND	10	ug	SW846 8270C
Pentachloronitrobenzene	ND	10	ug	SW846 8270C
Pentachlorophenol	ND	50	ug	SW846 8270C
Phenanthrene	ND	10	ug	SW846 8270C
Phenol	ND	10	ug	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug	SW846 8270C
Pyrene	ND	10	ug	SW846 8270C
Pyridine	ND	20	ug	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(19 - 100)
Phenol-d5	54	(15 - 124)
Nitrobenzene-d5	52	(35 - 122)
2-Fluorobiphenyl	65	(34 - 115)
2,4,6-Tribromophenol	56	(33 - 130)
Terphenyl-d14	72	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL Knoxville - ACS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: H6D060000-185 B **Work Order #:** H2PJ21AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Report Date: 01-May-2006 13:40

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Lab Smp Id: H2PJ21AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 28-APR-2006 14:10
Operator : 60841 Inst ID: md.i
Smp Info : H2PJ21AA,,3,,,BLK,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:40 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 14 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	68641	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	238022	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	164599	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	290133	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	309866	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	289469	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	178938	37.2769	37.3
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	234644	40.5235	40.5
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	139427	25.9864	26.0
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	353608	32.5870	32.6
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	77540	42.1479	42.1
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	545214	36.1752	36.2
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	4019	1.24495	~~1.24~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Report Date: 01-May-2006 13:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
84 Benzidine	184	11.204	11.016	(1.129)	6658	0.55988	~~0.560~~
184 Benzaldehyde	105	3.971	3.742	(0.955)	3722	1.18734	~~1.19~~
185 Benzonitrile	103	3.971	3.935	(0.955)	9628	1.37161	~~1.37~~

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Report Date: 01-May-2006 13:40

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pj21aa.d
Lab Smp Id: H2PJ21AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Sample Type: AIR
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	68641	11.58
2 Naphthalene-d8	201763	100882	403526	238022	17.97
3 Acenaphthene-d10	143273	71636	286546	164599	14.88
4 Phenanthrene-d10	247023	123512	494046	290133	17.45
5 Chrysene-d12	265356	132678	530712	309866	16.77
6 Perylene-d12	233795	116898	467590	289469	23.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Report Date: 01-May-2006 13:40

STL Knoxville

RECOVERY REPORT

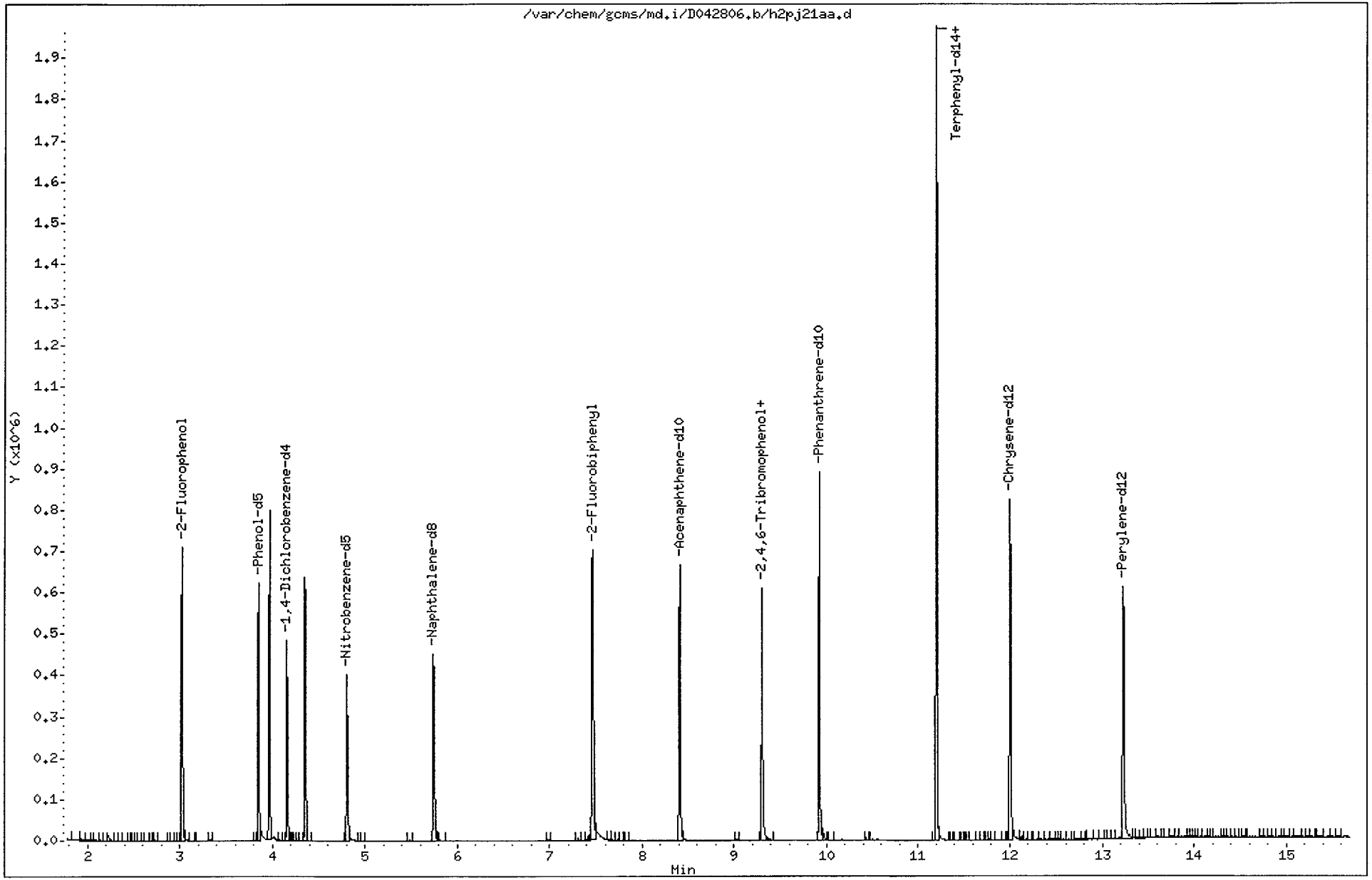
Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PJ21AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB BLANK
Operator: 60841
SampleType: METHOD BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	37.3	49.70	19-100
$ 8 Phenol-d5	75.0	40.5	54.03	15-124
$ 9 Nitrobenzene-d5	50.0	26.0	51.97	42-104
$ 10 2-Fluorobiphenyl	50.0	32.6	65.17	51-103
$ 11 2,4,6-Tribromophen	75.0	42.1	56.20	33-130
$ 12 Terphenyl-d14	50.0	36.2	72.35	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Date : 28-APR-2006 14:10
Client ID: INTRA-LAB BLANK
Sample Info: H2PJ21AA,,3,,,BLK,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d

Date : 28-APR-2006 14:10

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ21AA,,3,,,BLK,

Volume Injected (uL): 1.0

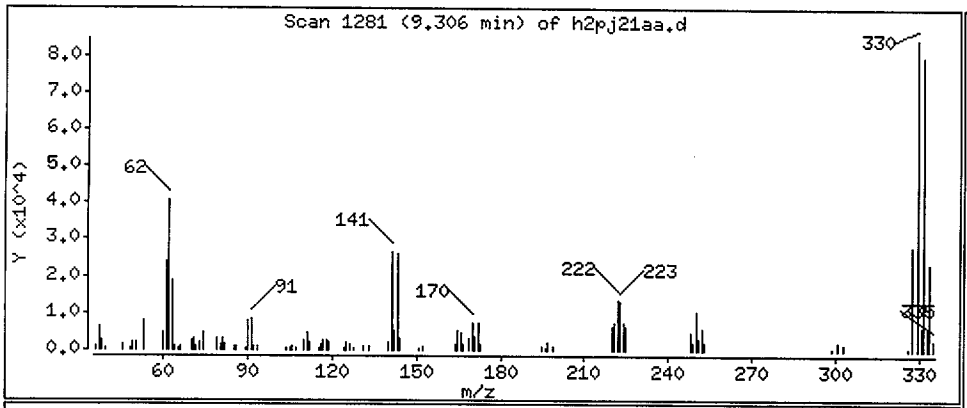
Operator: 60841

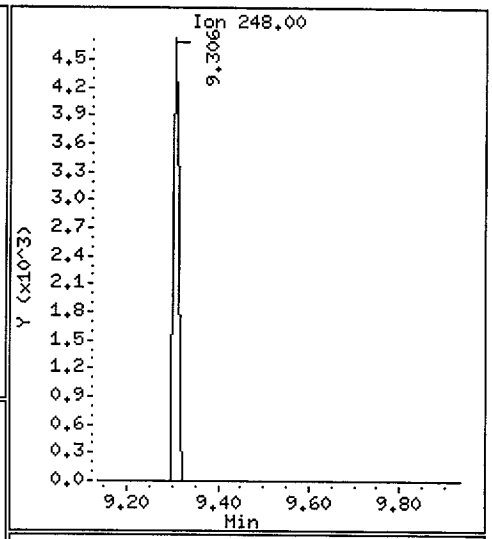
Column phase: ZB-5

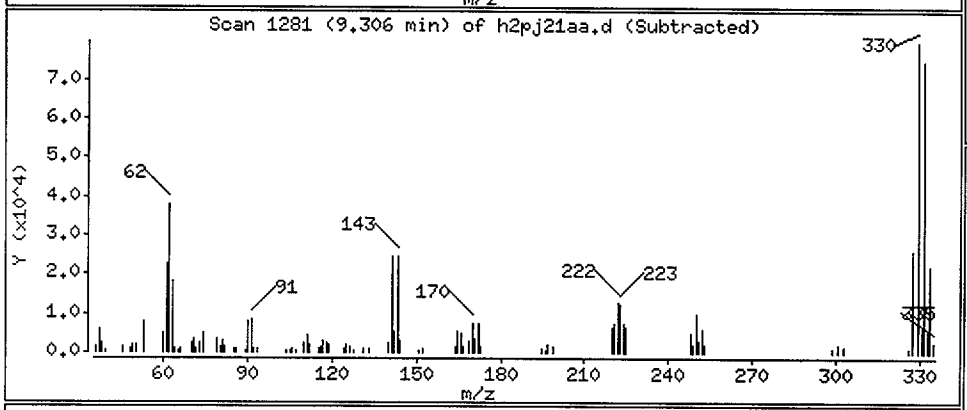
Column diameter: 0.25

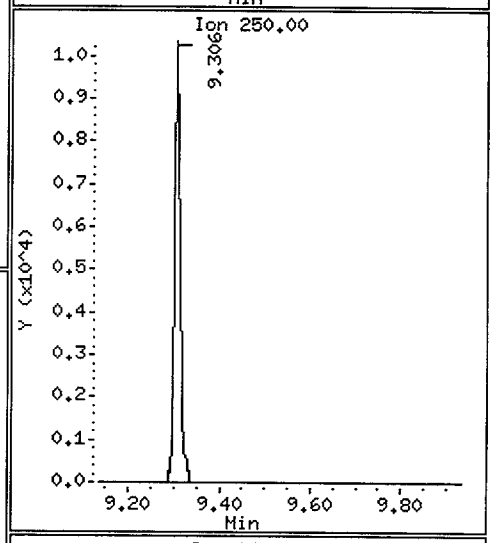
63 4-Bromophenyl phenyl ether

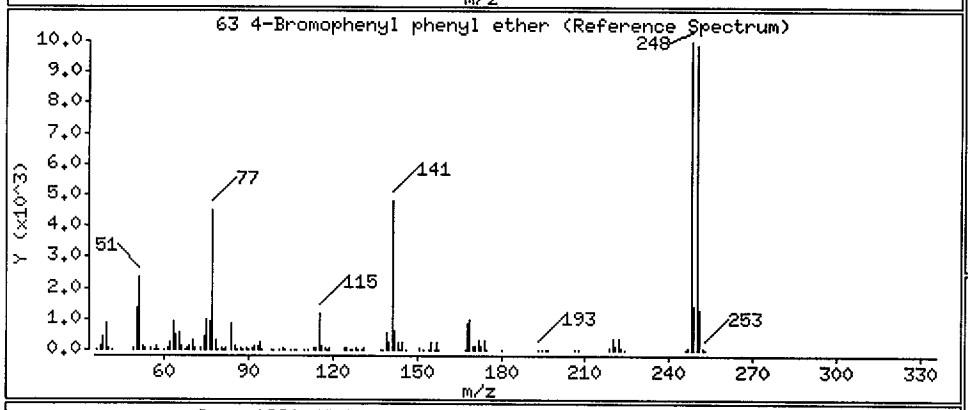
Concentration: 1.24 ug

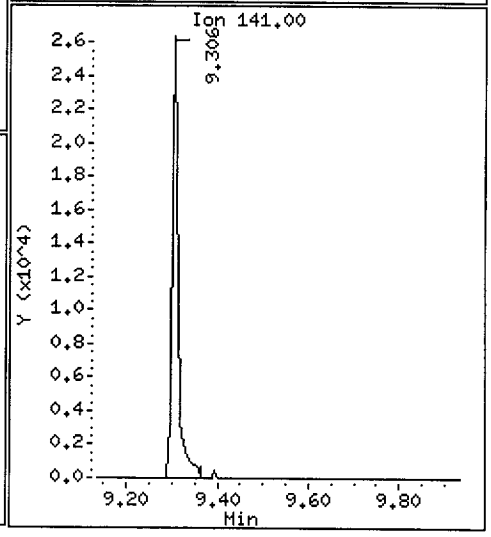


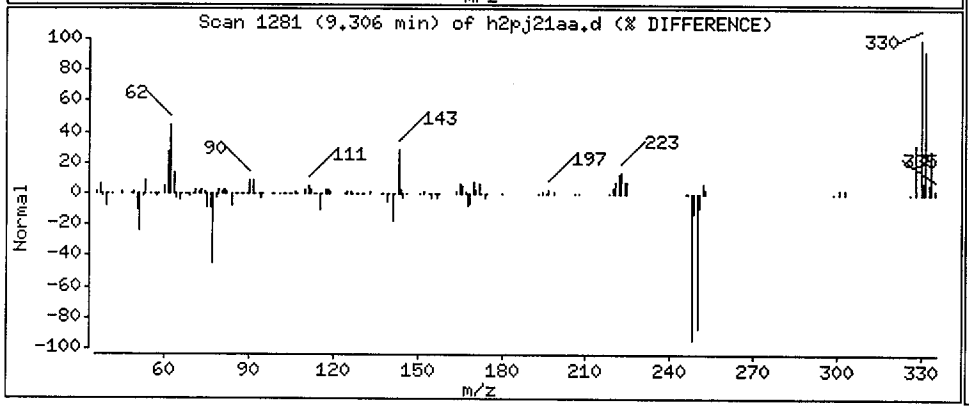












Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d

Date : 28-APR-2006 14:10

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ21AA,,3,,,BLK,

Volume Injected (uL): 1.0

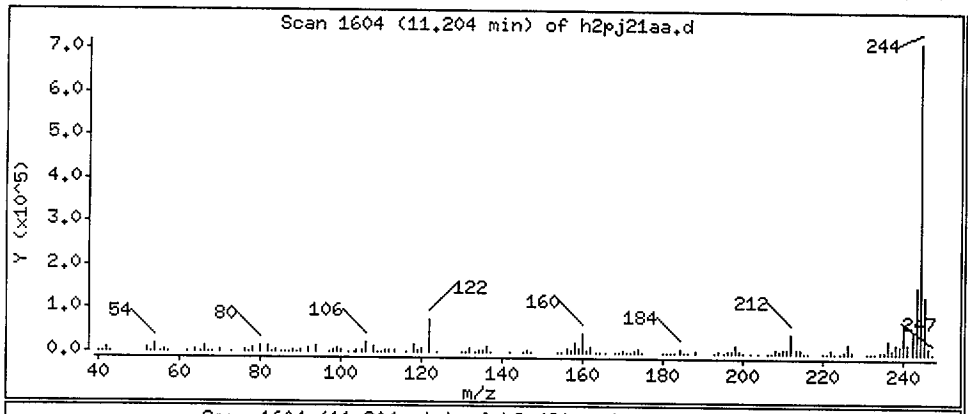
Operator: 60841

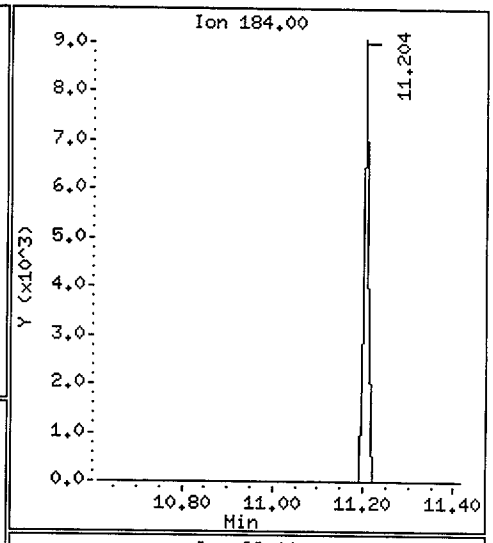
Column phase: ZB-5

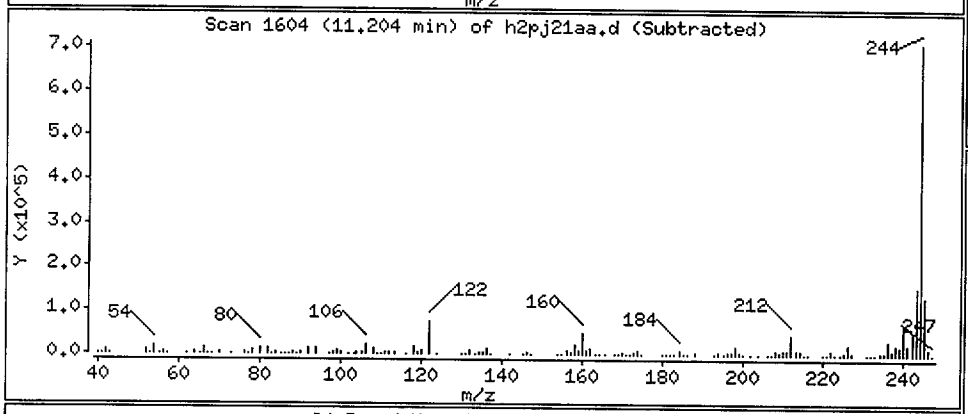
Column diameter: 0.25

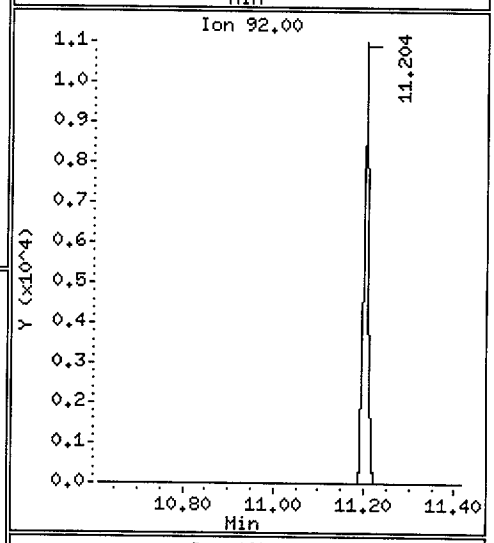
84 Benzidine

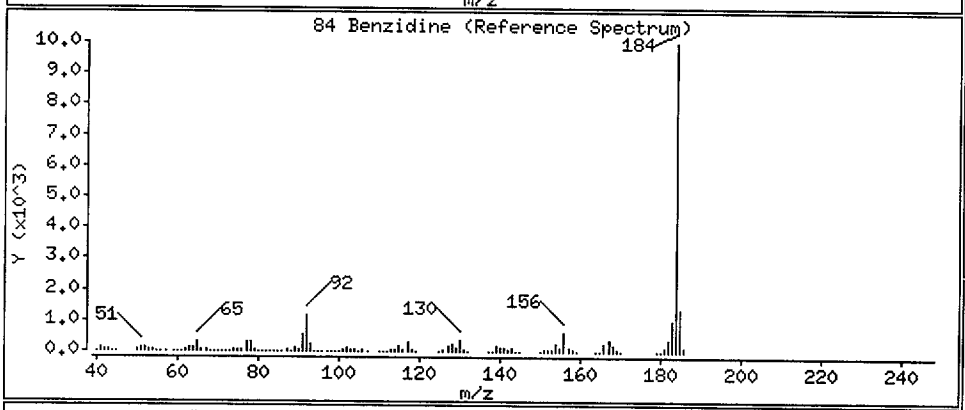
Concentration: 0.560 ug

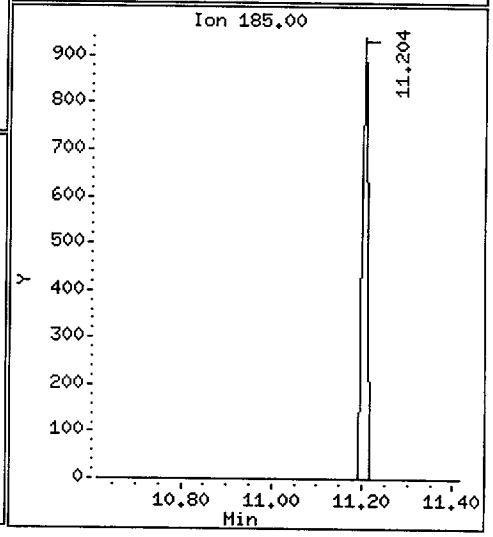


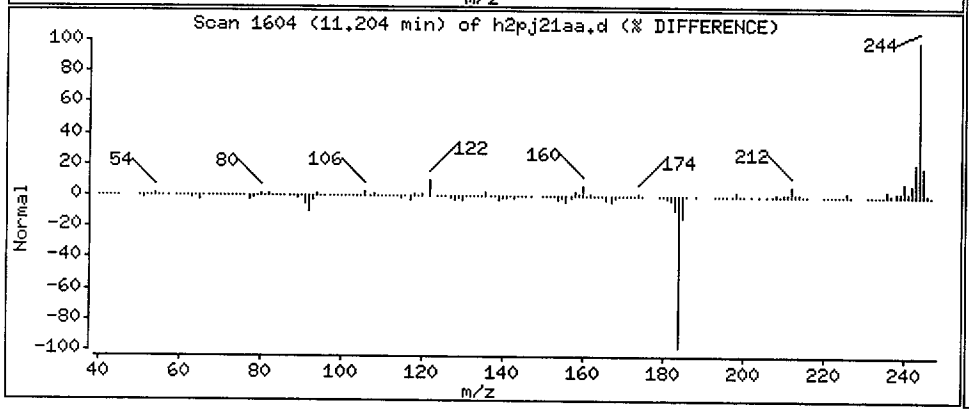












Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d

Date : 28-APR-2006 14:10

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ21AA,,3,,,BLK,

Volume Injected (uL): 1.0

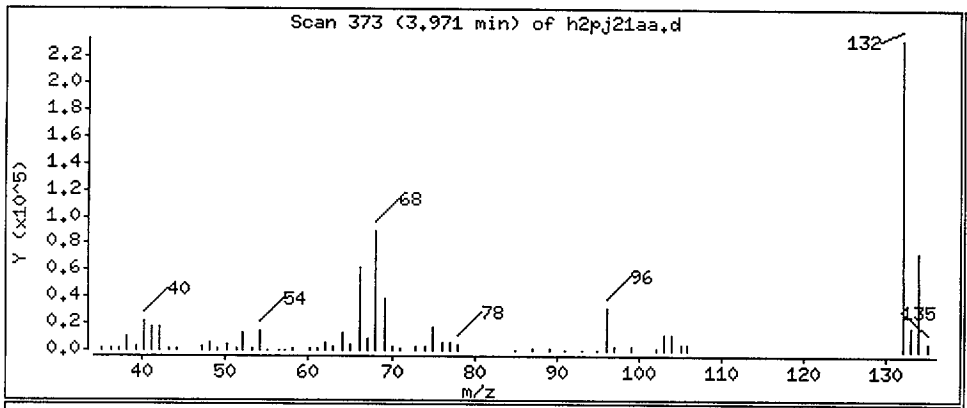
Operator: 60841

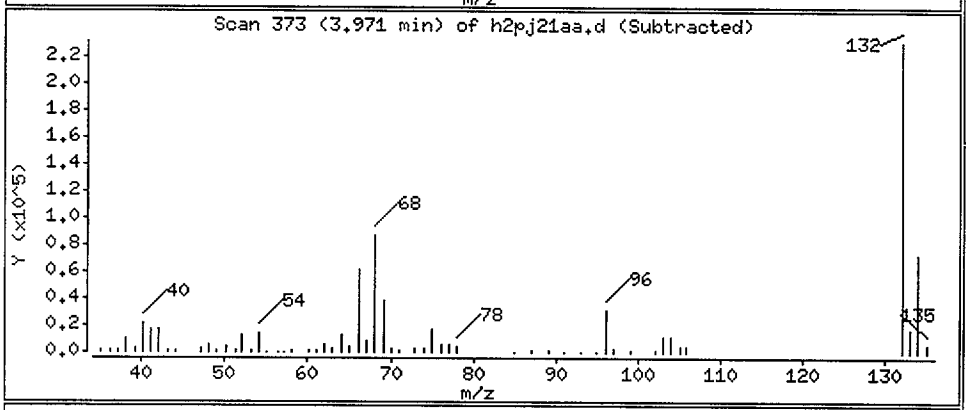
Column phase: ZB-5

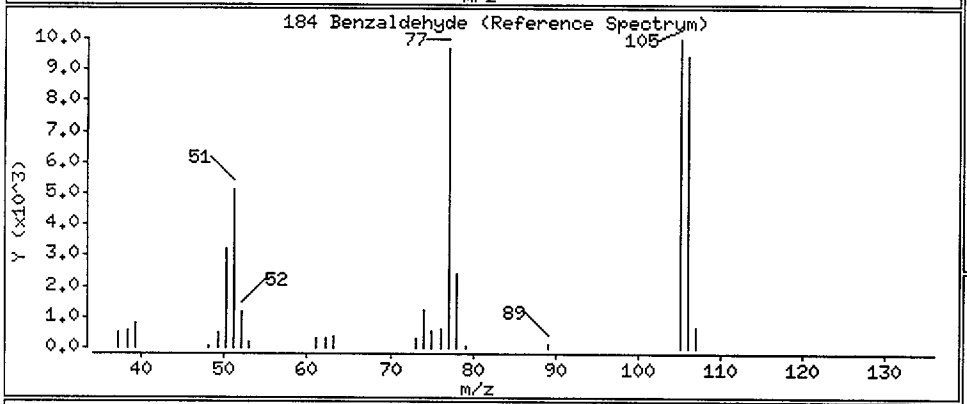
Column diameter: 0.25

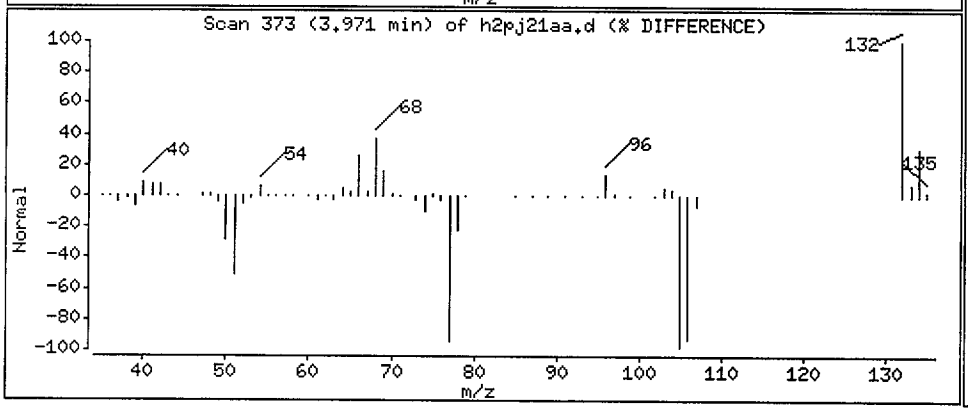
184 Benzaldehyde

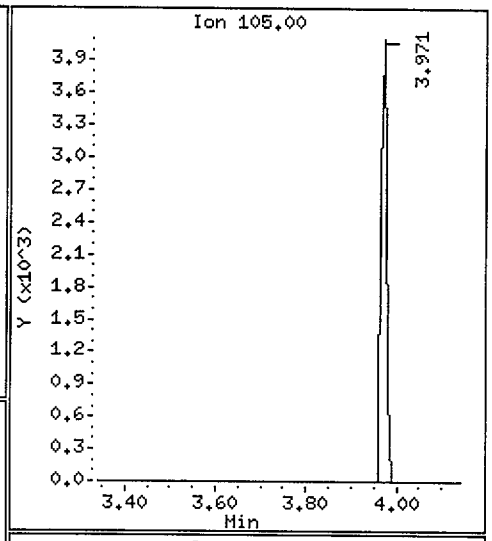
Concentration: 1.19 ug

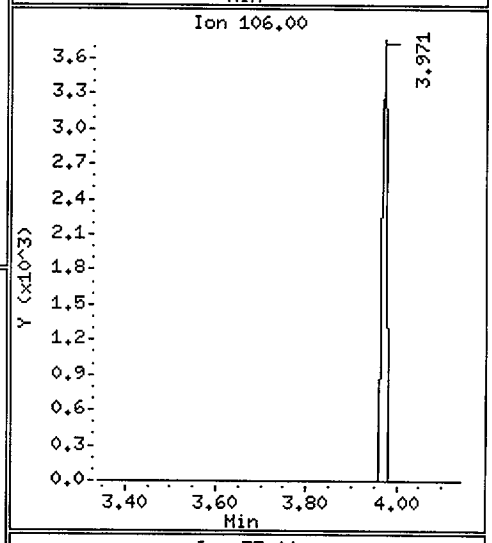


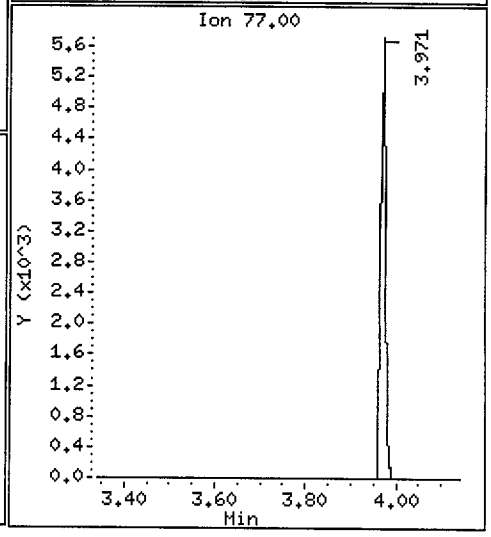












Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d

Date : 28-APR-2006 14:10

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ21AA,,3,,,BLK,

Volume Injected (uL): 1.0

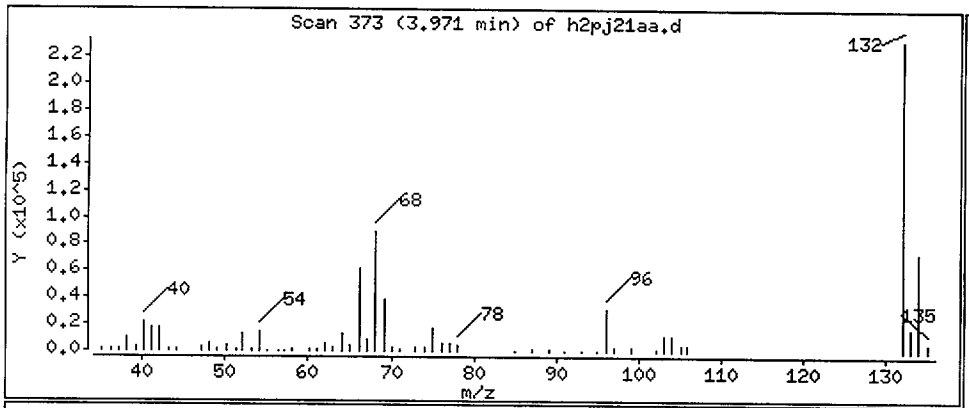
Operator: 60841

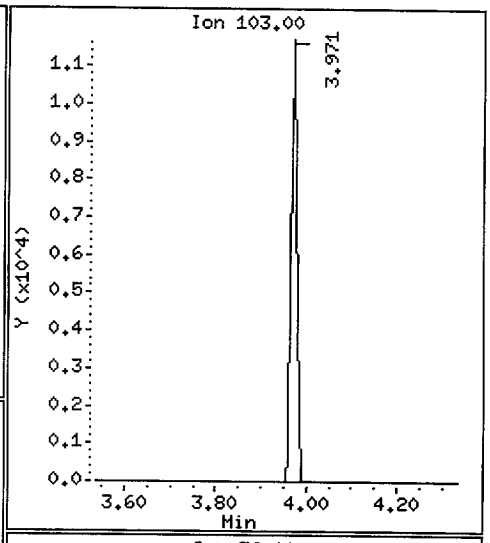
Column phase: ZB-5

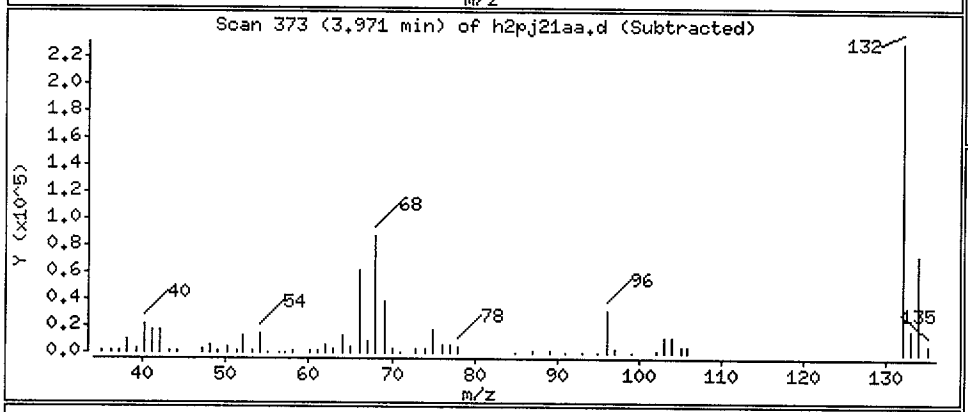
Column diameter: 0.25

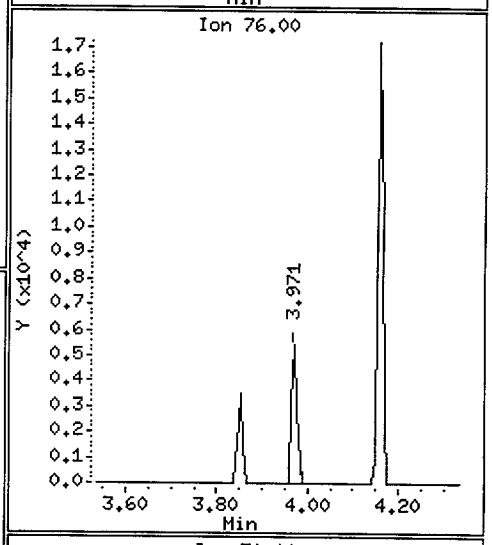
185 Benzonitrile

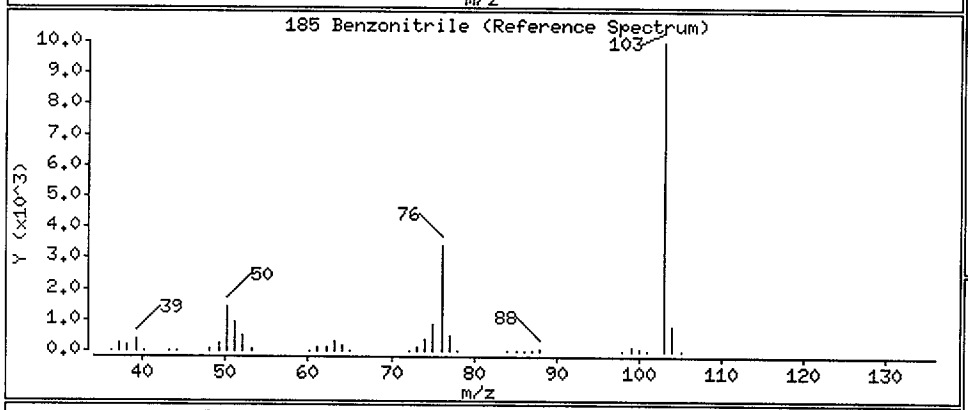
Concentration: 1.37 ug

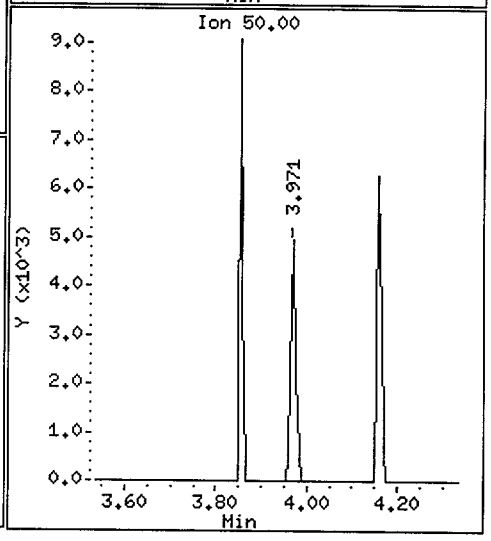


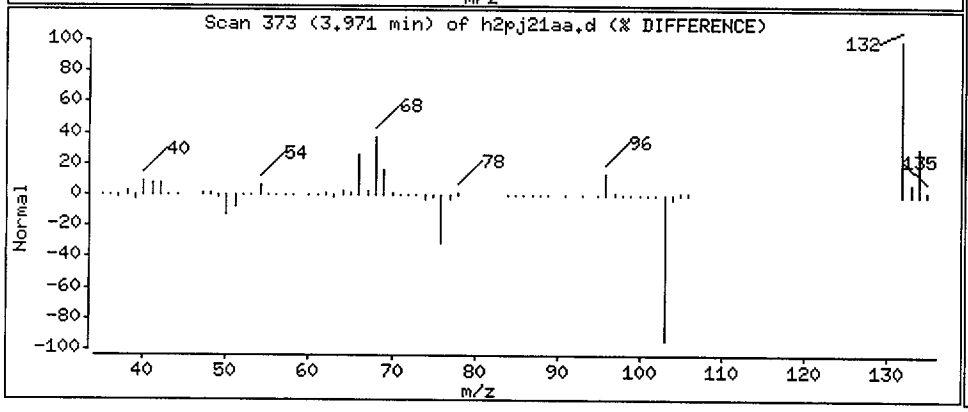












Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Report Date: 01-May-2006 13:57

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj21aa.d
Lab Smp Id: H2PJ21AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 28-APR-2006 14:10
Operator : 60841 Inst ID: md.i
Smp Info : H2PJ21AA,,3,,,BLK,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 13:56 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 14 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	482946	20.000

	CONCENTRATIONS				QUANT			
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Chloro-6-fluoropyrazine					CAS #: 1000146-10-7		
3.971	795697	32.9518000	33.0	25	NIST05.1	13697	1
1,2-Dichlorobenzene-D4					CAS #: 2199-69-1		
4.353	637750	26.4108203	26.4	94	NIST05.1	23149	1

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d

Date : 28-APR-2006 14:10

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ21AA,,3,,,BLK,

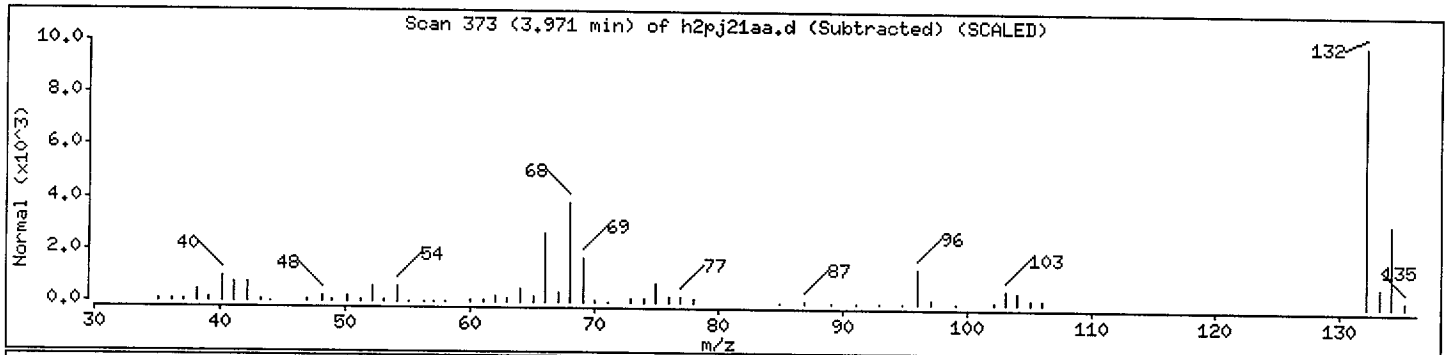
Volume Injected (uL): 1.0

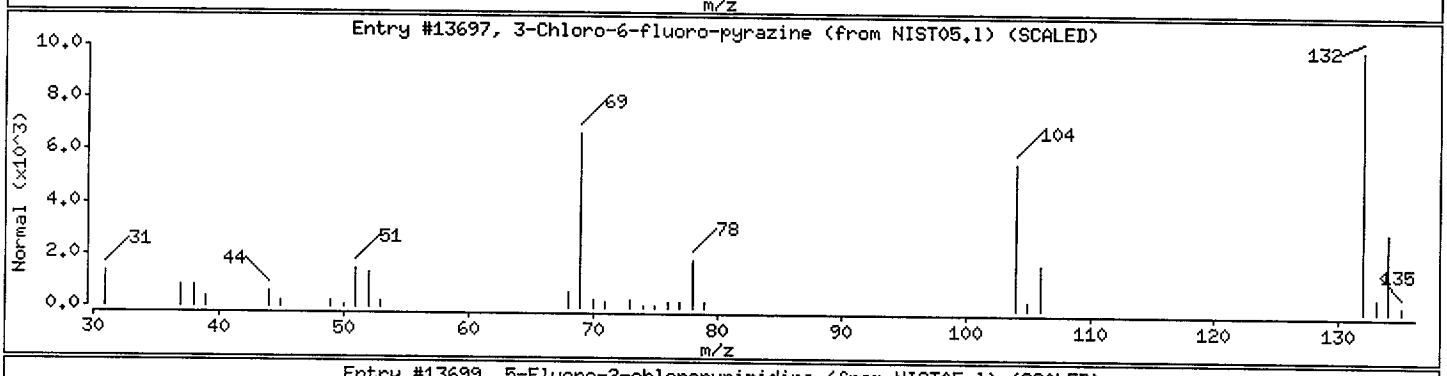
Operator: 60841

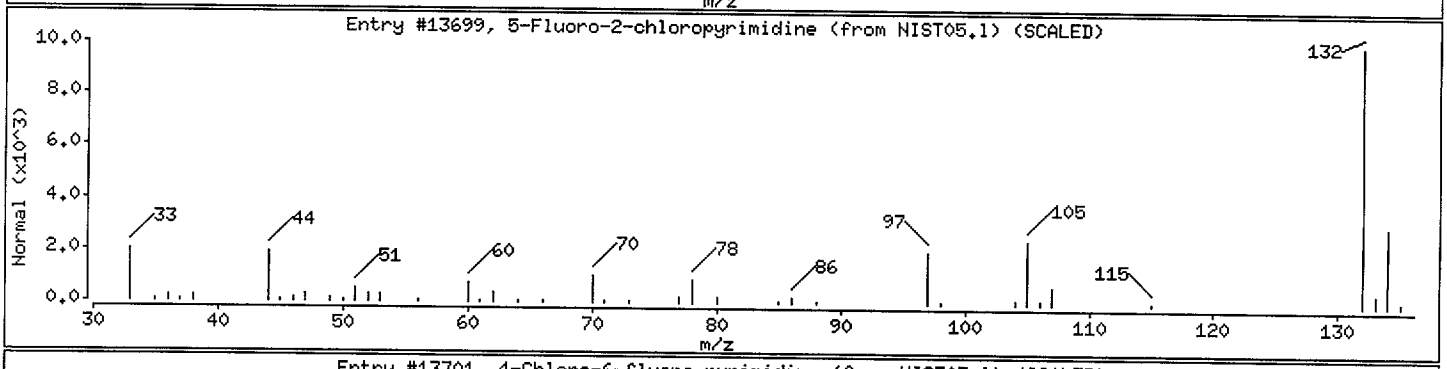
Column phase: ZB-5

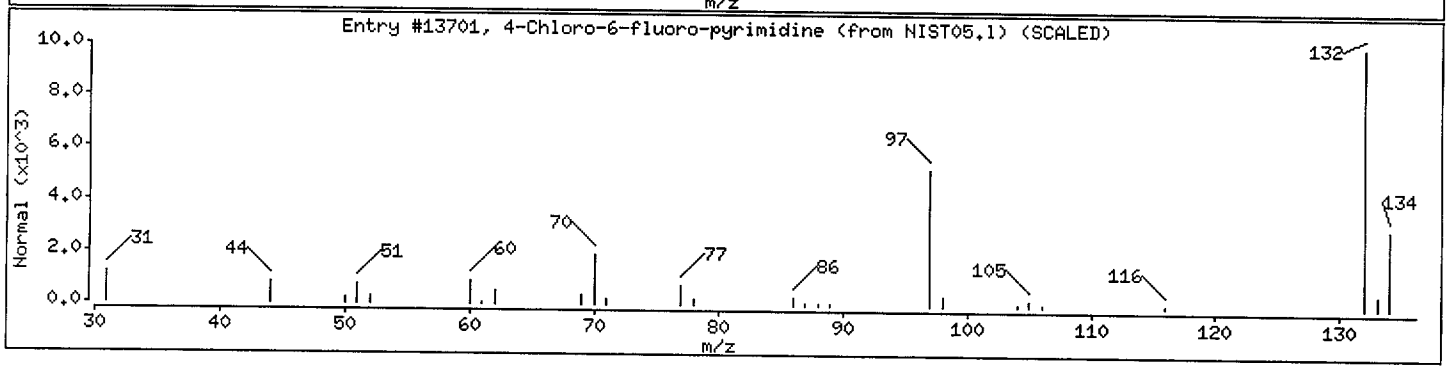
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	25	C4H2ClFN2	132
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	25	C4H2ClFN2	132
4-Chloro-6-fluoro-pyrimidine	51422-01-6	NIST05.1	13701	17	C4H2ClFN2	132









Data File: /var/chem/gcms/md.i/D042806.b/h2pj21aa.d

Date : 28-APR-2006 14:10

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ21AA,,3,,,BLK,

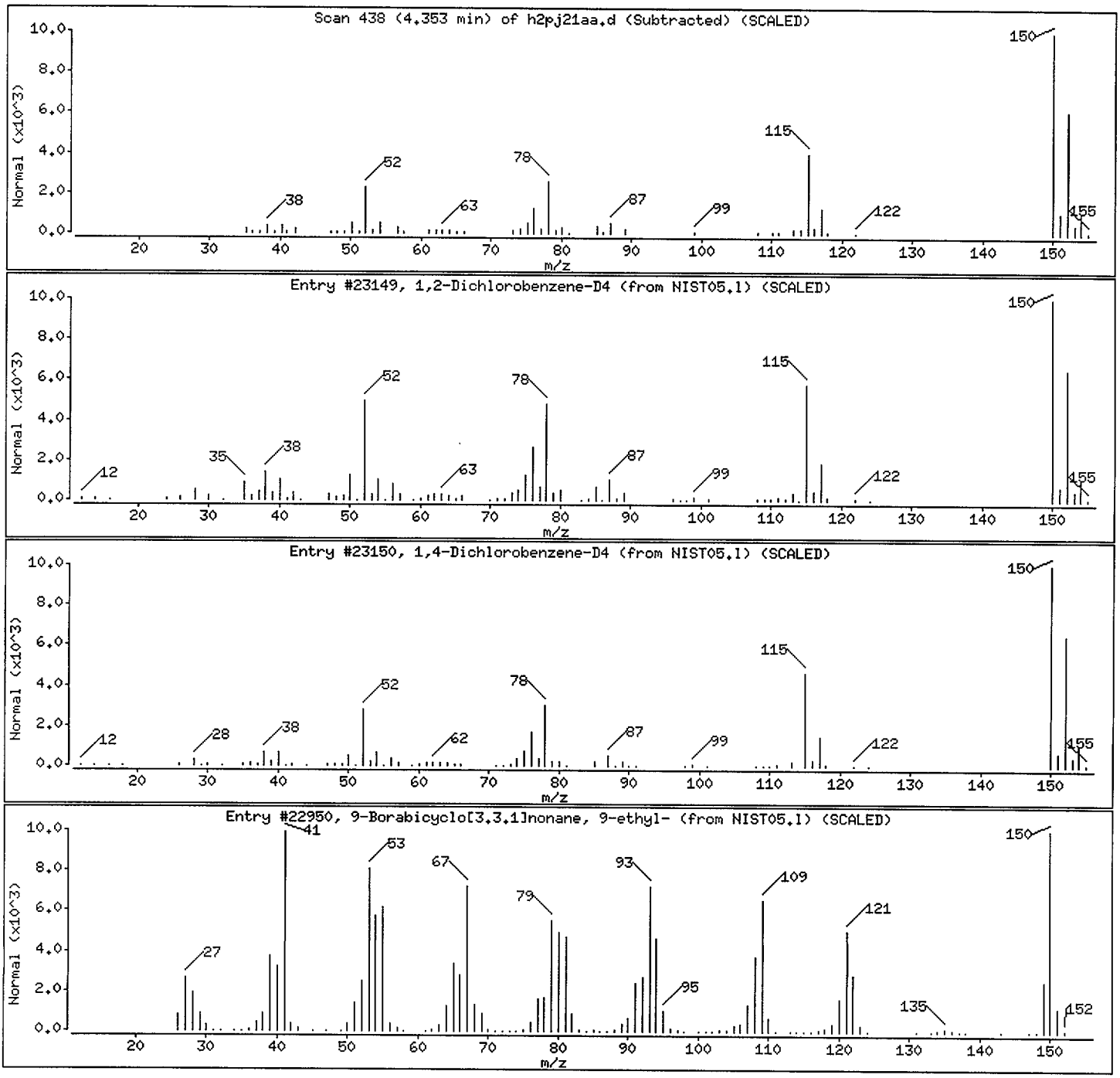
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	38	C10H19B	150



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**76**	**(66 - 113)**			**SW846 8270C**
	83	**(66 - 113)**	**8.9**	**(0-35)**	**SW846 8270C**
Acenaphthylene	76	(64 - 110)			SW846 8270C
	84	(64 - 110)	9.8	(0-36)	SW846 8270C
Aniline	56	(34 - 148)			SW846 8270C
	60	(34 - 148)	7.3	(0-35)	SW846 8270C
Anthracene	80	(66 - 118)			SW846 8270C
	86	(66 - 118)	8.0	(0-39)	SW846 8270C
Benzo(a)anthracene	80	(61 - 124)			SW846 8270C
	89	(61 - 124)	11	(0-32)	SW846 8270C
Benzo(b)fluoranthene	72	(47 - 150)			SW846 8270C
	77	(47 - 150)	6.2	(0-43)	SW846 8270C
Benzo(k)fluoranthene	80	(39 - 139)			SW846 8270C
	90	(39 - 139)	12	(0-43)	SW846 8270C
Benzoic acid	53	(37 - 138)			SW846 8270C
	61	(37 - 138)	14	(0-31)	SW846 8270C
Benzo(ghi)perylene	74	(39 - 139)			SW846 8270C
	82	(39 - 139)	11	(0-30)	SW846 8270C
Benzo(a)pyrene	78	(55 - 128)			SW846 8270C
	86	(55 - 128)	9.4	(0-34)	SW846 8270C
Benzyl alcohol	68	(47 - 124)			SW846 8270C
	79	(47 - 124)	14	(0-33)	SW846 8270C
bis(2-Chloroethoxy) methane	67	(57 - 109)			SW846 8270C
	72	(57 - 109)	7.6	(0-35)	SW846 8270C
bis(2-Chloroethyl)-ether	70	(57 - 117)			SW846 8270C
	76	(57 - 117)	7.1	(0-39)	SW846 8270C
bis(2-Ethylhexyl) phthalate	82	(48 - 133)			SW846 8270C
	89	(48 - 133)	8.5	(0-36)	SW846 8270C
4-Bromophenyl phenyl ether	84	(72 - 137)			SW846 8270C
	92	(72 - 137)	8.4	(0-33)	SW846 8270C
Butyl benzyl phthalate	75	(49 - 124)			SW846 8270C
	83	(49 - 124)	10	(0-32)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	76	(38 - 150)			SW846 8270C
	83	(38 - 150)	8.5	(0-33)	SW846 8270C
4-Chloroaniline	42	(24 - 108)			SW846 8270C
	48	(24 - 108)	12	(0-33)	SW846 8270C
4-Chloro-3-methylphenol	**74**	**(63 - 114)**			**SW846 8270C**
	80	**(63 - 114)**	**7.0**	**(0-31)**	**SW846 8270C**
2-Chloronaphthalene	73	(66 - 113)			SW846 8270C
	80	(66 - 113)	9.4	(0-36)	SW846 8270C
2-Chlorophenol	**78**	**(59 - 108)**			**SW846 8270C**
	83	**(59 - 108)**	**6.1**	**(0-39)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	81	(67 - 119)			SW846 8270C
	88	(67 - 119)	8.8	(0-35)	SW846 8270C
Chrysene	82	(59 - 121)			SW846 8270C
	89	(59 - 121)	8.0	(0-34)	SW846 8270C
Dibenz(a,h)anthracene	71	(44 - 140)			SW846 8270C
	80	(44 - 140)	12	(0-24)	SW846 8270C
Dibenzofuran	79	(69 - 113)			SW846 8270C
	87	(69 - 113)	9.6	(0-34)	SW846 8270C
Di-n-butyl phthalate	77	(58 - 122)			SW846 8270C
	84	(58 - 122)	9.6	(0-30)	SW846 8270C
1,2-Dichlorobenzene	78	(46 - 101)			SW846 8270C
	84	(46 - 101)	6.8	(0-42)	SW846 8270C
1,3-Dichlorobenzene	77	(43 - 101)			SW846 8270C
	83	(43 - 101)	7.0	(0-37)	SW846 8270C
1,4-Dichlorobenzene	**77**	**(43 - 99)**			**SW846 8270C**
	83	**(43 - 99)**	**7.4**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	55	(16 - 100)			SW846 8270C
	64	(16 - 100)	16	(0-38)	SW846 8270C
2,4-Dichlorophenol	80	(63 - 114)			SW846 8270C
	87	(63 - 114)	8.8	(0-37)	SW846 8270C
Diethyl phthalate	74	(30 - 117)			SW846 8270C
	80	(30 - 117)	7.9	(0-31)	SW846 8270C
2,4-Dimethylphenol	39	(15 - 85)			SW846 8270C
	42	(15 - 85)	7.6	(0-40)	SW846 8270C
Dimethyl phthalate	75	(25 - 116)			SW846 8270C
	82	(25 - 116)	9.5	(0-32)	SW846 8270C
4,6-Dinitro-2-methylphenol	84	(59 - 136)			SW846 8270C
	92	(59 - 136)	9.4	(0-36)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	77	(47 - 150)			SW846 8270C
	90	(47 - 150)	16	(0-40)	SW846 8270C
2,4-Dinitrotoluene	**81**	**(71 - 122)**			**SW846 8270C**
	88	**(71 - 122)**	**8.7**	**(0-33)**	**SW846 8270C**
2,6-Dinitrotoluene	81	(68 - 119)			SW846 8270C
	89	(68 - 119)	10	(0-33)	SW846 8270C
Di-n-octyl phthalate	78	(42 - 140)			SW846 8270C
	86	(42 - 140)	8.9	(0-30)	SW846 8270C
1,2-Diphenylhydrazine	65	(55 - 136)			SW846 8270C
	71	(55 - 136)	8.5	(0-34)	SW846 8270C
Fluoranthene	88	(65 - 120)			SW846 8270C
	93	(65 - 120)	6.4	(0-33)	SW846 8270C
Fluorene	79	(68 - 117)			SW846 8270C
	87	(68 - 117)	10	(0-34)	SW846 8270C
Hexachlorobenzene	70	(65 - 123)			SW846 8270C
	76	(65 - 123)	7.8	(0-34)	SW846 8270C
Hexachlorobutadiene	65	(52 - 105)			SW846 8270C
	70	(52 - 105)	8.3	(0-34)	SW846 8270C
Hexachlorocyclopenta-diene	53	(15 - 99)			SW846 8270C
	59	(15 - 99)	11	(0-48)	SW846 8270C
Hexachloroethane	68	(36 - 101)			SW846 8270C
	74	(36 - 101)	8.7	(0-38)	SW846 8270C
Indeno(1,2,3-cd)pyrene	74	(41 - 140)			SW846 8270C
	83	(41 - 140)	11	(0-25)	SW846 8270C
Isophorone	69	(60 - 112)			SW846 8270C
	75	(60 - 112)	8.4	(0-34)	SW846 8270C
2-Methylnaphthalene	85	(66 - 115)			SW846 8270C
	90	(66 - 115)	6.6	(0-33)	SW846 8270C
2-Methylphenol	73	(55 - 109)			SW846 8270C
	80	(55 - 109)	8.5	(0-36)	SW846 8270C
3-Methylphenol & 4-Methylphenol	77	(58 - 118)			SW846 8270C
	82	(58 - 118)	6.9	(0-26)	SW846 8270C
Naphthalene	74	(61 - 108)			SW846 8270C
	80	(61 - 108)	7.9	(0-31)	SW846 8270C
2-Nitroaniline	64	(52 - 126)			SW846 8270C
	71	(52 - 126)	11	(0-32)	SW846 8270C
3-Nitroaniline	61	(32 - 135)			SW846 8270C
	68	(32 - 135)	11	(0-26)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Nitroaniline	65	(49 - 144)			SW846 8270C
	74	(49 - 144)	13	(0-28)	SW846 8270C
Nitrobenzene	67	(58 - 114)			SW846 8270C
	73	(58 - 114)	8.1	(0-42)	SW846 8270C
2-Nitrophenol	82	(64 - 116)			SW846 8270C
	89	(64 - 116)	8.4	(0-37)	SW846 8270C
4-Nitrophenol	**59**	**(47 - 134)**			**SW846 8270C**
	67	**(47 - 134)**	**13**	**(0-26)**	**SW846 8270C**
N-Nitrosodimethylamine	80	(46 - 105)			SW846 8270C
	86	(46 - 105)	6.4	(0-40)	SW846 8270C
N-Nitrosodiphenylamine	91	(52 - 122)			SW846 8270C
	99	(52 - 122)	8.5	(0-35)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**72**	**(44 - 119)**			**SW846 8270C**
	78	**(44 - 119)**	**8.2**	**(0-38)**	**SW846 8270C**
Pentachlorophenol	**70**	**(63 - 123)**			**SW846 8270C**
	78	**(63 - 123)**	**11**	**(0-26)**	**SW846 8270C**
Phenanthrene	81	(65 - 121)			SW846 8270C
	89	(65 - 121)	9.8	(0-32)	SW846 8270C
Phenol	**75**	**(58 - 114)**			**SW846 8270C**
	80	**(58 - 114)**	**6.2**	**(0-36)**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	64	(15 - 147)			SW846 8270C
	69	(15 - 147)	6.8	(0-45)	SW846 8270C
Pyrene	**89**	**(60 - 122)**			**SW846 8270C**
	99	**(60 - 122)**	**11**	**(0-34)**	**SW846 8270C**
Pyridine	65	(46 - 105)			SW846 8270C
	69	(46 - 105)	7.0	(0-41)	SW846 8270C
1,2,4-Trichloro-benzene	**77**	**(59 - 111)**			**SW846 8270C**
	84	**(59 - 111)**	**8.2**	**(0-33)**	**SW846 8270C**
2,4,5-Trichloro-phenol	79	(68 - 117)			SW846 8270C
	87	(68 - 117)	9.7	(0-36)	SW846 8270C
2,4,6-Trichloro-phenol	74	(64 - 117)			SW846 8270C
	80	(64 - 117)	7.8	(0-35)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(19 - 100)
	67	(19 - 100)
Phenol-d5	71	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	65	(35 - 122)
	72	(35 - 122)
2-Fluorobiphenyl	78	(34 - 115)
	86	(34 - 115)
2,4,6-Tribromophenol	66	(33 - 130)
	74	(33 - 130)
Terphenyl-d14	77	(28 - 132)
	82	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096185
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**76.0**	**ug**	**76**		**SW846 8270C**
	100	**83.1**	**ug**	**83**	**8.9**	**SW846 8270C**
Acenaphthylene	100	76.5	ug	76		SW846 8270C
	100	84.4	ug	84	9.8	SW846 8270C
Aniline	100	55.6	ug	56		SW846 8270C
	100	59.8	ug	60	7.3	SW846 8270C
Anthracene	100	79.8	ug	80		SW846 8270C
	100	86.5	ug	86	8.0	SW846 8270C
Benzo(a)anthracene	100	79.7	ug	80		SW846 8270C
	100	88.6	ug	89	11	SW846 8270C
Benzo(b)fluoranthene	100	72.4	ug	72		SW846 8270C
	100	77.0	ug	77	6.2	SW846 8270C
Benzo(k)fluoranthene	100	79.7	ug	80		SW846 8270C
	100	90.3	ug	90	12	SW846 8270C
Benzoic acid	100	52.7	ug	53		SW846 8270C
	100	60.7	ug	61	14	SW846 8270C
Benzo(ghi)perylene	100	73.8	ug	74		SW846 8270C
	100	82.5	ug	82	11	SW846 8270C
Benzo(a)pyrene	100	78.2	ug	78		SW846 8270C
	100	85.9	ug	86	9.4	SW846 8270C
Benzyl alcohol	100	68.5	ug	68		SW846 8270C
	100	78.6	ug	79	14	SW846 8270C
bis(2-Chloroethoxy) methane	100	67.2	ug	67		SW846 8270C
	100	72.5	ug	72	7.6	SW846 8270C
bis(2-Chloroethyl)-ether	100	70.5	ug	70		SW846 8270C
	100	75.7	ug	76	7.1	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	81.9	ug	82		SW846 8270C
	100	89.2	ug	89	8.5	SW846 8270C
4-Bromophenyl phenyl ether	100	84.2	ug	84		SW846 8270C
	100	91.6	ug	92	8.4	SW846 8270C
Butyl benzyl phthalate	100	75.4	ug	75		SW846 8270C
	100	83.4	ug	83	10	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbazole	100	76.2	ug	76		SW846 8270C
	100	83.0	ug	83	8.5	SW846 8270C
4-Chloroaniline	100	42.3	ug	42		SW846 8270C
	100	47.7	ug	48	12	SW846 8270C
4-Chloro-3-methylphenol	**100**	**74.1**	**ug**	**74**		**SW846 8270C**
	100	**79.5**	**ug**	**80**	**7.0**	**SW846 8270C**
2-Chloronaphthalene	100	73.2	ug	73		SW846 8270C
	100	80.4	ug	80	9.4	SW846 8270C
2-Chlorophenol	**100**	**77.7**	**ug**	**78**		**SW846 8270C**
	100	**82.6**	**ug**	**83**	**6.1**	**SW846 8270C**
4-Chlorophenyl phenyl ether	100	80.7	ug	81		SW846 8270C
	100	88.1	ug	88	8.8	SW846 8270C
Chrysene	100	82.0	ug	82		SW846 8270C
	100	88.8	ug	89	8.0	SW846 8270C
Dibenz(a,h)anthracene	100	71.2	ug	71		SW846 8270C
	100	80.0	ug	80	12	SW846 8270C
Dibenzofuran	100	79.0	ug	79		SW846 8270C
	100	87.0	ug	87	9.6	SW846 8270C
Di-n-butyl phthalate	100	76.7	ug	77		SW846 8270C
	100	84.4	ug	84	9.6	SW846 8270C
1,2-Dichlorobenzene	100	78.5	ug	78		SW846 8270C
	100	84.0	ug	84	6.8	SW846 8270C
1,3-Dichlorobenzene	100	77.0	ug	77		SW846 8270C
	100	82.6	ug	83	7.0	SW846 8270C
1,4-Dichlorobenzene	**100**	**76.7**	**ug**	**77**		**SW846 8270C**
	100	**82.6**	**ug**	**83**	**7.4**	**SW846 8270C**
3,3'-Dichlorobenzidine	100	54.9	ug	55		SW846 8270C
	100	64.2	ug	64	16	SW846 8270C
2,4-Dichlorophenol	100	79.6	ug	80		SW846 8270C
	100	86.9	ug	87	8.8	SW846 8270C
Diethyl phthalate	100	74.4	ug	74		SW846 8270C
	100	80.5	ug	80	7.9	SW846 8270C
2,4-Dimethylphenol	100	39.3	ug	39		SW846 8270C
	100	42.4	ug	42	7.6	SW846 8270C
Dimethyl phthalate	100	75.0	ug	75		SW846 8270C
	100	82.5	ug	82	9.5	SW846 8270C
4,6-Dinitro-2-methylphenol	100	83.6	ug	84		SW846 8270C
	100	91.8	ug	92	9.4	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-Dinitrophenol	100	77.3	ug	77		SW846 8270C
	100	90.4	ug	90	16	SW846 8270C
2,4-Dinitrotoluene	**100**	**80.6**	**ug**	**81**		**SW846 8270C**
	100	**87.9**	**ug**	**88**	**8.7**	**SW846 8270C**
2,6-Dinitrotoluene	100	80.8	ug	81		SW846 8270C
	100	89.3	ug	89	10	SW846 8270C
Di-n-octyl phthalate	100	78.2	ug	78		SW846 8270C
	100	85.5	ug	86	8.9	SW846 8270C
1,2-Diphenylhydrazine	100	65.0	ug	65		SW846 8270C
	100	70.8	ug	71	8.5	SW846 8270C
Fluoranthene	100	87.5	ug	88		SW846 8270C
	100	93.3	ug	93	6.4	SW846 8270C
Fluorene	100	78.6	ug	79		SW846 8270C
	100	87.3	ug	87	10	SW846 8270C
Hexachlorobenzene	100	70.5	ug	70		SW846 8270C
	100	76.2	ug	76	7.8	SW846 8270C
Hexachlorobutadiene	100	64.7	ug	65		SW846 8270C
	100	70.3	ug	70	8.3	SW846 8270C
Hexachlorocyclopenta-diene	100	53.1	ug	53		SW846 8270C
	100	59.4	ug	59	11	SW846 8270C
Hexachloroethane	100	68.0	ug	68		SW846 8270C
	100	74.2	ug	74	8.7	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	74.2	ug	74		SW846 8270C
	100	82.9	ug	83	11	SW846 8270C
Isophorone	100	68.6	ug	69		SW846 8270C
	100	74.6	ug	75	8.4	SW846 8270C
2-Methylnaphthalene	100	84.7	ug	85		SW846 8270C
	100	90.5	ug	90	6.6	SW846 8270C
2-Methylphenol	100	73.4	ug	73		SW846 8270C
	100	79.9	ug	80	8.5	SW846 8270C
3-Methylphenol & 4-Methylphenol	200	154	ug	77		SW846 8270C
	200	165	ug	82	6.9	SW846 8270C
Naphthalene	100	74.3	ug	74		SW846 8270C
	100	80.4	ug	80	7.9	SW846 8270C
2-Nitroaniline	100	63.5	ug	64		SW846 8270C
	100	70.8	ug	71	11	SW846 8270C
3-Nitroaniline	100	61.1	ug	61		SW846 8270C
	100	68.4	ug	68	11	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4-Nitroaniline	100	64.8	ug	65		SW846 8270C
	100	74.0	ug	74	13	SW846 8270C
Nitrobenzene	100	67.2	ug	67		SW846 8270C
	100	72.9	ug	73	8.1	SW846 8270C
2-Nitrophenol	100	81.7	ug	82		SW846 8270C
	100	88.9	ug	89	8.4	SW846 8270C
4-Nitrophenol	**100**	**58.9**	**ug**	**59**		**SW846 8270C**
	100	**67.4**	**ug**	**67**	**13**	**SW846 8270C**
N-Nitrosodimethylamine	100	80.2	ug	80		SW846 8270C
	100	85.5	ug	86	6.4	SW846 8270C
N-Nitrosodiphenylamine	100	90.7	ug	91		SW846 8270C
	100	98.8	ug	99	8.5	SW846 8270C
N-Nitrosodi-n-propyl-amine	**100**	**71.5**	**ug**	**72**		**SW846 8270C**
	100	**77.6**	**ug**	**78**	**8.2**	**SW846 8270C**
Pentachlorophenol	**100**	**69.9**	**ug**	**70**		**SW846 8270C**
	100	**78.2**	**ug**	**78**	**11**	**SW846 8270C**
Phenanthrene	100	80.9	ug	81		SW846 8270C
	100	89.2	ug	89	9.8	SW846 8270C
Phenol	**100**	**75.0**	**ug**	**75**		**SW846 8270C**
	100	**79.8**	**ug**	**80**	**6.2**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	100	64.4	ug	64		SW846 8270C
	100	68.9	ug	69	6.8	SW846 8270C
Pyrene	**100**	**89.1**	**ug**	**89**		**SW846 8270C**
	100	**99.4**	**ug**	**99**	**11**	**SW846 8270C**
Pyridine	100	64.6	ug	65		SW846 8270C
	100	69.3	ug	69	7.0	SW846 8270C
1,2,4-Trichloro-benzene	**100**	**77.4**	**ug**	**77**		**SW846 8270C**
	100	**84.0**	**ug**	**84**	**8.2**	**SW846 8270C**
2,4,5-Trichloro-phenol	100	78.6	ug	79		SW846 8270C
	100	86.6	ug	87	9.7	SW846 8270C
2,4,6-Trichloro-phenol	100	74.4	ug	74		SW846 8270C
	100	80.4	ug	80	7.8	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ21AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-185 H2PJ21AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(19 - 100)
	67	(19 - 100)
Phenol-d5	71	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	65	(35 - 122)
	72	(35 - 122)
2-Fluorobiphenyl	78	(34 - 115)
	86	(34 - 115)
2,4,6-Tribromophenol	66	(33 - 130)
	74	(33 - 130)
Terphenyl-d14	77	(28 - 132)
	82	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Report Date: 28-Apr-2006 15:11

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Lab Smp Id: H2PJ21AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 28-APR-2006 14:34
Operator : 60841 Inst ID: md.i
Smp Info : H2PJ21AC,,3,,,LCS,
Misc Info : D042806,8270a9,8270.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 28-Apr-2006 13:38 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 15 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05-04-06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	68551	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	240269	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	176379	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	310339	20.0000	
* 5 Chrysene-d12	240	12.009	12.003	(1.000)	312945	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	276468	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	225629	47.0656	47.1
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	310006	53.6091	53.6
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	176521	32.5922	32.6
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	451523	38.8314	38.8
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	97145	49.3663	49.4
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	585986	38.4979	38.5
13 N-Nitrosodimethylamine	74	2.050	2.050	(0.493)	183630	80.2563	80.2

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Report Date: 28-Apr-2006 15:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
14 Pyridine	79	2.061	2.067	(0.496)	295364	64.5608	64.6
15 Phenol (ccc)	94	3.865	3.865	(0.929)	458262	74.9792	75.0
16 Aniline	93	3.871	3.871	(0.931)	379215	55.5623	55.6
17 Bis(2-chloroethyl)ether	93	3.930	3.930	(0.945)	301667	70.5316	70.5
18 2-Chlorophenol	128	3.989	3.989	(0.959)	352924	77.6684	77.7
19 1,3-Dichlorobenzene	146	4.124	4.124	(0.992)	400517	76.9713	77.0
20 1,4-Dichlorobenzene (ccc)	146	4.177	4.177	(1.004)	403238	76.7117	76.7
21 Benzyl alcohol	108	4.329	4.323	(1.041)	207684	68.5216	68.5
22 1,2-Dichlorobenzene	146	4.370	4.370	(1.051)	395659	78.5369	78.5
23 2-Methylphenol	108	4.476	4.476	(1.076)	318825	73.4314	73.4
24 2,2'-Oxybis(1-Chloropropane)	45	4.494	4.494	(1.081)	471868	64.3746	64.4
25 4-Methylphenol	108	4.652	4.647	(1.119)	695369	154.062	154
26 3&4 Methylphenol	108	4.652	4.647	(1.119)	695369	154.062	154
27 N-Nitroso-di-n-propylamine###	70	4.658	4.658	(1.120)	240694	71.4636	71.5
28 Hexachloroethane	117	4.723	4.723	(1.136)	138949	67.9673	68.0
29 Nitrobenzene	77	4.835	4.835	(0.841)	353034	67.2297	67.2
30 Isophorone	82	5.146	5.140	(0.895)	668562	68.5692	68.6
31 2-Nitrophenol (ccc)	139	5.258	5.258	(0.914)	194569	81.7156	81.7
32 2,4-Dimethyphenol	107	5.340	5.340	(0.928)	207599	39.3103	39.3
33 Bis(2-chloroethoxy)methane	93	5.463	5.463	(0.950)	376725	67.1879	67.2
34 Benzoic acid	122	5.516	5.504	(0.959)	143789	52.6878	52.7
35 2,4-Dichlorophenol (ccc)	162	5.587	5.587	(0.971)	334590	79.6367	79.6
36 1,2,4-Trichlorobenzene	180	5.698	5.698	(0.991)	362115	77.4309	77.4
37 Naphthalene	128	5.775	5.775	(1.004)	1045198	74.2887	74.3
38 4-Chloroaniline	127	5.898	5.898	(1.026)	256824	42.3478	42.3
39 Hexachlorobutadiene (ccc)	225	6.051	6.051	(1.052)	218229	64.6724	64.7
40 4-Chloro-3-methylphenol (ccc)	107	6.638	6.633	(1.154)	326752	74.0909	74.1
41 2-Methylnaphthalene	142	6.774	6.774	(1.178)	760649	84.6929	84.7
42 Hexachlorocyclopentadiene####	237	7.167	7.167	(0.852)	210261	53.1102	53.1
43 2,4,6-Trichlorophenol (ccc)	196	7.326	7.326	(0.871)	268325	74.4475	74.4
44 2,4,5-Trichlorphenol	196	7.396	7.396	(0.879)	313074	78.5502	78.6
45 2-Chloronaphthalene	162	7.596	7.596	(0.903)	776242	73.1834	73.2
46 2-Nitroaniline	65	7.831	7.831	(0.931)	214403	63.5239	63.5
47 Acenaphthylene	152	8.213	8.207	(0.976)	1273282	76.4875	76.5
48 Dimethyl phthalate	163	8.178	8.172	(0.972)	915256	75.0002	75.0
49 2,6-Dinitrotoluene	165	8.248	8.242	(0.980)	210792	80.8062	80.8
50 3-Nitroaniline	138	8.413	8.407	(1.000)	190729	61.1021	61.1
51 Acenaphthene (ccc)	153	8.454	8.454	(1.005)	759400	75.9723	76.0
52 2,4-Dinitrophenol ##spcc##	184	8.536	8.536	(1.015)	100459	77.2758	77.3
53 Dibenzofuran	168	8.654	8.648	(1.029)	1177520	78.9637	79.0
54 4-Nitrophenol ##spcc##	109	8.677	8.677	(1.031)	114763	58.9495	58.9(R)
55 2,4-Dinitrotoluene	165	8.724	8.718	(1.037)	283073	80.5542	80.6
56 Fluorene	166	9.036	9.036	(1.074)	977126	78.6257	78.6
57 4-Chlorophenyl phenyl ether	204	9.059	9.059	(1.077)	498796	80.6845	80.7
58 Diethyl phthalate	149	9.024	9.024	(1.073)	893677	74.4064	74.4
59 4-Nitroaniline	138	9.118	9.112	(1.084)	204616	64.8169	64.8
60 4,6-Dinitro-2-methylphenol	198	9.159	9.159	(0.923)	163261	83.6142	83.6

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Report Date: 28-Apr-2006 15:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
61 N-Ndpa / diphenylamine (ccc)	169	9.194	9.188	(0.927)	736177	90.6951	90.7
62 1,2-Diphenylhydrazine/azobnz	77	9.218	9.212	(0.929)	818328	65.0051	65.0
63 4-Bromophenyl phenyl ether	248	9.535	9.535	(0.961)	290811	84.2048	84.2
64 Hexachlorobenzene	284	9.658	9.658	(0.973)	304602	70.5492	70.5
65 Pentachlorophenol (ccc)	266	9.829	9.829	(0.991)	195306	69.8707	69.9(R)
66 Phenanthrene	178	9.946	9.946	(1.002)	1514201	80.9178	80.9
67 Anthracene	178	9.987	9.982	(1.006)	1494755	79.8475	79.8
68 Carbazole	167	10.134	10.134	(1.021)	1344931	76.2540	76.2
69 Di-n-butyl phthalate	149	10.469	10.469	(1.055)	1533739	76.6815	76.7
70 Fluoranthene (ccc)	202	10.916	10.910	(1.100)	1768137	87.4778	87.5
71 Pyrene	202	11.080	11.080	(0.923)	1782601	89.0607	89.1
72 Butyl benzyl phthalate	149	11.580	11.580	(0.964)	676651	75.4375	75.4
73 Benzo(a)Anthracene	228	11.991	11.991	(0.999)	1633833	79.7337	79.7
74 3,3'-Dichlorobenzidine	252	11.973	11.973	(0.997)	426080	54.9279	54.9
75 Chrysene	228	12.032	12.026	(1.002)	1609865	82.0495	82.0
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	933546	81.8956	81.9
77 Di-n-octyl phthalate (ccc)	149	12.584	12.585	(0.951)	1581555	78.2443	78.2
78 Benzo(b)fluoranthene	252	12.925	12.925	(0.977)	1537226	72.3562	72.4
79 Benzo(k)fluoranthene	252	12.949	12.943	(0.979)	1728774	79.6865	79.7
80 Benzo(a)pyrene (ccc)	252	13.190	13.190	(0.997)	1385591	78.2577	78.2
81 Indeno(1,2,3-cd)pyrene	276	14.241	14.241	(1.076)	1455980	74.2228	74.2
82 Dibenz(a,h)anthracene	278	14.247	14.247	(1.077)	1169877	71.1537	71.2
83 Benzo(g,h,i)perylene	276	14.523	14.518	(1.098)	1224940	73.8298	73.8

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Report Date: 28-Apr-2006 15:11

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pj21ac.d
Lab Smp Id: H2PJ21AC
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	68551	11.44
2 Naphthalene-d8	201763	100882	403526	240269	19.08
3 Acenaphthene-d10	143273	71636	286546	176379	23.11
4 Phenanthrene-d10	247023	123512	494046	310339	25.63
5 Chrysene-d12	265356	132678	530712	312945	17.93
6 Perylene-d12	233795	116898	467590	276468	18.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.01	0.05
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Report Date: 28-Apr-2006 15:11

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PJ21AC
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: 8270.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB CHECK
Operator: 60841
SampleType: METHOD SPIKE
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
13 N-Nitrosodimethyla	100	80.2	80.26	35-150
14 Pyridine	100	64.6	64.56	35-150
15 Phenol (ccc)	100	75.0	74.98	59-117
16 Aniline	100	55.6	55.56	35-150
17 Bis(2-chloroethyl)	100	70.5	70.53	35-150
18 2-Chlorophenol	100	77.7	77.67	63-114
19 1,3-Dichlorobenzen	100	77.0	76.97	35-150
20 1,4-Dichlorobenzen	100	76.7	76.71	65-111
21 Benzyl alcohol	100	68.5	68.52	35-150
22 1,2-Dichlorobenzen	100	78.5	78.54	35-150
23 2-Methylphenol	100	73.4	73.43	35-150
24 2,2'-Oxybis(1-Chlo	100	64.4	64.37	35-150
25 4-Methylphenol	200	154	77.03	35-150
26 3&4 Methylphenol	200	154	77.03	35-150
27 N-Nitroso-di-n-pro	100	71.5	71.46	62-114
28 Hexachloroethane	100	68.0	67.97	35-150
29 Nitrobenzene	100	67.2	67.23	35-150
30 Isophorone	100	68.6	68.57	35-150
31 2-Nitrophenol (ccc	100	81.7	81.72	35-150
32 2,4-Dimethyphenol	100	39.3	39.31	35-150
33 Bis(2-chloroethoxy	100	67.2	67.19	35-150
34 Benzoic acid	100	52.7	52.69	35-150
35 2,4-Dichlorophenol	100	79.6	79.64	35-150
36 1,2,4-Trichloroben	100	77.4	77.43	66-113
37 Naphthalene	100	74.3	74.29	60-100
38 4-Chloroaniline	100	42.3	42.35	35-150
39 Hexachlorobutadien	100	64.7	64.67	35-150
40 4-Chloro-3-methylp	100	74.1	74.09	71-118
41 2-Methylnaphthalen	100	84.7	84.69	35-150
42 Hexachlorocyclopen	100	53.1	53.11	35-150
43 2,4,6-Trichlorophe	100	74.4	74.45	35-150
44 2,4,5-Trichlorphen	100	78.6	78.55	35-150
45 2-Chloronaphthalen	100	73.2	73.18	35-150

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Report Date: 28-Apr-2006 15:11

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
46 2-Nitroaniline	100	63.5	63.52	35-150
47 Acenaphthylene	100	76.5	76.49	60-106
48 Dimethyl phthalate	100	75.0	75.00	35-150
49 2,6-Dinitrotoluene	100	80.8	80.81	35-150
50 3-Nitroaniline	100	61.1	61.10	35-150
51 Acenaphthene (ccc)	100	76.0	75.97	65-107
52 2,4-Dinitrophenol	100	77.3	77.28	35-150
53 Dibenzofuran	100	79.0	78.96	35-150
54 4-Nitrophenol ##sp	100	58.9	58.95*	61-128
55 2,4-Dinitrotoluene	100	80.6	80.55	72-131
56 Fluorene	100	78.6	78.63	60-113
57 4-Chlorophenyl phe	100	80.7	80.68	35-150
58 Diethyl phthalate	100	74.4	74.41	35-150
59 4-Nitroaniline	100	64.8	64.82	35-150
60 4,6-Dinitro-2-meth	100	83.6	83.61	35-150
61 N-Ndpa / diphenyla	100	90.7	90.70	35-150
62 1,2-Diphenylhydraz	100	65.0	65.01	35-150
63 4-Bromophenyl phen	100	84.2	84.20	35-150
64 Hexachlorobenzene	100	70.5	70.55	35-150
65 Pentachlorophenol	100	69.9	69.87*	71-122
66 Phenanthrene	100	80.9	80.92	65-108
67 Anthracene	100	79.8	79.85	67-114
68 Carbazole	100	76.2	76.25	35-150
69 Di-n-butyl phthala	100	76.7	76.68	35-150
70 Fluoranthene (ccc)	100	87.5	87.48	65-115
71 Pyrene	100	89.1	89.06	67-114
72 Butyl benzyl phtha	100	75.4	75.44	35-150
73 Benzo(a)Anthracene	100	79.7	79.73	70-114
74 3,3'-Dichlorobenzi	100	54.9	54.93	35-150
75 Chrysene	100	82.0	82.05	68-111
76 Bis(2-ethylhexyl)	100	81.9	81.90	35-150
77 Di-n-octyl phthala	100	78.2	78.24	35-150
78 Benzo(b)fluoranthe	100	72.4	72.36	60-120
79 Benzo(k)fluoranthe	100	79.7	79.69	61-119
80 Benzo(a)pyrene (cc	100	78.2	78.26	67-111
81 Indeno(1,2,3-cd)py	100	74.2	74.22	67-120
82 Dibenz(a,h)anthrac	100	71.2	71.15	71-120
83 Benzo(g,h,i)peryle	100	73.8	73.83	63-120

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	47.1	62.75	0-100
$ 8 Phenol-d5	75.0	53.6	71.48	0-124

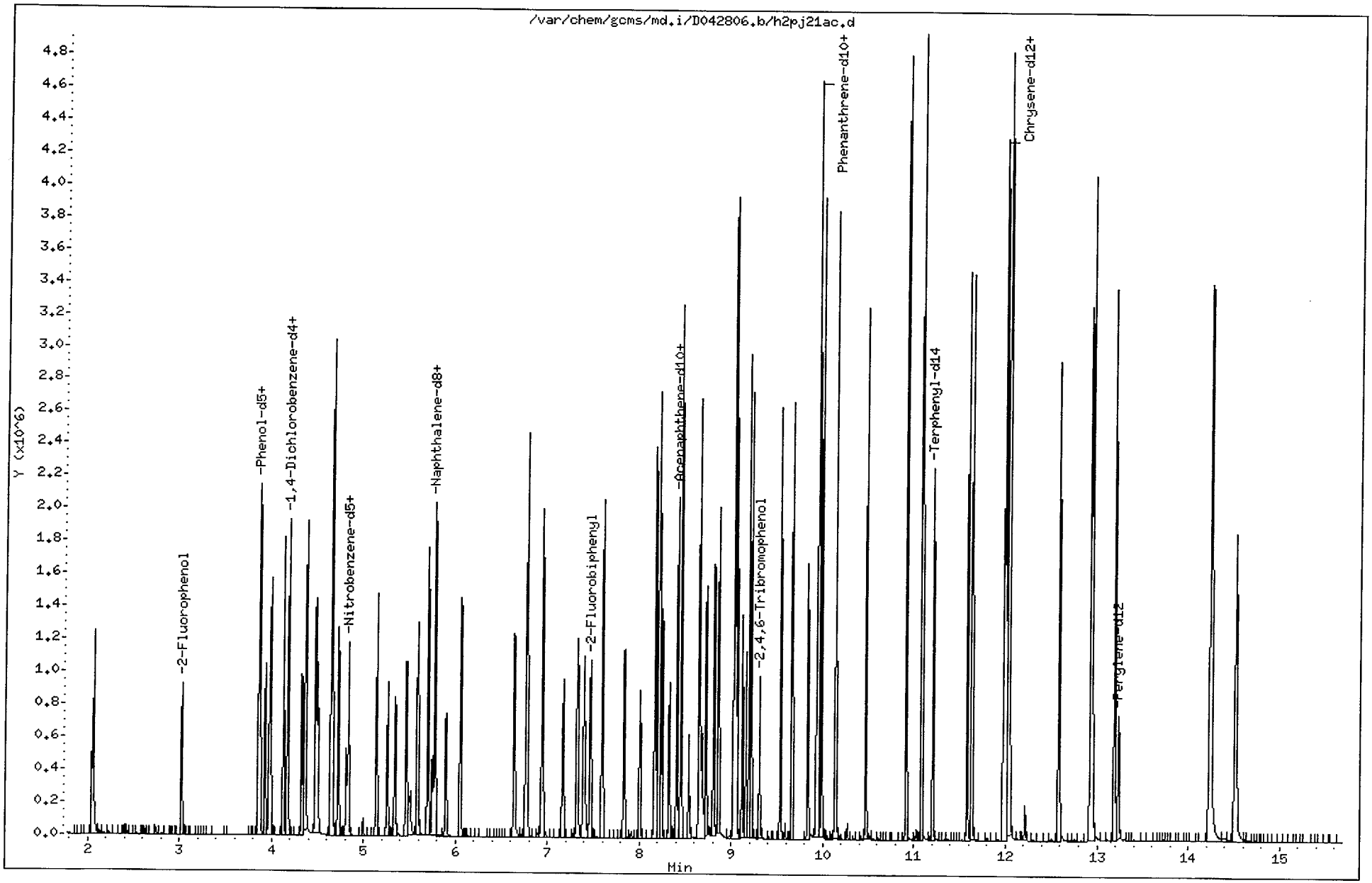
Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Report Date: 28-Apr-2006 15:11

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	50.0	32.6	65.18	0-104
$ 10 2-Fluorobiphenyl	50.0	38.8	77.66	0-103
$ 11 2,4,6-Tribromophen	75.0	49.4	65.82	0-130
$ 12 Terphenyl-d14	50.0	38.5	77.00	0-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ac.d
Date : 28-APR-2006 14:34
Client ID: INTRA-LAB CHECK
Sample Info: H2PJ21AC,,3,,,LCS,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Report Date: 28-Apr-2006 15:14

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Lab Smp Id: H2PJ21AD Client Smp ID: INTRA-LAB CHECK
Inj Date : 28-APR-2006 14:57
Operator : 60841 Inst ID: md.i
Smp Info : H2PJ21AD,,3,,,DUP,
Misc Info : D042806,8270a9,8270.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 28-Apr-2006 13:38 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 16 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	72038	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	250591	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	181195	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	318683	20.0000	
* 5 Chrysene-d12	240	12.009	12.003	(1.000)	319687	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	282754	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	254802	50.5786	50.6
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	349898	57.5794	57.6
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	202064	35.7718	35.8
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	514045	43.0334	43.0
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	112842	55.8417	55.8
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	639807	41.1473	41.1
13 N-Nitrosodimethylamine	74	2.050	2.050	(0.493)	205488	85.4631	85.5

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Report Date: 28-Apr-2006 15:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
14 Pyridine	79	2.061	2.067	(0.496)	333376	69.3428	69.3
15 Phenol (ccc)	94	3.865	3.865	(0.929)	512677	79.8228	79.8
16 Aniline	93	3.871	3.871	(0.931)	429280	59.8539	59.8
17 Bis(2-chloroethyl)ether	93	3.930	3.930	(0.945)	340159	75.6821	75.7
18 2-Chlorophenol	128	3.989	3.989	(0.959)	394556	82.6281	82.6
19 1,3-Dichlorobenzene	146	4.124	4.124	(0.992)	451453	82.5614	82.6
20 1,4-Dichlorobenzene (ccc)	146	4.177	4.177	(1.004)	456297	82.6045	82.6
21 Benzyl alcohol	108	4.329	4.323	(1.041)	250445	78.6310	78.6
22 1,2-Dichlorobenzene	146	4.370	4.370	(1.051)	444732	84.0054	84.0
23 2-Methylphenol	108	4.476	4.476	(1.076)	364703	79.9330	79.9
24 2,2'-Oxybis(1-Chloropropane)	45	4.494	4.494	(1.081)	530786	68.9080	68.9
25 4-Methylphenol	108	4.652	4.647	(1.119)	783197	165.124	165(A)
26 3&4 Methylphenol	108	4.652	4.647	(1.119)	783197	165.124	165(A)
27 N-Nitroso-di-n-propylamine###	70	4.658	4.658	(1.120)	274740	77.6244	77.6
28 Hexachloroethane	117	4.723	4.723	(1.136)	159368	74.1829	74.2
29 Nitrobenzene	77	4.835	4.835	(0.841)	399118	72.8750	72.9
30 Isophorone	82	5.146	5.140	(0.895)	758702	74.6090	74.6
31 2-Nitrophenol (ccc)	139	5.264	5.258	(0.915)	220820	88.9209	88.9
32 2,4-Dimethyphenol	107	5.340	5.340	(0.928)	233658	42.4223	42.4
33 Bis(2-chloroethoxy)methane	93	5.469	5.463	(0.951)	423788	72.4685	72.5
34 Benzoic acid	122	5.522	5.504	(0.960)	172833	60.7217	60.7
35 2,4-Dichlorophenol (ccc)	162	5.593	5.587	(0.972)	380726	86.8852	86.9
36 1,2,4-Trichlorobenzene	180	5.698	5.698	(0.991)	409546	83.9659	84.0
37 Naphthalene	128	5.775	5.775	(1.004)	1179544	80.3844	80.4
38 4-Chloroaniline	127	5.898	5.898	(1.026)	302015	47.7483	47.7
39 Hexachlorobutadiene (ccc)	225	6.057	6.051	(1.053)	247522	70.3319	70.3
40 4-Chloro-3-methylphenol (ccc)	107	6.638	6.633	(1.154)	365833	79.5356	79.5
41 2-Methylnaphthalene	142	6.774	6.774	(1.178)	847391	90.4648	90.5
42 Hexachlorocyclopentadiene####	237	7.167	7.167	(0.852)	241562	59.3951	59.4
43 2,4,6-Trichlorophenol (ccc)	196	7.326	7.326	(0.871)	297603	80.3763	80.4
44 2,4,5-Trichlorphenol	196	7.396	7.396	(0.879)	354555	86.5935	86.6
45 2-Chloronaphthalene	162	7.596	7.596	(0.903)	875998	80.3934	80.4
46 2-Nitroaniline	65	7.837	7.831	(0.932)	245467	70.7948	70.8
47 Acenaphthylene	152	8.213	8.207	(0.976)	1443986	84.4366	84.4
48 Dimethyl phthalate	163	8.178	8.172	(0.972)	1034852	82.5468	82.5
49 2,6-Dinitrotoluene	165	8.248	8.242	(0.980)	239221	89.2671	89.3
50 3-Nitroaniline	138	8.413	8.407	(1.000)	219238	68.3687	68.4
51 Acenaphthene (ccc)	153	8.454	8.454	(1.005)	853238	83.0915	83.1
52 2,4-Dinitrophenol ##spcc##	184	8.536	8.536	(1.015)	123931	90.4530	90.4
53 Dibenzofuran	168	8.654	8.648	(1.029)	1332538	86.9843	87.0
54 4-Nitrophenol ##spcc##	109	8.677	8.677	(1.031)	134751	67.3766	67.4
55 2,4-Dinitrotoluene	165	8.724	8.718	(1.037)	317463	87.9397	87.9
56 Fluorene	166	9.036	9.036	(1.074)	1114641	87.3074	87.3
57 4-Chlorophenyl phenyl ether	204	9.059	9.059	(1.077)	559363	88.0770	88.1
58 Diethyl phthalate	149	9.024	9.024	(1.073)	992972	80.4764	80.5
59 4-Nitroaniline	138	9.118	9.112	(1.084)	239856	73.9608	74.0
60 4,6-Dinitro-2-methylphenol	198	9.159	9.159	(0.923)	184102	91.8193	91.8

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Report Date: 28-Apr-2006 15:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
61 N-Ndpa / diphenylamine (ccc)	169	9.194	9.188	(0.927)	823628	98.8122	98.8
62 1,2-Diphenylhydrazine/azobnz	77	9.218	9.212	(0.929)	915091	70.7885	70.8
63 4-Bromophenyl phenyl ether	248	9.535	9.535	(0.961)	324905	91.6139	91.6
64 Hexachlorobenzene	284	9.658	9.658	(0.973)	337797	76.1892	76.2
65 Pentachlorophenol (ccc)	266	9.829	9.829	(0.991)	224618	78.2532	78.2
66 Phenanthrene	178	9.946	9.946	(1.002)	1714555	89.2256	89.2
67 Anthracene	178	9.988	9.982	(1.006)	1662064	86.4603	86.5
68 Carbazole	167	10.134	10.134	(1.021)	1503483	83.0116	83.0
69 Di-n-butyl phthalate	149	10.475	10.469	(1.056)	1734555	84.4510	84.4
70 Fluoranthene (ccc)	202	10.916	10.910	(1.100)	1936578	93.3028	93.3
71 Pyrene	202	11.086	11.080	(0.923)	2033116	99.4346	99.4
72 Butyl benzyl phthalate	149	11.580	11.580	(0.964)	764169	83.3979	83.4
73 Benzo(a)Anthracene	228	11.991	11.991	(0.999)	1854449	88.5915	88.6
74 3,3'-Dichlorobenzidine	252	11.973	11.973	(0.997)	508858	64.2157	64.2
75 Chrysene	228	12.032	12.026	(1.002)	1778988	88.7570	88.8
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	1039304	89.2505	89.2
77 Di-n-octyl phthalate (ccc)	149	12.585	12.585	(0.951)	1767878	85.5178	85.5
78 Benzo(b)fluoranthene	252	12.931	12.925	(0.977)	1673906	77.0380	77.0
79 Benzo(k)fluoranthene	252	12.949	12.943	(0.979)	2002753	90.2630	90.3
80 Benzo(a)pyrene (ccc)	252	13.190	13.190	(0.997)	1554968	85.8716	85.9
81 Indeno(1,2,3-cd)pyrene	276	14.241	14.241	(1.076)	1662987	82.8909	82.9
82 Dibenz(a,h)anthracene	278	14.253	14.247	(1.077)	1344761	79.9720	80.0
83 Benzo(g,h,i)perylene	276	14.523	14.518	(1.098)	1399467	82.4737	82.5

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Report Date: 28-Apr-2006 15:14

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pj21ad.d
Lab Smp Id: H2PJ21AD
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	72038	17.11
2 Naphthalene-d8	201763	100882	403526	250591	24.20
3 Acenaphthene-d10	143273	71636	286546	181195	26.47
4 Phenanthrene-d10	247023	123512	494046	318683	29.01
5 Chrysene-d12	265356	132678	530712	319687	20.47
6 Perylene-d12	233795	116898	467590	282754	20.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.01	0.05
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Report Date: 28-Apr-2006 15:14

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PJ21AD
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: 8270.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB CHECK
Operator: 60841
SampleType: METHOD SPIKE
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
13 N-Nitrosodimethyla	100	85.5	85.46	35-150
14 Pyridine	100	69.3	69.34	35-150
15 Phenol (ccc)	100	79.8	79.82	59-117
16 Aniline	100	59.8	59.85	35-150
17 Bis(2-chloroethyl)	100	75.7	75.68	35-150
18 2-Chlorophenol	100	82.6	82.63	63-114
19 1,3-Dichlorobenzen	100	82.6	82.56	35-150
20 1,4-Dichlorobenzen	100	82.6	82.60	65-111
21 Benzyl alcohol	100	78.6	78.63	35-150
22 1,2-Dichlorobenzen	100	84.0	84.01	35-150
23 2-Methylphenol	100	79.9	79.93	35-150
24 2,2'-Oxybis(1-Chlo	100	68.9	68.91	35-150
25 4-Methylphenol	200	165	82.56	35-150
26 3&4 Methylphenol	200	165	82.56	35-150
27 N-Nitroso-di-n-pro	100	77.6	77.62	62-114
28 Hexachloroethane	100	74.2	74.18	35-150
29 Nitrobenzene	100	72.9	72.88	35-150
30 Isophorone	100	74.6	74.61	35-150
31 2-Nitrophenol (ccc	100	88.9	88.92	35-150
32 2,4-Dimethyphenol	100	42.4	42.42	35-150
33 Bis(2-chloroethoxy	100	72.5	72.47	35-150
34 Benzoic acid	100	60.7	60.72	35-150
35 2,4-Dichlorophenol	100	86.9	86.89	35-150
36 1,2,4-Trichloroben	100	84.0	83.97	66-113
37 Naphthalene	100	80.4	80.38	60-100
38 4-Chloroaniline	100	47.7	47.75	35-150
39 Hexachlorobutadien	100	70.3	70.33	35-150
40 4-Chloro-3-methylp	100	79.5	79.54	71-118
41 2-Methylnaphthalen	100	90.5	90.46	35-150
42 Hexachlorocyclopen	100	59.4	59.40	35-150
43 2,4,6-Trichlorophe	100	80.4	80.38	35-150
44 2,4,5-Trichlorphen	100	86.6	86.59	35-150
45 2-Chloronaphthalen	100	80.4	80.39	35-150

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Report Date: 28-Apr-2006 15:14

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
46 2-Nitroaniline	100	70.8	70.79	35-150
47 Acenaphthylene	100	84.4	84.44	60-106
48 Dimethyl phthalate	100	82.5	82.55	35-150
49 2,6-Dinitrotoluene	100	89.3	89.27	35-150
50 3-Nitroaniline	100	68.4	68.37	35-150
51 Acenaphthene (ccc)	100	83.1	83.09	65-107
52 2,4-Dinitrophenol	100	90.4	90.45	35-150
53 Dibenzofuran	100	87.0	86.98	35-150
54 4-Nitrophenol ##sp	100	67.4	67.38	61-128
55 2,4-Dinitrotoluene	100	87.9	87.94	72-131
56 Fluorene	100	87.3	87.31	60-113
57 4-Chlorophenyl phe	100	88.1	88.08	35-150
58 Diethyl phthalate	100	80.5	80.48	35-150
59 4-Nitroaniline	100	74.0	73.96	35-150
60 4,6-Dinitro-2-meth	100	91.8	91.82	35-150
61 N-Ndpa / diphenyla	100	98.8	98.81	35-150
62 1,2-Diphenylhydraz	100	70.8	70.79	35-150
63 4-Bromophenyl phen	100	91.6	91.61	35-150
64 Hexachlorobenzene	100	76.2	76.19	35-150
65 Pentachlorophenol	100	78.2	78.25	71-122
66 Phenanthrene	100	89.2	89.23	65-108
67 Anthracene	100	86.5	86.46	67-114
68 Carbazole	100	83.0	83.01	35-150
69 Di-n-butyl phthala	100	84.4	84.45	35-150
70 Fluoranthene (ccc)	100	93.3	93.30	65-115
71 Pyrene	100	99.4	99.43	67-114
72 Butyl benzyl phtha	100	83.4	83.40	35-150
73 Benzo(a)Anthracene	100	88.6	88.59	70-114
74 3,3'-Dichlorobenzi	100	64.2	64.22	35-150
75 Chrysene	100	88.8	88.76	68-111
76 Bis(2-ethylhexyl)	100	89.2	89.25	35-150
77 Di-n-octyl phthala	100	85.5	85.52	35-150
78 Benzo(b)fluoranthe	100	77.0	77.04	60-120
79 Benzo(k)fluoranthe	100	90.3	90.26	61-119
80 Benzo(a)pyrene (cc	100	85.9	85.87	67-111
81 Indeno(1,2,3-cd)py	100	82.9	82.89	67-120
82 Dibenz(a,h)anthrac	100	80.0	79.97	71-120
83 Benzo(g,h,i)peryle	100	82.5	82.47	63-120

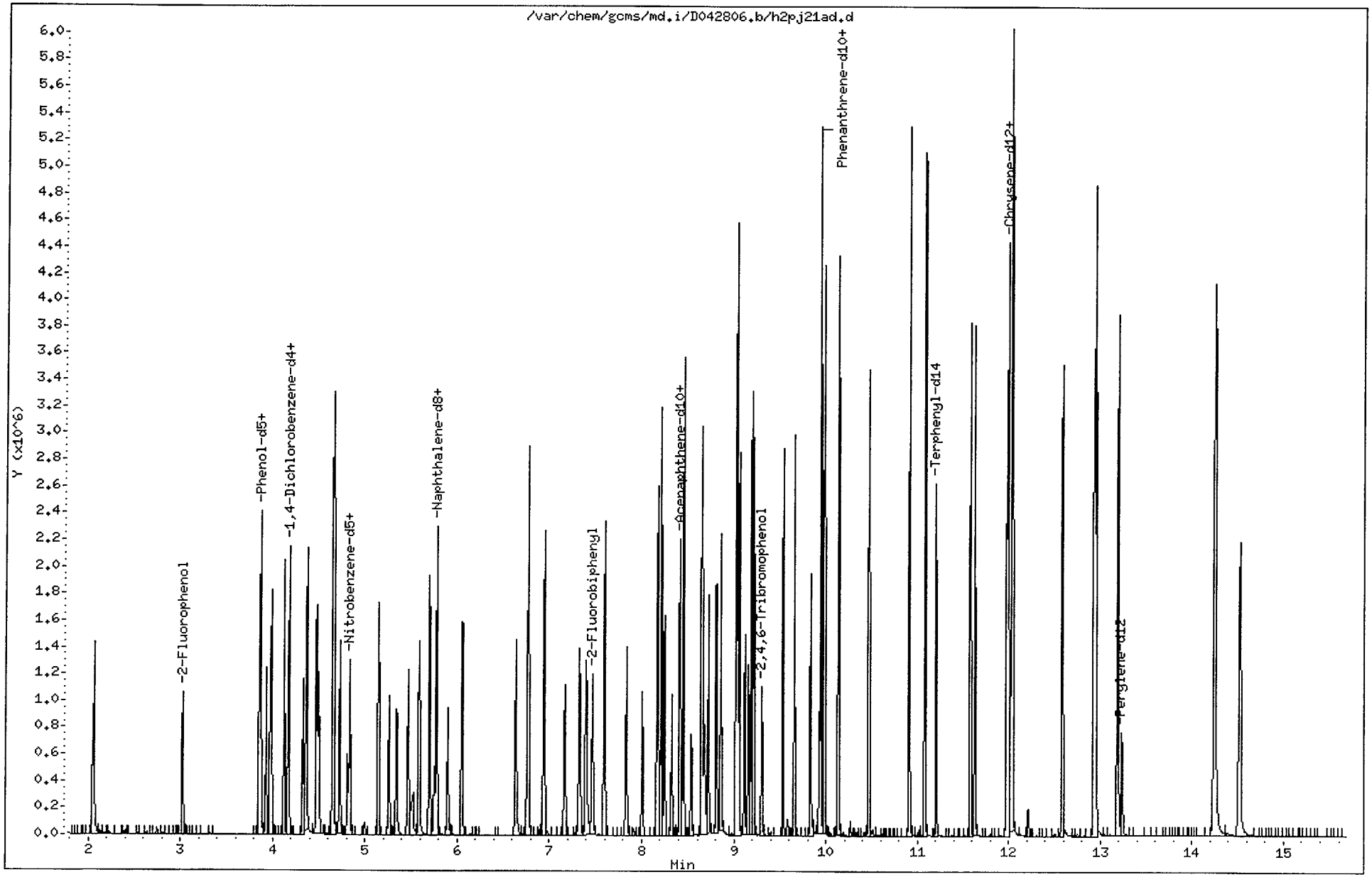
SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	50.6	67.44	0-100
$ 8 Phenol-d5	75.0	57.6	76.77	0-124

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Report Date: 28-Apr-2006 15:14

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	50.0	35.8	71.54	0-104
$ 10 2-Fluorobiphenyl	50.0	43.0	86.07	0-103
$ 11 2,4,6-Tribromophen	75.0	55.8	74.46	0-130
$ 12 Terphenyl-d14	50.0	41.1	82.29	0-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pj21ad.d
Date : 28-APR-2006 14:57
Client ID: INTRA-LAB CHECK
Sample Info: H2PJ21AD,,3,,,DUP,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-187

Prep Date.....: 04/06/06
Analysis Date..: 04/28/06 **Prep Batch #...:** 6096187
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug	SW846 8270C
Acenaphthylene	ND	10	ug	SW846 8270C
Acetophenone	ND	10	ug	SW846 8270C
Aniline	ND	20	ug	SW846 8270C
Anthracene	ND	10	ug	SW846 8270C
Benzaldehyde	ND	10	ug	SW846 8270C
Benzidine	ND	100	ug	SW846 8270C
Benzo(a)anthracene	ND	10	ug	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug	SW846 8270C
Benzoic acid	ND	100	ug	SW846 8270C
Benzonitrile	ND	10	ug	SW846 8270C
Benzo(ghi)perylene	ND	10	ug	SW846 8270C
Benzo(a)pyrene	ND	10	ug	SW846 8270C
Benzyl alcohol	ND	100	ug	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	20	ug	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug	SW846 8270C
Butyl benzyl phthalate	ND	10	ug	SW846 8270C
Carbazole	ND	10	ug	SW846 8270C
4-Chloroaniline	ND	20	ug	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug	SW846 8270C
2-Chloronaphthalene	ND	10	ug	SW846 8270C
2-Chlorophenol	ND	10	ug	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug	SW846 8270C
Chrysene	ND	10	ug	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug	SW846 8270C
Dibenzofuran	ND	10	ug	SW846 8270C
Di-n-butyl phthalate	ND	20	ug	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug	SW846 8270C
2,4-Dichlorophenol	ND	10	ug	SW846 8270C
Diethyl phthalate	ND	10	ug	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	10	ug	SW846 8270C
Dimethyl phthalate	ND	10	ug	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug	SW846 8270C
2,4-Dinitrophenol	ND	50	ug	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug	SW846 8270C
Di-n-octyl phthalate	ND	10	ug	SW846 8270C
Diphenylamine	ND	10	ug	SW846 8270C
1,2-Diphenylhydrazine	ND	10	ug	SW846 8270C
Fluoranthene	ND	10	ug	SW846 8270C
Fluorene	ND	10	ug	SW846 8270C
Hexachlorobenzene	ND	10	ug	SW846 8270C
Hexachlorobutadiene	ND	10	ug	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug	SW846 8270C
Hexachloroethane	ND	10	ug	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug	SW846 8270C
Isophorone	ND	10	ug	SW846 8270C
2-Methylnaphthalene	ND	10	ug	SW846 8270C
2-Methylphenol	ND	10	ug	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug	SW846 8270C
Naphthalene	ND	10	ug	SW846 8270C
2-Nitroaniline	ND	50	ug	SW846 8270C
3-Nitroaniline	ND	50	ug	SW846 8270C
4-Nitroaniline	ND	50	ug	SW846 8270C
Nitrobenzene	ND	10	ug	SW846 8270C
2-Nitrophenol	ND	10	ug	SW846 8270C
4-Nitrophenol	ND	50	ug	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug	SW846 8270C
Pentachlorobenzene	ND	10	ug	SW846 8270C
Pentachloronitrobenzene	ND	50	ug	SW846 8270C
Pentachlorophenol	ND	50	ug	SW846 8270C
Phenanthrene	ND	10	ug	SW846 8270C
Phenol	ND	10	ug	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug	SW846 8270C
Pyrene	ND	10	ug	SW846 8270C
Pyridine	ND	20	ug	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	52	(19 - 100)
Phenol-d5	56	(15 - 124)
Nitrobenzene-d5	56	(35 - 122)
2-Fluorobiphenyl	72	(34 - 115)
2,4,6-Tribromophenol	65	(33 - 130)
Terphenyl-d14	78	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL Knoxville - ACS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: H6D060000-187 B **Work Order #:** H2PJ51AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
2-Pentanol, 4-methyl-	108-11-2	4.3 NJ	M	2.1435	ug

NOTE(S):

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

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Lab Smp Id: H2PJ51AA
Client Smp ID: INTRA-LAB BLANK
Inj Date : 28-APR-2006 10:40
Operator : 60841
Inst ID: md.i
Smp Info : H2PJ51AA,,3,,,BLK,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:05 mcgeek
Quant Type: ISTD
Cal Date : 27-APR-2006 15:00
Cal File: bbdd271.d
Als bottle: 5
QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: westatesc13.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	69702	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	228628	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	157174	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	275356	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	291886	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	276088	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	188901	38.7537	38.8
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	245069	41.6799	41.7
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	145564	28.2450	28.2
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	371019	35.8069	35.8
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	85264	48.8333	48.8
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	551190	38.8246	38.8
$ 179 13C6-naphthalene	134	5.745	5.775	(1.000)	22366	1.51925	~~1.52(R)~~ NA

KRM 5/1/06

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Report Date: 01-May-2006 10:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
34 Benzoic acid	122	5.487	5.504	(0.955)	61848	23.8168	23.8
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	4904	1.60059	~~1.60~~
84 Benzidine	184	11.204	11.016	(1.129)	6295	0.55783	~~0.558~~
184 Benzaldehyde	105	3.742	3.742	(0.900)	5290	1.66189	1.66
185 Benzonitrile	103	3.971	3.935	(0.955)	9787	1.37294	~~1.37~~

QC Flag Legend

KRM 5/1/06

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pj51aa.d
Lab Smp Id: H2PJ51AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	69702	13.31
2 Naphthalene-d8	201763	100882	403526	228628	13.32
3 Acenaphthene-d10	143273	71636	286546	157174	9.70
4 Phenanthrene-d10	247023	123512	494046	275356	11.47
5 Chrysene-d12	265356	132678	530712	291886	10.00
6 Perylene-d12	233795	116898	467590	276088	18.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Report Date: 01-May-2006 10:06

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PJ51AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westatesc13.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB BLANK
Operator: 60841
SampleType: METHOD BLANK
Quant Type: ISTD

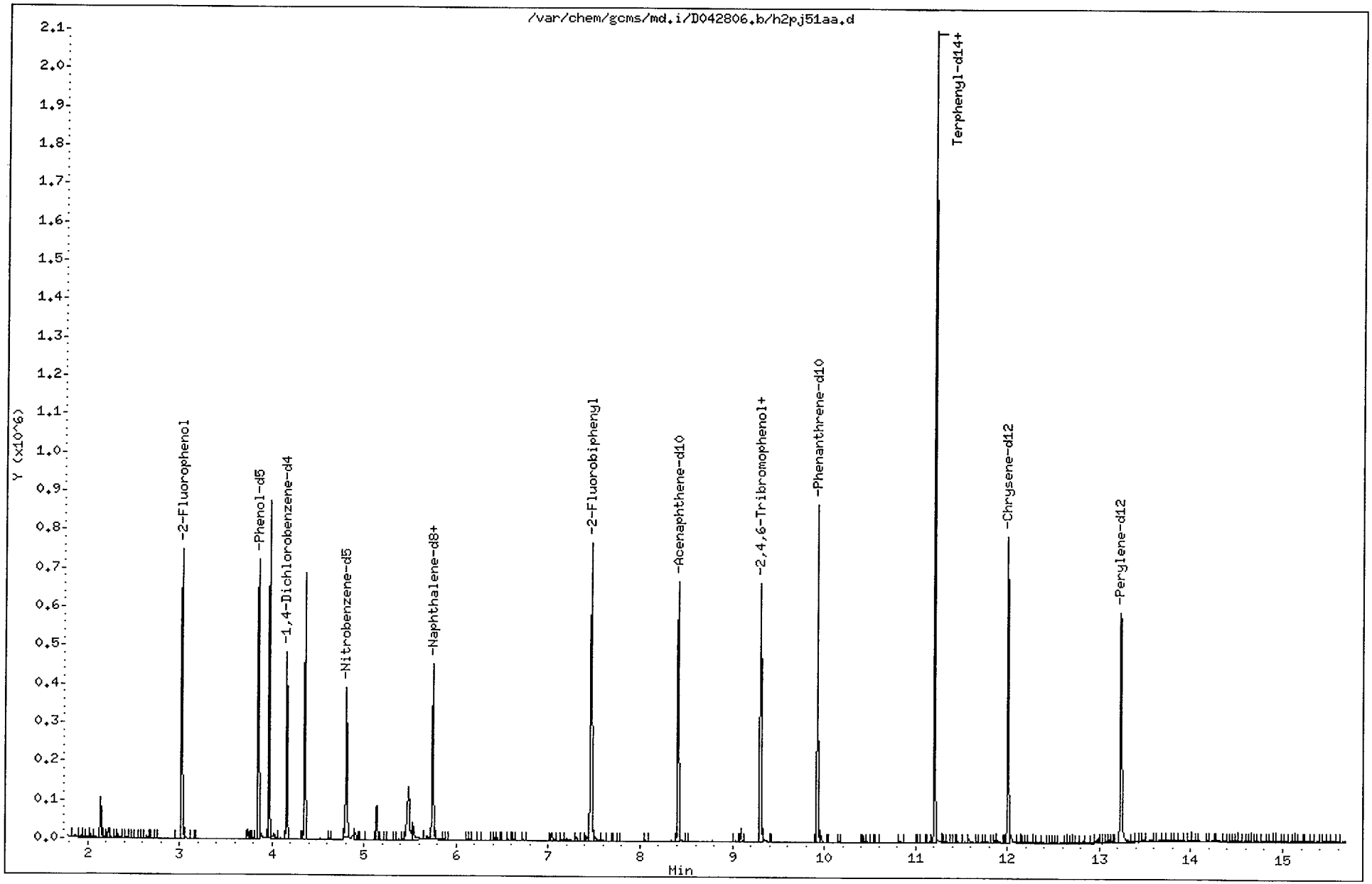
SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	38.8	51.67	19-100
$ 8 Phenol-d5	75.0	41.7	55.57	15-124
$ 9 Nitrobenzene-d5	50.0	28.2	56.49	42-104
$ 10 2-Fluorobiphenyl	50.0	35.8	71.61	51-103
$ 11 2,4,6-Tribromophen	75.0	48.8	65.11	33-130
$ 12 Terphenyl-d14	50.0	38.8	77.65	58-122
$ 179 13C6-naphthalene	~~100~~	~~1.52~~	~~1.52*~~	~~50-150~~ NA

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Date : 28-APR-2006 10:40
Client ID: INTRA-LAB BLANK
Sample Info: H2PJ51AA,,3,,,BLK,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d

Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

Volume Injected (uL): 1.0

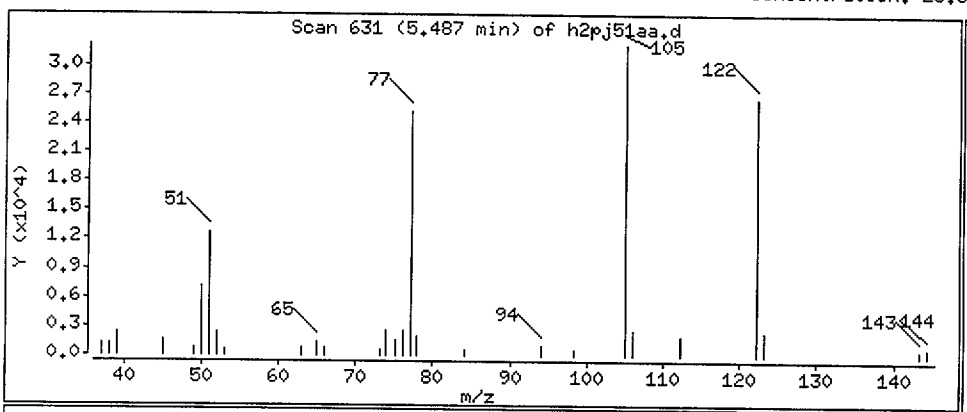
Operator: 60841

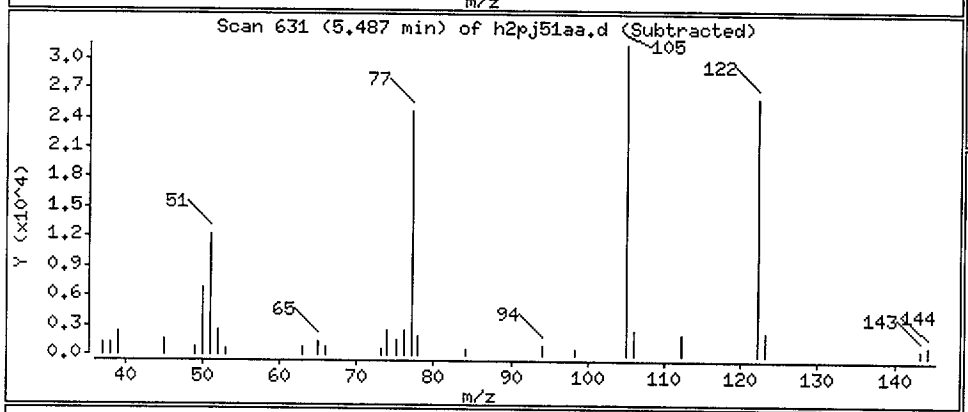
Column phase: ZB-5

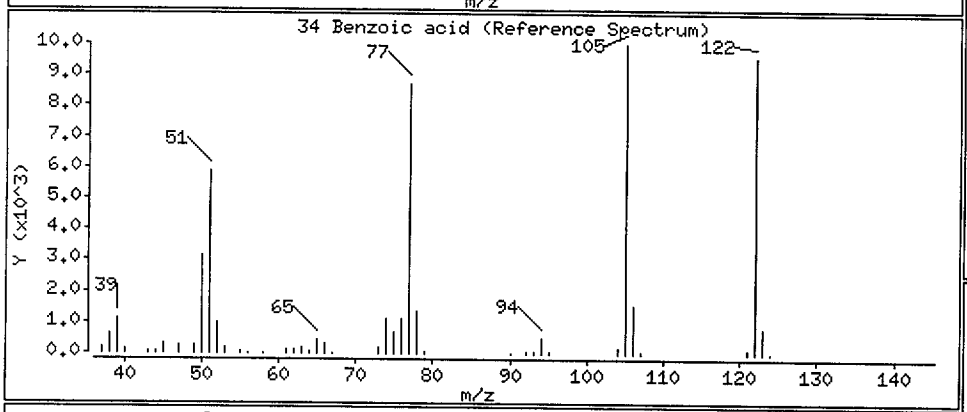
Column diameter: 0.25

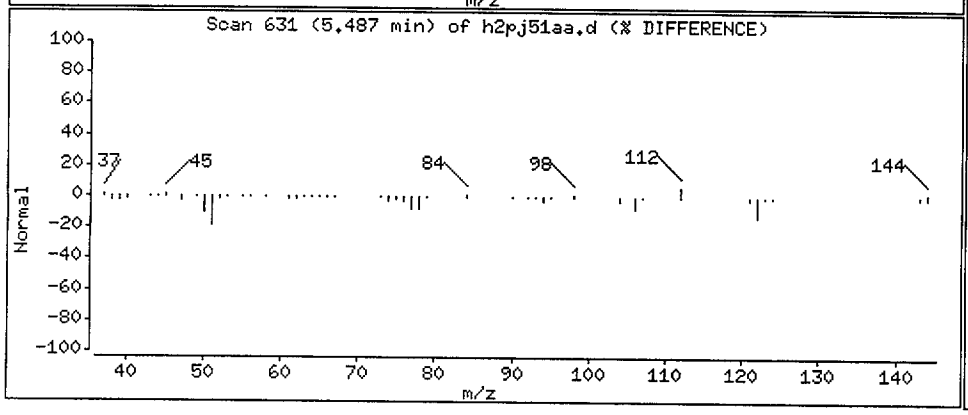
34 Benzoic acid

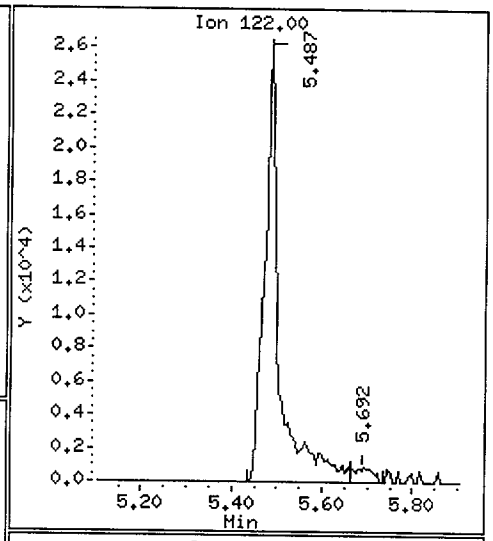
Concentration: 23.8 ug

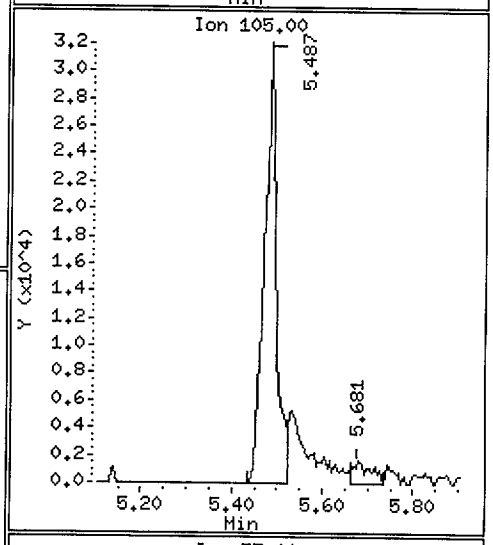


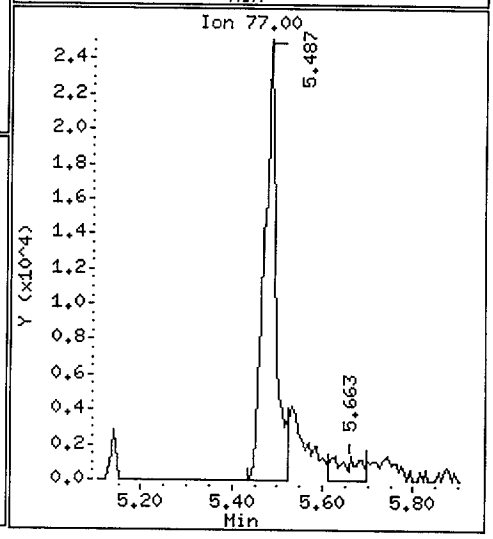












Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d

Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

Volume Injected (uL): 1.0

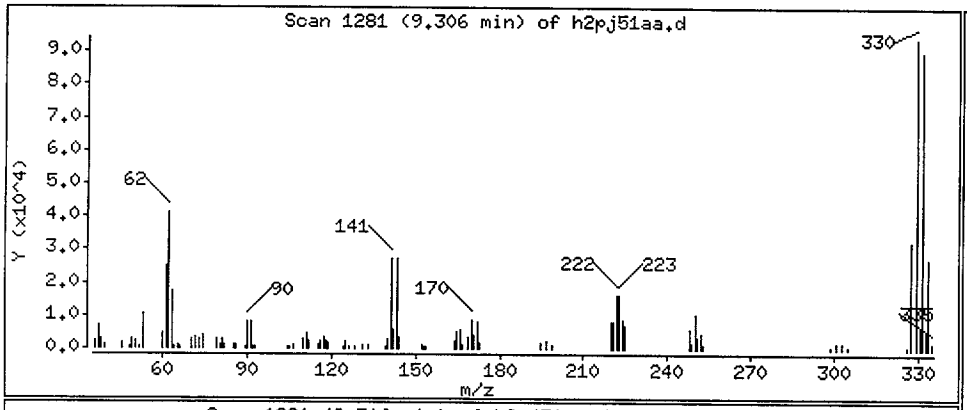
Operator: 60841

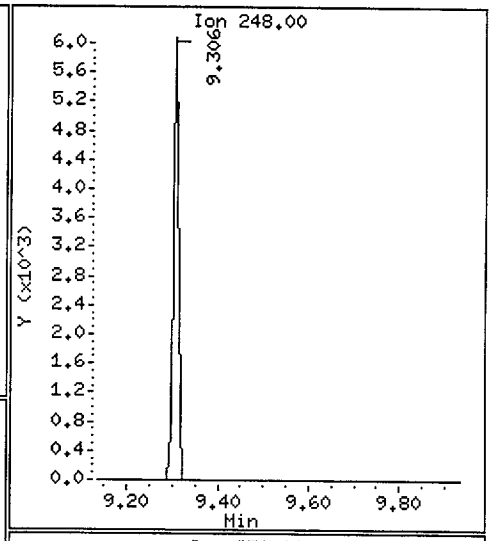
Column phase: ZB-5

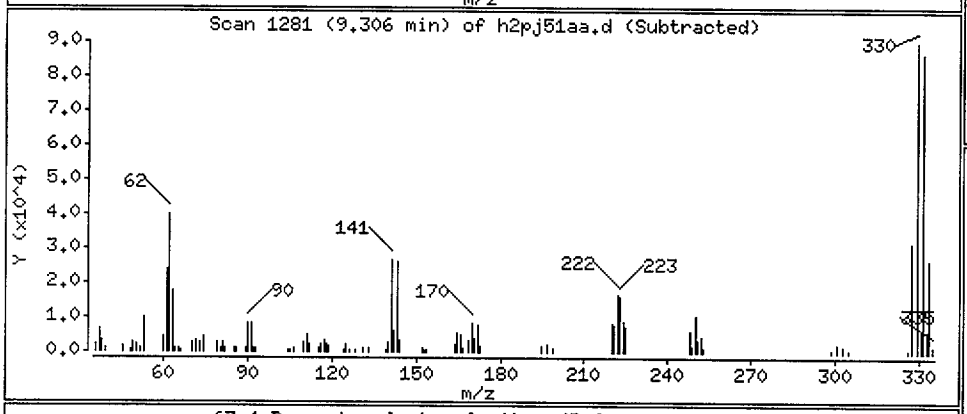
Column diameter: 0.25

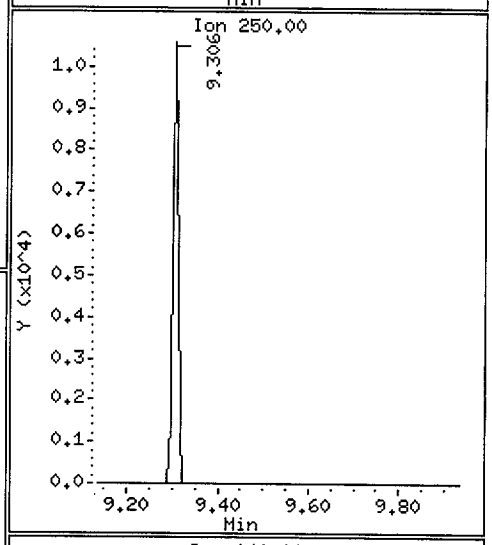
63 4-Bromophenyl phenyl ether

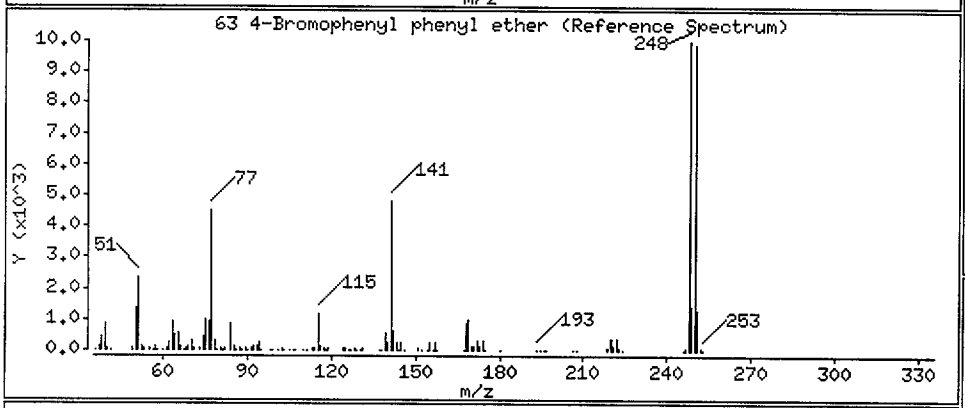
Concentration: 1.60 ug

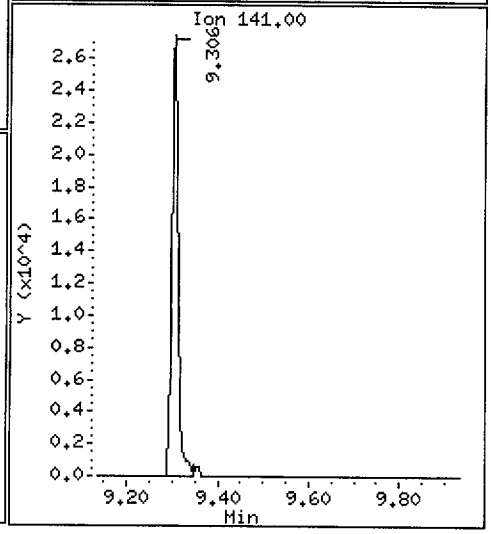


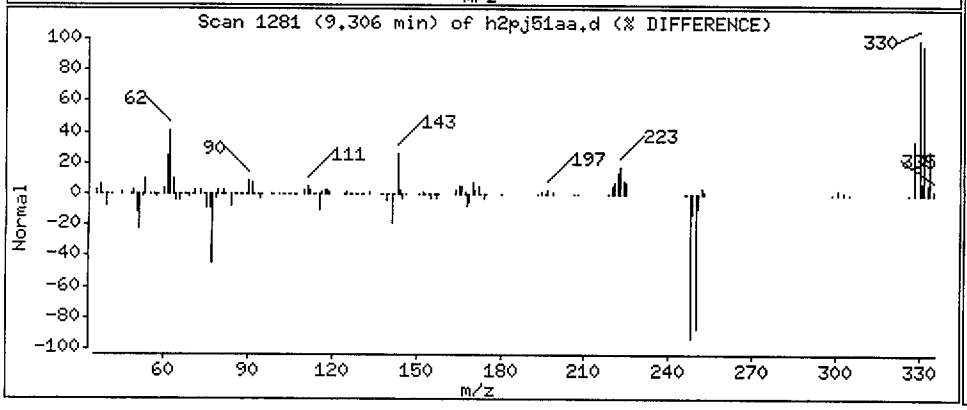












Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d

Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

Volume Injected (uL): 1.0

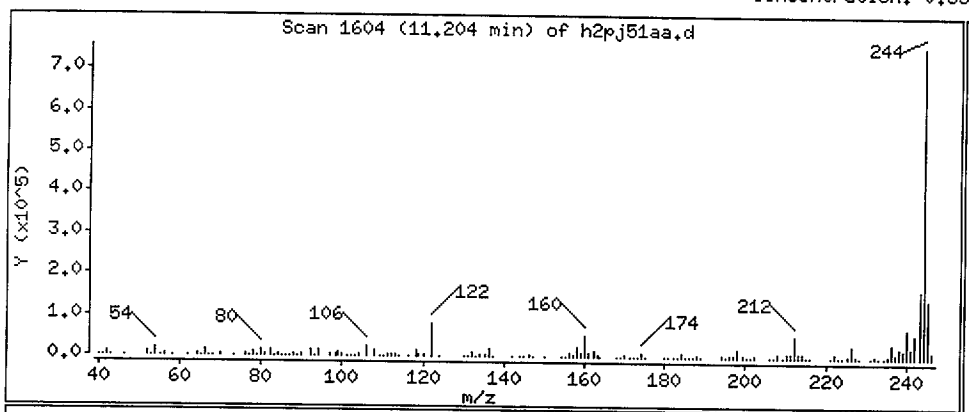
Operator: 60841

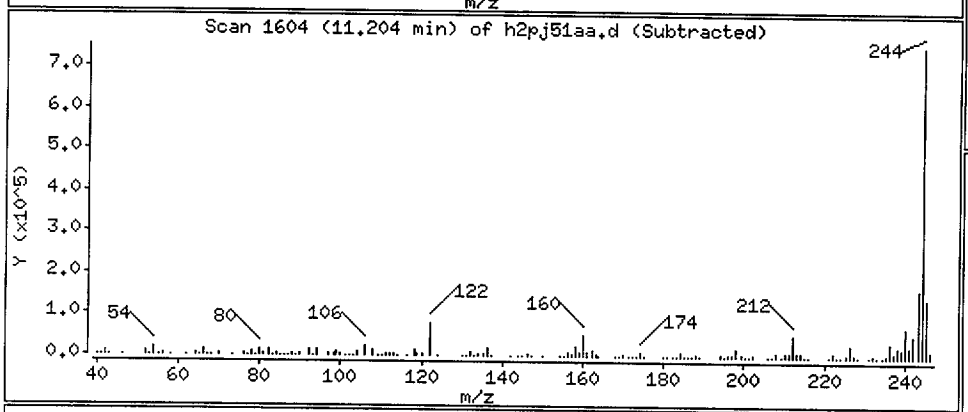
Column phase: ZB-5

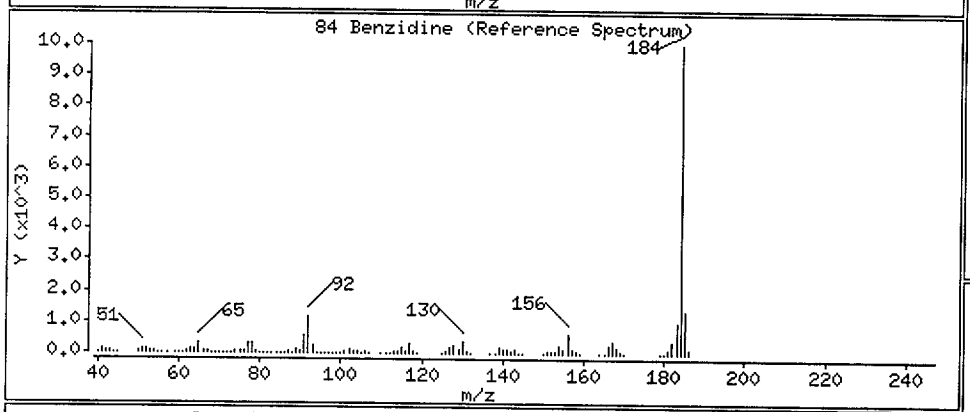
Column diameter: 0.25

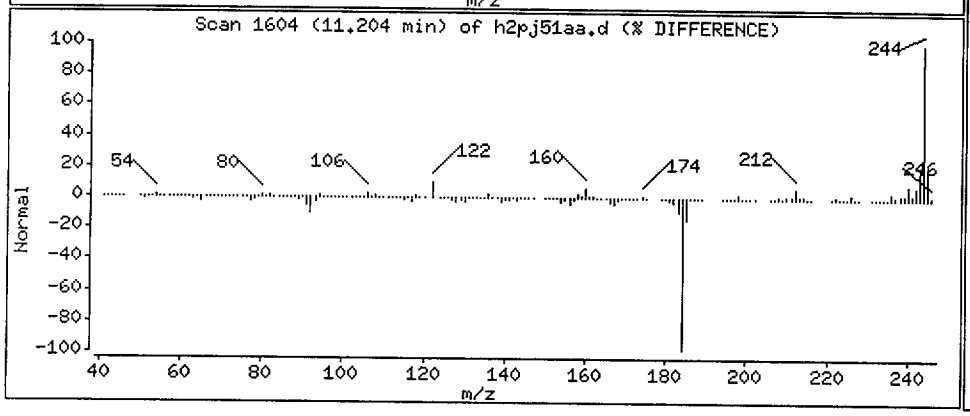
84 Benzidine

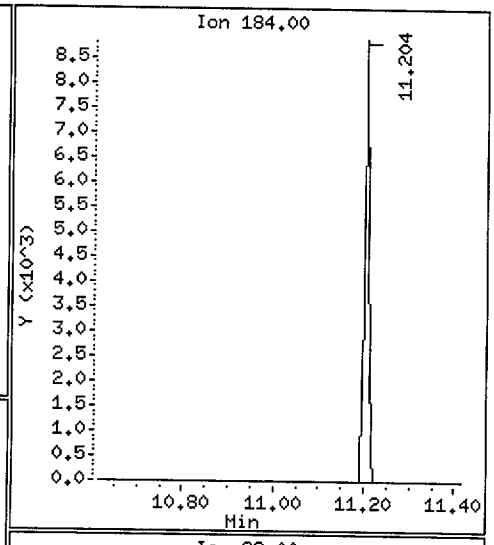
Concentration: 0.558 ug

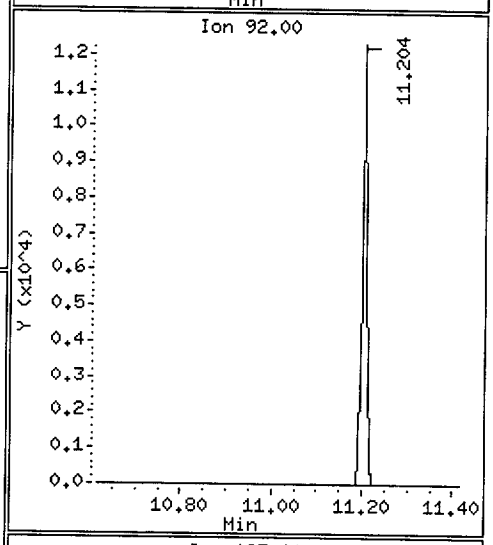


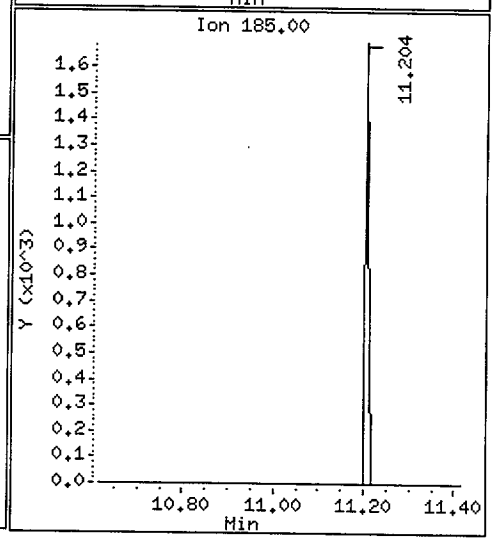












Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d

Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

Volume Injected (uL): 1.0

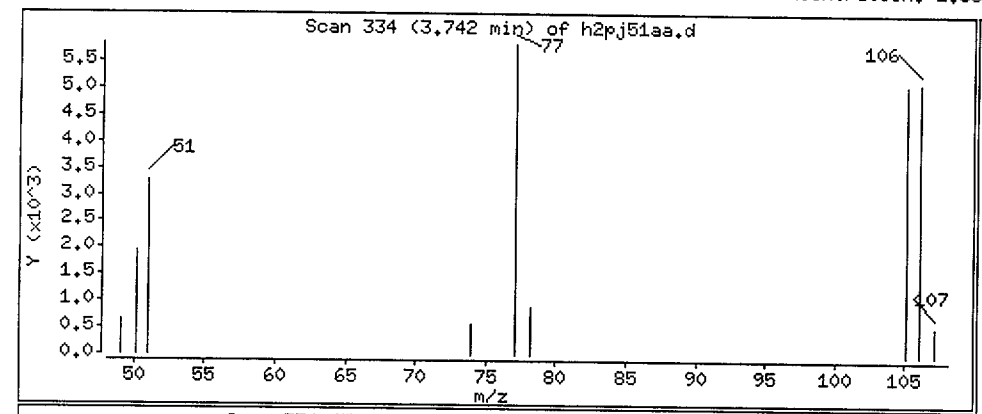
Operator: 60841

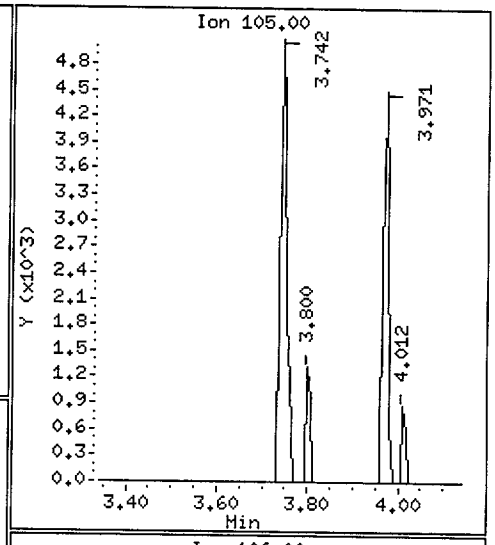
Column phase: ZB-5

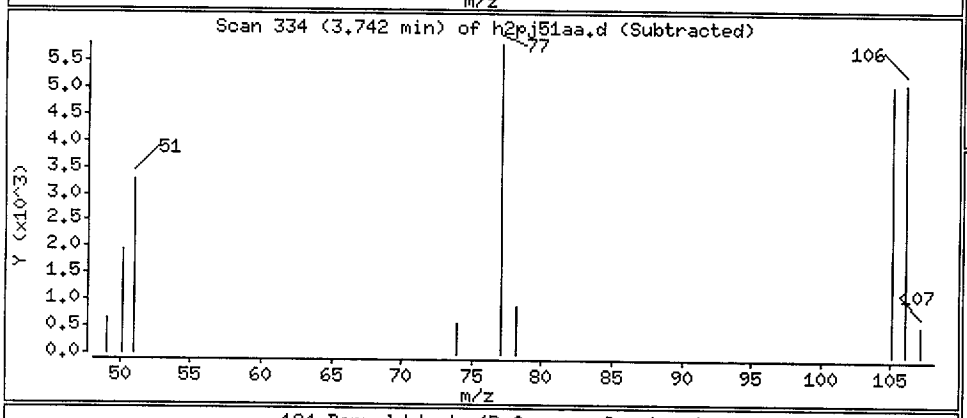
Column diameter: 0.25

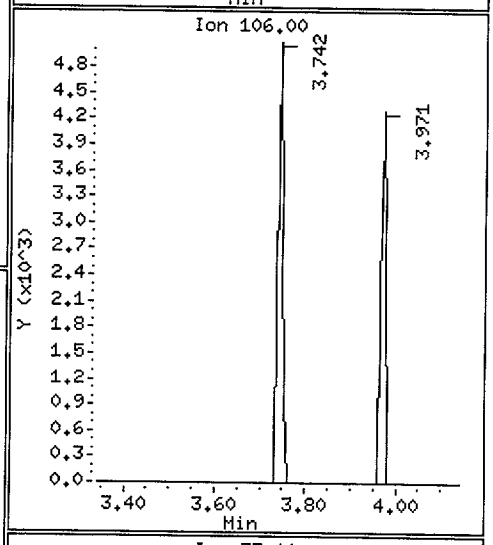
184 Benzaldehyde

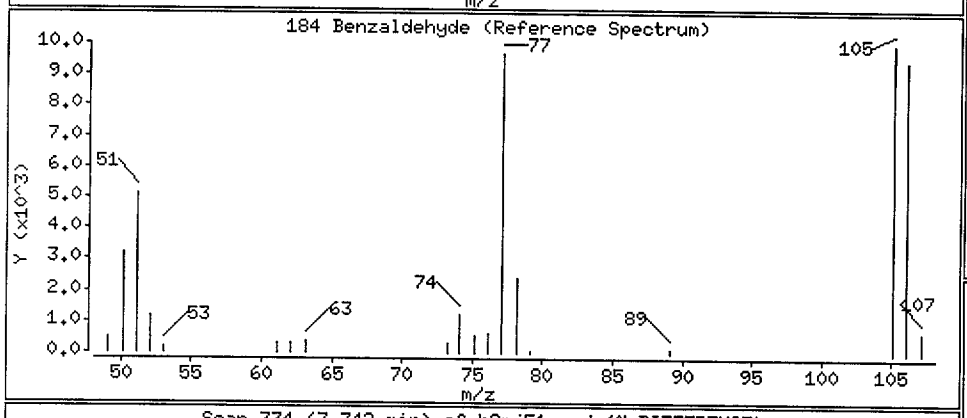
Concentration: 1.66 ug

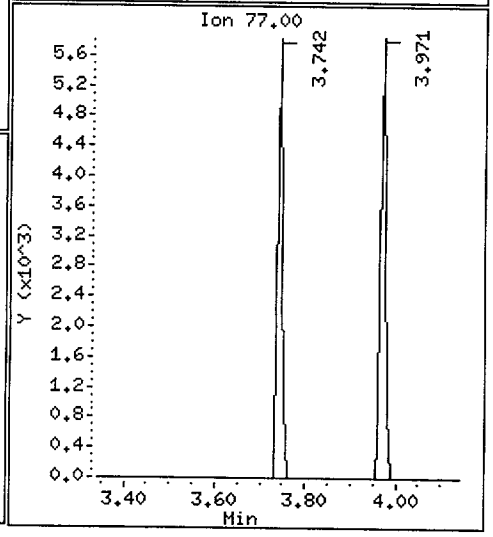


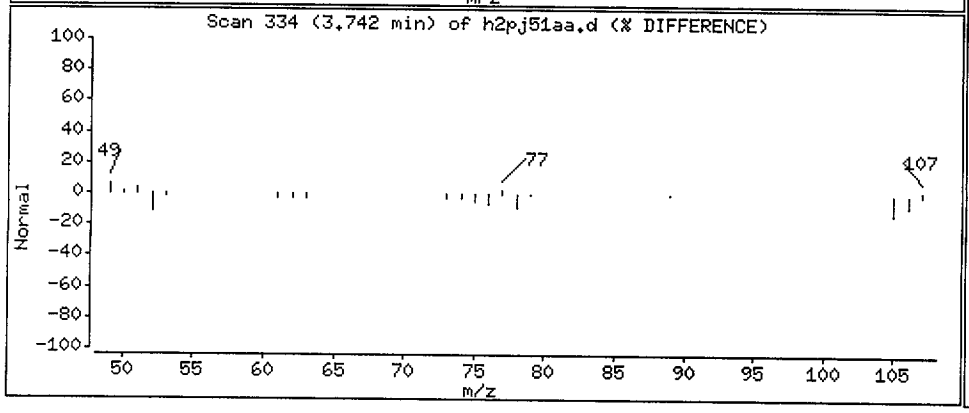












Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d

Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

Volume Injected (uL): 1.0

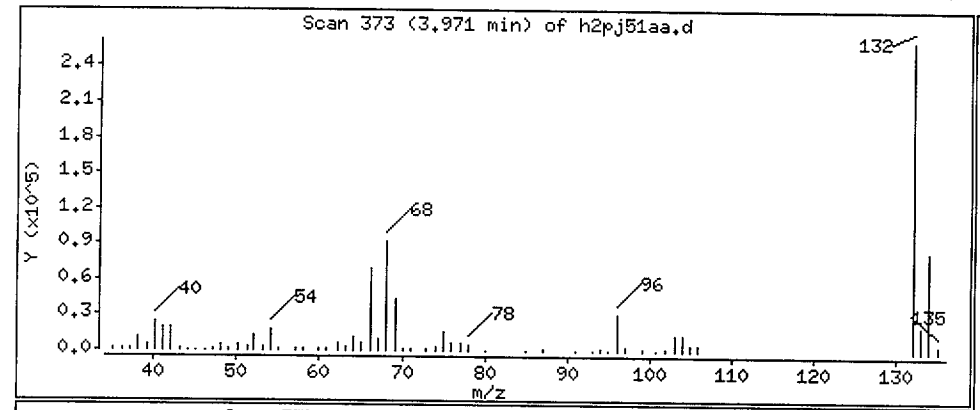
Operator: 60841

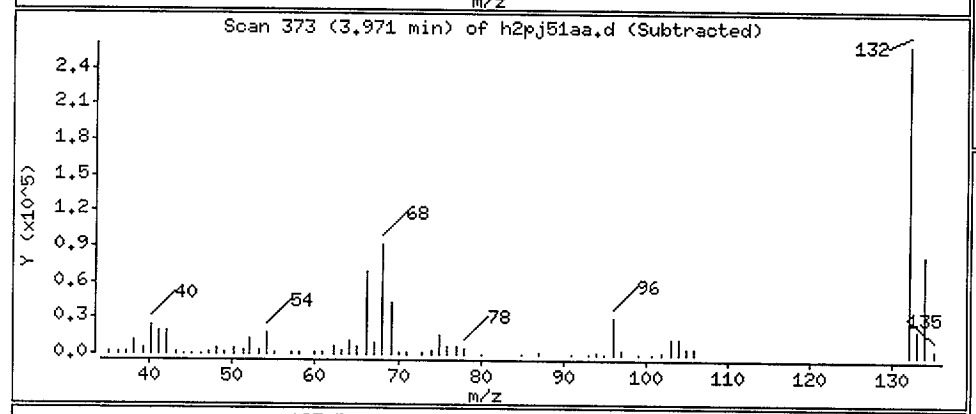
Column phase: ZB-5

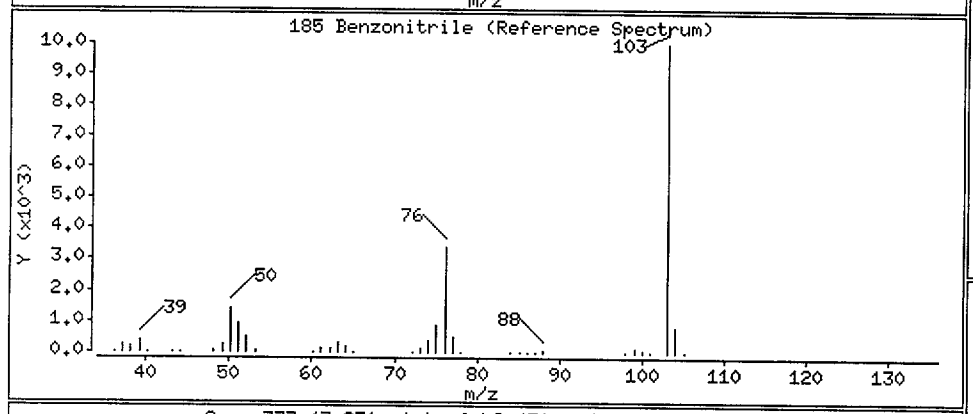
Column diameter: 0.25

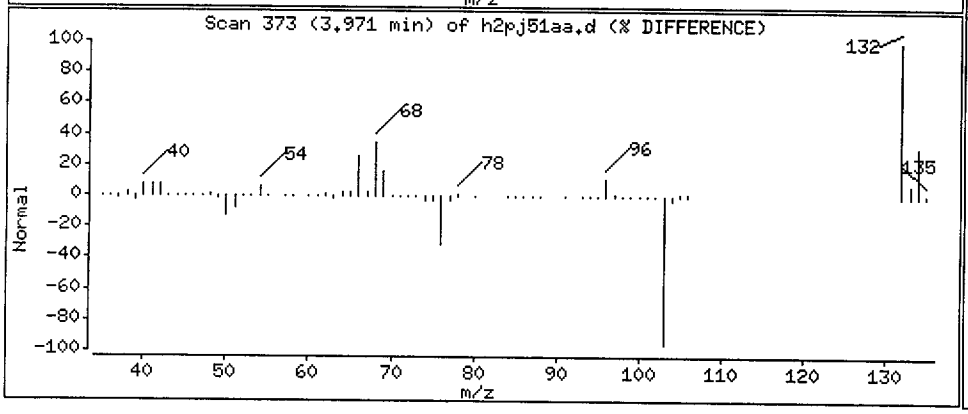
185 Benzonitrile

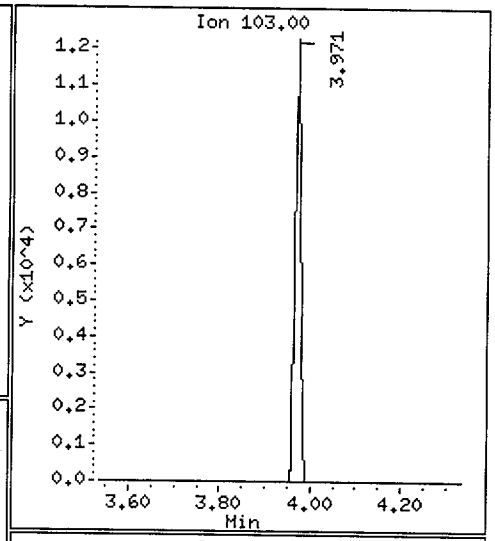
Concentration: 1.37 ug

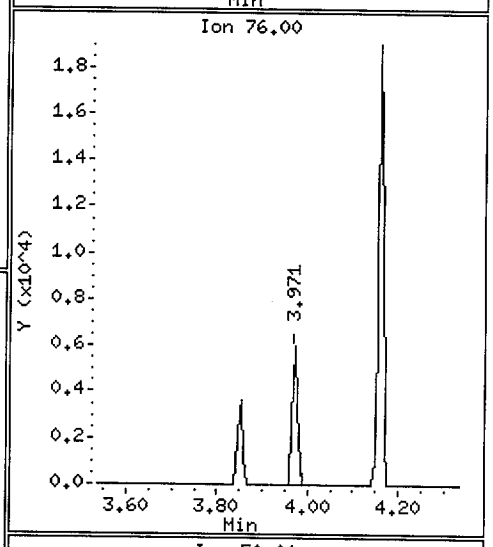


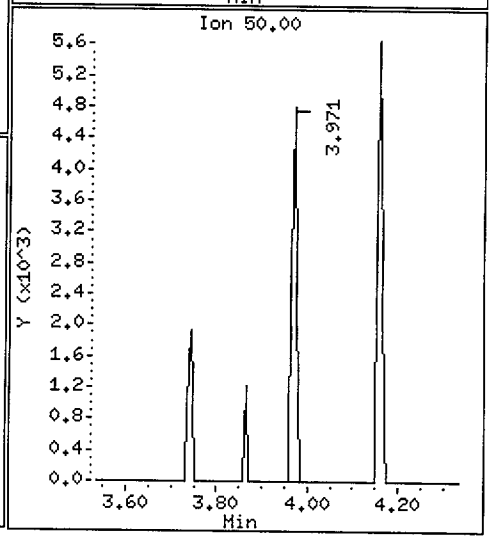












Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Report Date: 01-May-2006 10:50

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Lab Smp Id: H2PJ51AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 28-APR-2006 10:40
Operator : 60841 Inst ID: md.i
Smp Info : H2PJ51AA,,3,,,BLK,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 01-May-2006 10:50 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 5 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westatesc13.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	482607	20.000

	CONCENTRATIONS				QUANT			
	RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
2-Pentanol, 4-methyl-					CAS #: 108-11-2			
	2.144	104828	4.34423869	4.34	78	NIST05.1	4341	1
3-Chloro-6-fluoro-pyrazine					CAS #: 1000146-10-7			
	3.971	872858	36.1726208	36.2	35	NIST05.1	13697	1

5

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d
Report Date: 01-May-2006 10:50

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	======	==========	==========	====	=======	=========	======
1,4-Dichlorobenzene-D4					CAS #: 3855-82-1		
4.353	688725	28.5418570	28.5	95	NIST05.1	23150	1

S

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d

Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

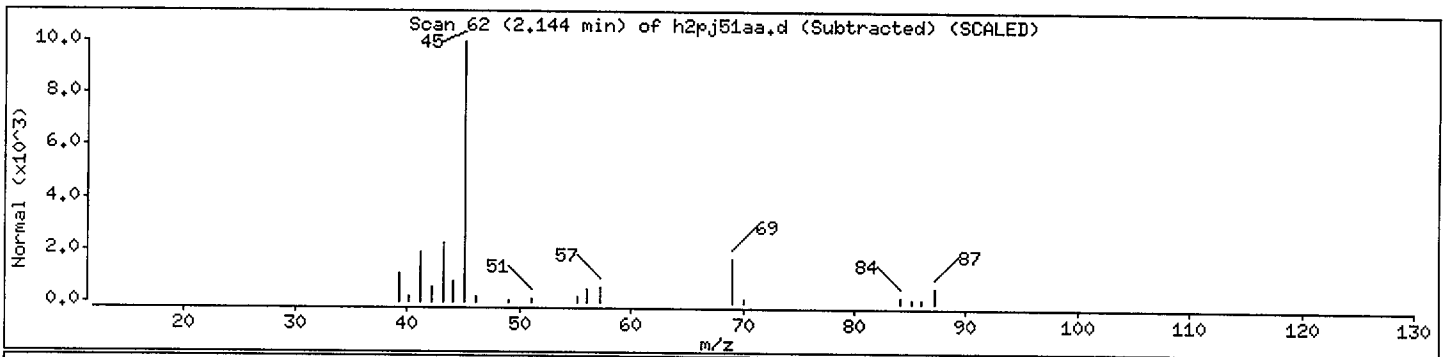
Volume Injected (uL): 1.0

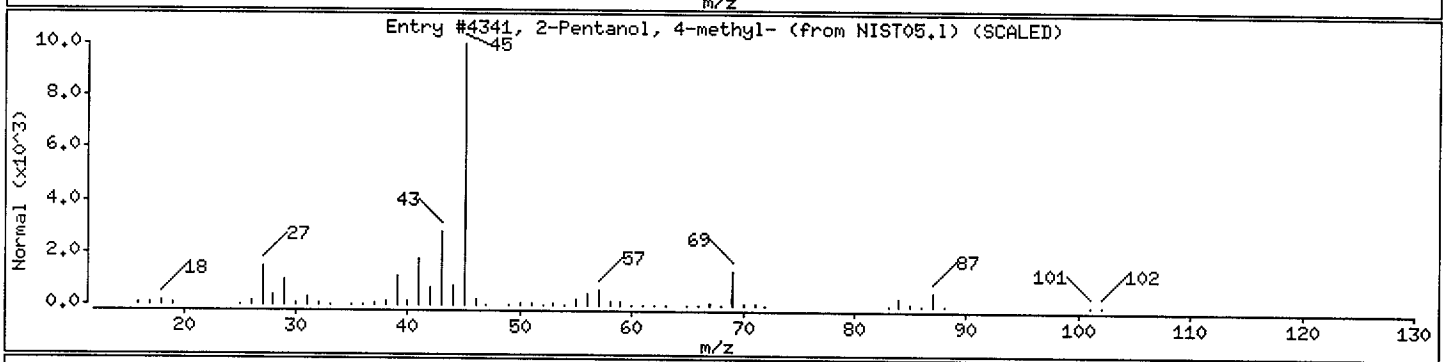
Operator: 60841

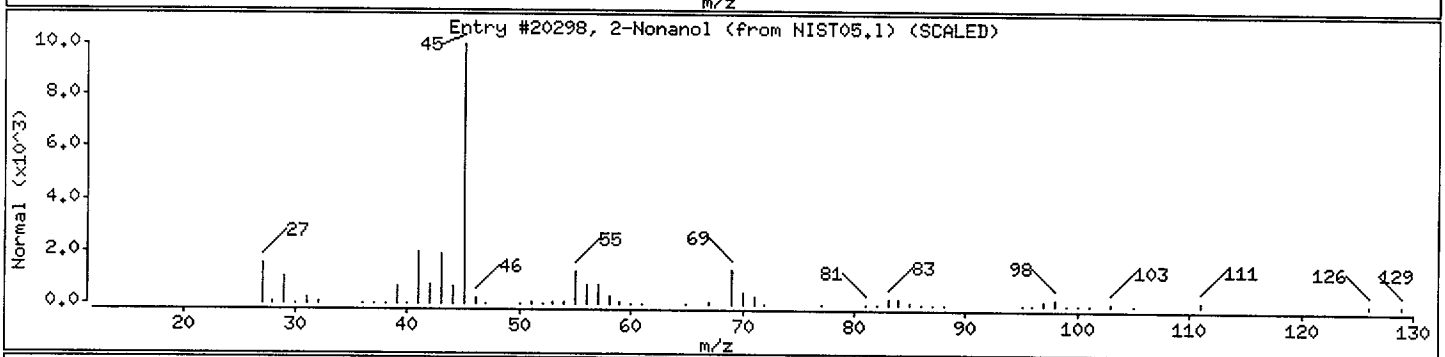
Column phase: ZB-5

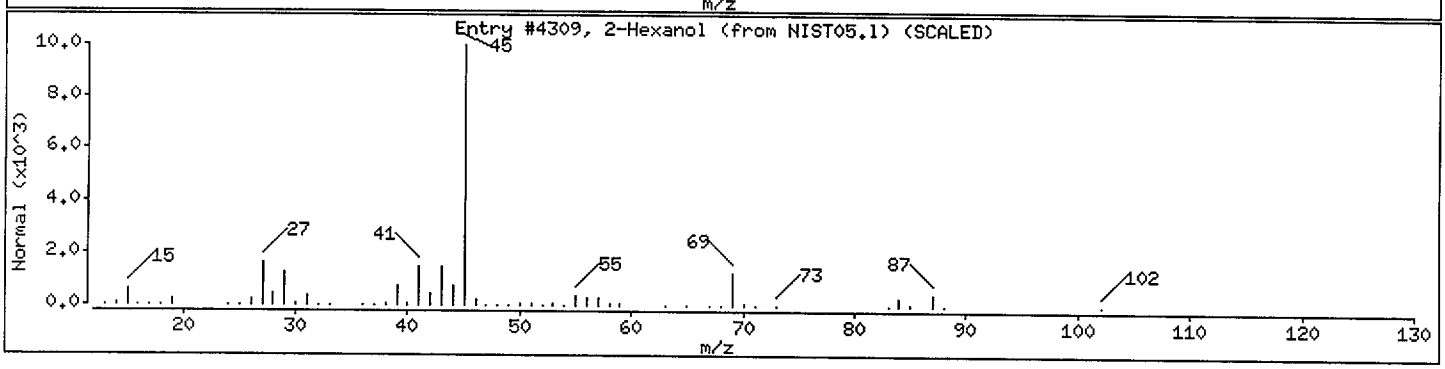
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanol, 4-methyl-	108-11-2	NIST05.1	4341	78	C6H14O	102
2-Nonanol	628-99-9	NIST05.1	20298	78	C9H20O	144
2-Hexanol	626-93-7	NIST05.1	4309	78	C6H14O	102









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Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

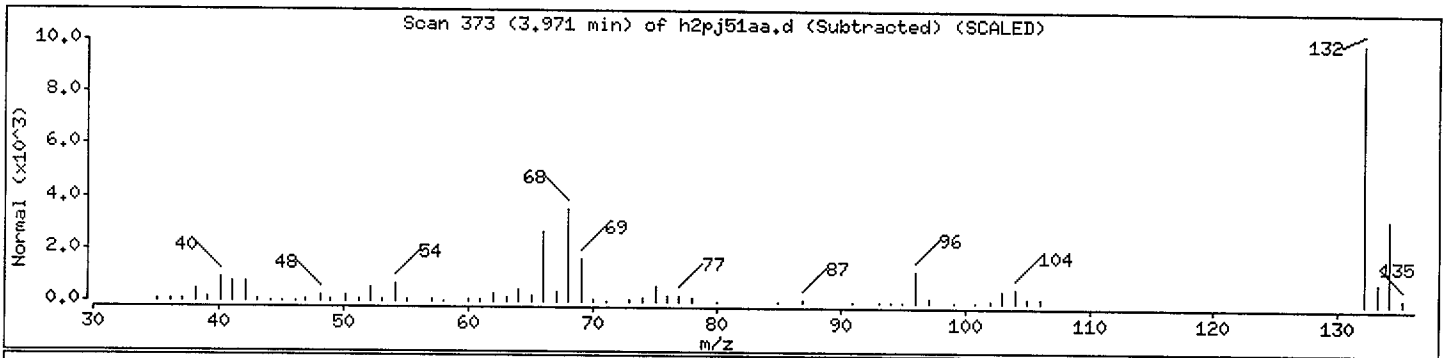
Volume Injected (uL): 1.0

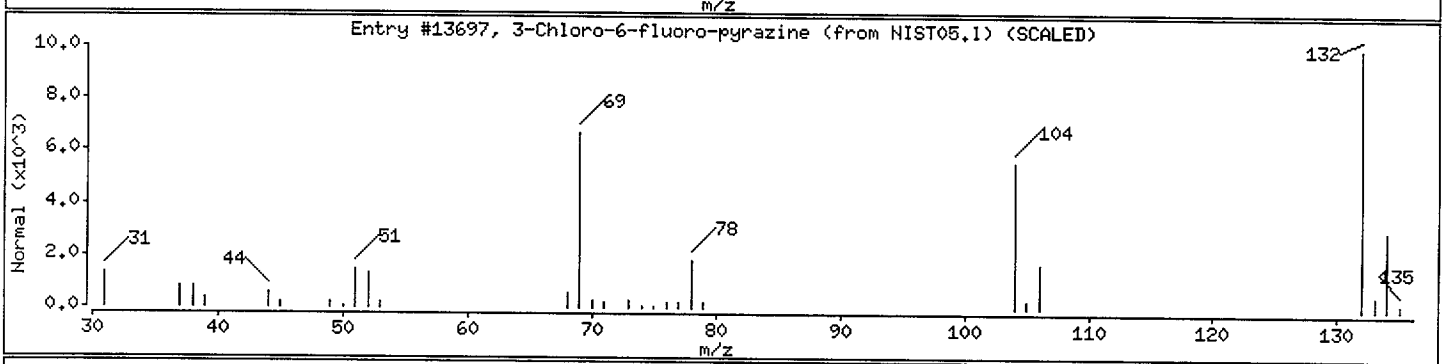
Operator: 60841

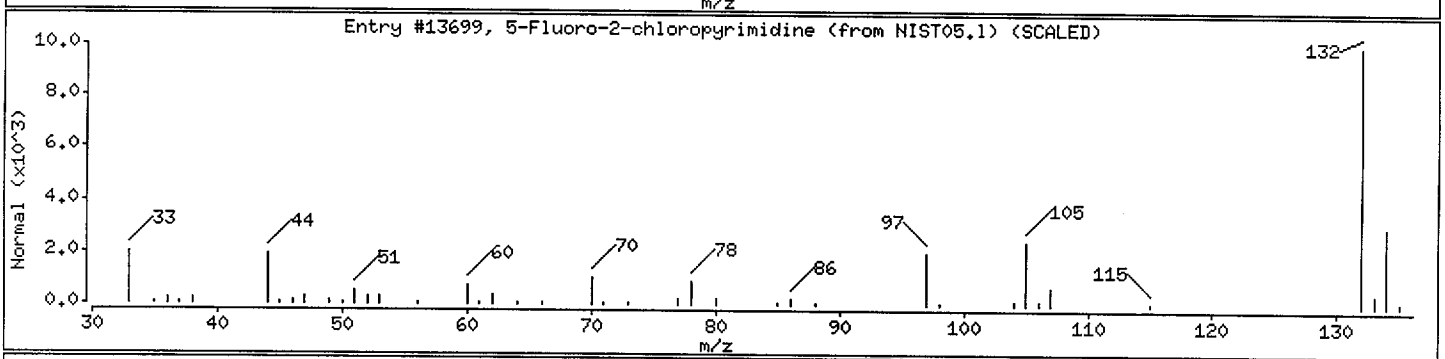
Column phase: ZB-5

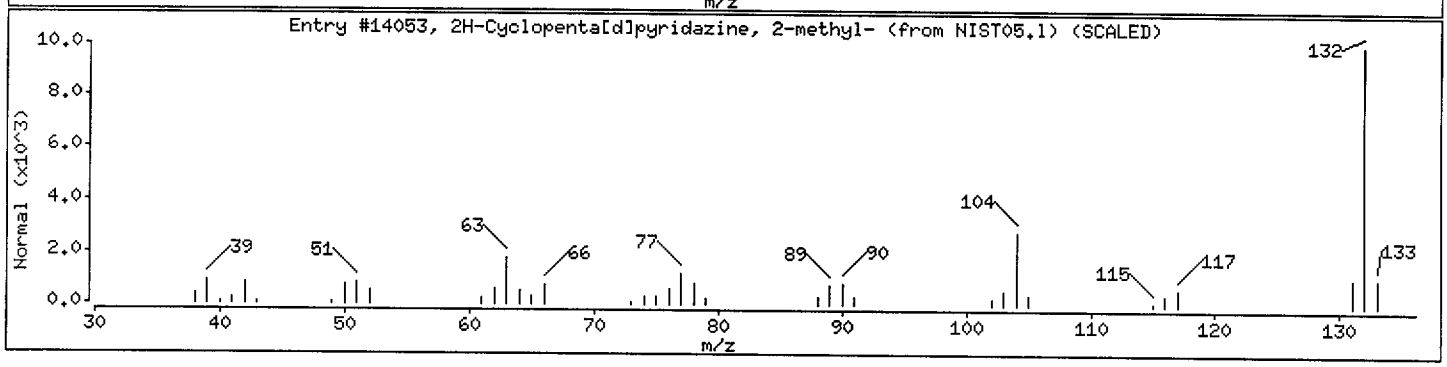
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Chloro-6-fluoro-pyrazine	1000146-10-7	NIST05.1	13697	35	C4H2ClFN2	132
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	25	C4H2ClFN2	132
2H-Cyclopenta[d]pyridazine, 2-methyl-	22291-85-6	NIST05.1	14053	22	C8H8N2	132









Data File: /var/chem/gcms/md.i/D042806.b/h2pj51aa.d

Date : 28-APR-2006 10:40

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PJ51AA,,3,,,BLK,

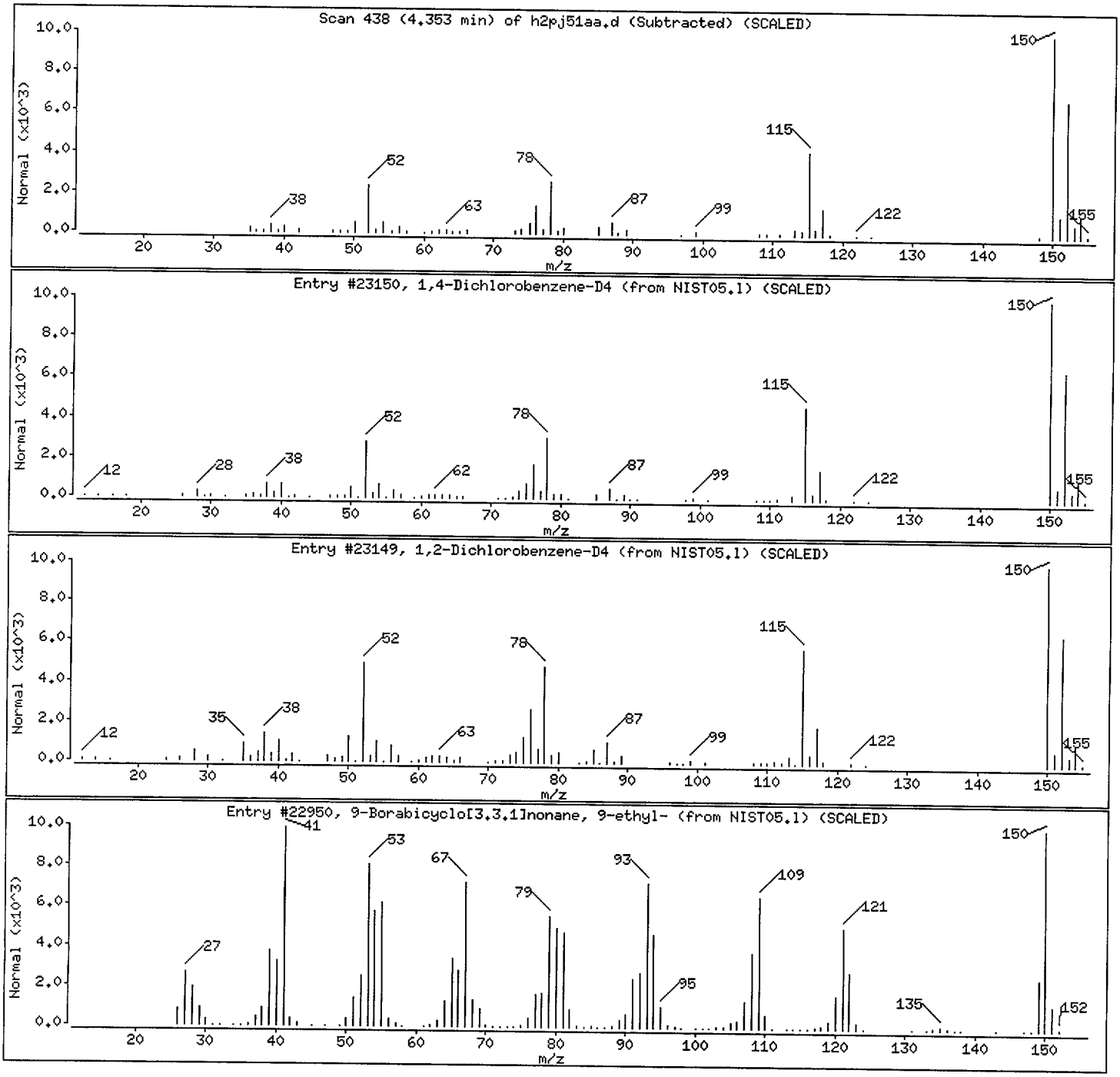
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	95	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	38	C10H19B	150



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**82**	**(66 - 113)**			**SW846 8270C**
	86	**(66 - 113)**	**4.7**	**(0-35)**	**SW846 8270C**
Acenaphthylene	84	(64 - 110)			SW846 8270C
	87	(64 - 110)	3.4	(0-36)	SW846 8270C
Aniline	50	(34 - 148)			SW846 8270C
	52	(34 - 148)	4.9	(0-35)	SW846 8270C
Anthracene	86	(66 - 118)			SW846 8270C
	90	(66 - 118)	4.4	(0-39)	SW846 8270C
Benzo(a)anthracene	86	(61 - 124)			SW846 8270C
	91	(61 - 124)	4.7	(0-32)	SW846 8270C
Benzo(b)fluoranthene	75	(47 - 150)			SW846 8270C
	80	(47 - 150)	6.9	(0-43)	SW846 8270C
Benzo(k)fluoranthene	92	(39 - 139)			SW846 8270C
	87	(39 - 139)	5.4	(0-43)	SW846 8270C
Benzoic acid	98	(37 - 138)			SW846 8270C
	103	(37 - 138)	4.9	(0-31)	SW846 8270C
Benzo(ghi)perylene	84	(39 - 139)			SW846 8270C
	84	(39 - 139)	0.23	(0-30)	SW846 8270C
Benzo(a)pyrene	87	(55 - 128)			SW846 8270C
	88	(55 - 128)	0.80	(0-34)	SW846 8270C
Benzyl alcohol	82	(47 - 124)			SW846 8270C
	88	(47 - 124)	8.2	(0-33)	SW846 8270C
bis(2-Chloroethoxy) methane	69	(57 - 109)			SW846 8270C
	74	(57 - 109)	7.3	(0-35)	SW846 8270C
bis(2-Chloroethyl)-ether	74	(57 - 117)			SW846 8270C
	77	(57 - 117)	4.5	(0-39)	SW846 8270C
bis(2-Ethylhexyl) phthalate	88	(48 - 133)			SW846 8270C
	92	(48 - 133)	4.6	(0-36)	SW846 8270C
4-Bromophenyl phenyl ether	92	(72 - 137)			SW846 8270C
	96	(72 - 137)	4.9	(0-33)	SW846 8270C
Butyl benzyl phthalate	83	(49 - 124)			SW846 8270C
	85	(49 - 124)	2.4	(0-32)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	81	(38 - 150)			SW846 8270C
	84	(38 - 150)	4.4	(0-33)	SW846 8270C
4-Chloroaniline	43	(24 - 108)			SW846 8270C
	45	(24 - 108)	4.3	(0-33)	SW846 8270C
4-Chloro-3-methylphenol	**76**	**(63 - 114)**			**SW846 8270C**
	80	**(63 - 114)**	**5.3**	**(0-31)**	**SW846 8270C**
2-Chloronaphthalene	78	(66 - 113)			SW846 8270C
	82	(66 - 113)	5.0	(0-36)	SW846 8270C
2-Chlorophenol	**80**	**(59 - 108)**			**SW846 8270C**
	86	**(59 - 108)**	**6.4**	**(0-39)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	88	(67 - 119)			SW846 8270C
	91	(67 - 119)	3.6	(0-35)	SW846 8270C
Chrysene	89	(59 - 121)			SW846 8270C
	94	(59 - 121)	5.5	(0-34)	SW846 8270C
Dibenz(a,h)anthracene	81	(44 - 140)			SW846 8270C
	81	(44 - 140)	0.61	(0-24)	SW846 8270C
Dibenzofuran	86	(69 - 113)			SW846 8270C
	89	(69 - 113)	3.2	(0-34)	SW846 8270C
Di-n-butyl phthalate	83	(58 - 122)			SW846 8270C
	86	(58 - 122)	3.0	(0-30)	SW846 8270C
1,2-Dichlorobenzene	81	(46 - 101)			SW846 8270C
	88	(46 - 101)	8.1	(0-42)	SW846 8270C
1,3-Dichlorobenzene	82	(43 - 101)			SW846 8270C
	87	(43 - 101)	5.6	(0-37)	SW846 8270C
1,4-Dichlorobenzene	**83**	**(43 - 99)**			**SW846 8270C**
	87	**(43 - 99)**	**5.5**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	52	(16 - 100)			SW846 8270C
	57	(16 - 100)	9.0	(0-38)	SW846 8270C
2,4-Dichlorophenol	83	(63 - 114)			SW846 8270C
	88	(63 - 114)	6.0	(0-37)	SW846 8270C
Diethyl phthalate	80	(30 - 117)			SW846 8270C
	82	(30 - 117)	2.1	(0-31)	SW846 8270C
2,4-Dimethylphenol	39	(15 - 85)			SW846 8270C
	45	(15 - 85)	15	(0-40)	SW846 8270C
Dimethyl phthalate	82	(25 - 116)			SW846 8270C
	84	(25 - 116)	1.9	(0-32)	SW846 8270C
4,6-Dinitro-2-methylphenol	94	(59 - 136)			SW846 8270C
	97	(59 - 136)	2.7	(0-36)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	88	(47 - 150)			SW846 8270C
	92	(47 - 150)	4.2	(0-40)	SW846 8270C
2,4-Dinitrotoluene	**86**	**(71 - 122)**			**SW846 8270C**
	91	**(71 - 122)**	**4.6**	**(0-33)**	**SW846 8270C**
2,6-Dinitrotoluene	87	(68 - 119)			SW846 8270C
	89	(68 - 119)	1.8	(0-33)	SW846 8270C
Di-n-octyl phthalate	84	(42 - 140)			SW846 8270C
	83	(42 - 140)	0.60	(0-30)	SW846 8270C
1,2-Diphenylhydrazine	71	(55 - 136)			SW846 8270C
	74	(55 - 136)	3.8	(0-34)	SW846 8270C
Fluoranthene	94	(65 - 120)			SW846 8270C
	96	(65 - 120)	2.1	(0-33)	SW846 8270C
Fluorene	86	(68 - 117)			SW846 8270C
	89	(68 - 117)	2.6	(0-34)	SW846 8270C
Hexachlorobenzene	75	(65 - 123)			SW846 8270C
	80	(65 - 123)	5.6	(0-34)	SW846 8270C
Hexachlorobutadiene	70	(52 - 105)			SW846 8270C
	72	(52 - 105)	3.4	(0-34)	SW846 8270C
Hexachlorocyclopenta-diene	56	(15 - 99)			SW846 8270C
	62	(15 - 99)	10	(0-48)	SW846 8270C
Hexachloroethane	72	(36 - 101)			SW846 8270C
	76	(36 - 101)	4.7	(0-38)	SW846 8270C
Indeno(1,2,3-cd)pyrene	84	(41 - 140)			SW846 8270C
	84	(41 - 140)	0.11	(0-25)	SW846 8270C
Isophorone	73	(60 - 112)			SW846 8270C
	76	(60 - 112)	4.2	(0-34)	SW846 8270C
2-Methylnaphthalene	88	(66 - 115)			SW846 8270C
	93	(66 - 115)	5.9	(0-33)	SW846 8270C
2-Methylphenol	73	(55 - 109)			SW846 8270C
	79	(55 - 109)	7.1	(0-36)	SW846 8270C
Naphthalene	78	(61 - 108)			SW846 8270C
	81	(61 - 108)	3.3	(0-31)	SW846 8270C
2-Nitroaniline	70	(52 - 126)			SW846 8270C
	73	(52 - 126)	3.9	(0-32)	SW846 8270C
3-Nitroaniline	64	(32 - 135)			SW846 8270C
	67	(32 - 135)	3.5	(0-26)	SW846 8270C
4-Nitroaniline	67	(49 - 144)			SW846 8270C
	70	(49 - 144)	3.8	(0-28)	SW846 8270C
Nitrobenzene	72	(58 - 114)			SW846 8270C
	74	(58 - 114)	4.1	(0-42)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Nitrophenol	87	(64 - 116)			SW846 8270C
	91	(64 - 116)	5.0	(0-37)	SW846 8270C
4-Nitrophenol	**67**	**(47 - 134)**			**SW846 8270C**
	67	**(47 - 134)**	**0.59**	**(0-26)**	**SW846 8270C**
N-Nitrosodimethylamine	86	(46 - 105)			SW846 8270C
	89	(46 - 105)	3.7	(0-40)	SW846 8270C
N-Nitrosodiphenylamine	98	(52 - 122)			SW846 8270C
	102	(52 - 122)	4.1	(0-35)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**75**	**(44 - 119)**			**SW846 8270C**
	80	**(44 - 119)**	**6.6**	**(0-38)**	**SW846 8270C**
Pentachlorophenol	**81**	**(63 - 123)**			**SW846 8270C**
	83	**(63 - 123)**	**2.0**	**(0-26)**	**SW846 8270C**
Phenanthrene	87	(65 - 121)			SW846 8270C
	91	(65 - 121)	4.6	(0-32)	SW846 8270C
Phenol	**78**	**(58 - 114)**			**SW846 8270C**
	81	**(58 - 114)**	**4.0**	**(0-36)**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	68	(15 - 147)			SW846 8270C
	71	(15 - 147)	5.3	(0-45)	SW846 8270C
Pyrene	**96**	**(60 - 122)**			**SW846 8270C**
	101	**(60 - 122)**	**5.6**	**(0-34)**	**SW846 8270C**
Pyridine	73	(46 - 105)			SW846 8270C
	74	(46 - 105)	2.3	(0-41)	SW846 8270C
1,2,4-Trichloro-benzene	**83**	**(59 - 111)**			**SW846 8270C**
	86	**(59 - 111)**	**4.1**	**(0-33)**	**SW846 8270C**
2,4,5-Trichloro-phenol	83	(68 - 117)			SW846 8270C
	90	(68 - 117)	8.2	(0-36)	SW846 8270C
2,4,6-Trichloro-phenol	83	(64 - 117)			SW846 8270C
	86	(64 - 117)	4.2	(0-35)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(19 - 100)
	70	(19 - 100)
Phenol-d5	73	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	69	(35 - 122)
	73	(35 - 122)
2-Fluorobiphenyl	84	(34 - 115)
	88	(34 - 115)
2,4,6-Tribromophenol	73	(33 - 130)
	77	(33 - 130)
Terphenyl-d14	80	(28 - 132)
	87	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096187
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**81.7**	**ug**	**82**		**SW846 8270C**
	100	**85.6**	**ug**	**86**	**4.7**	**SW846 8270C**
Acenaphthylene	100	83.7	ug	84		SW846 8270C
	100	86.6	ug	87	3.4	SW846 8270C
Aniline	100	49.5	ug	50		SW846 8270C
	100	52.0	ug	52	4.9	SW846 8270C
Anthracene	100	85.9	ug	86		SW846 8270C
	100	89.8	ug	90	4.4	SW846 8270C
Benzo(a)anthracene	100	86.4	ug	86		SW846 8270C
	100	90.6	ug	91	4.7	SW846 8270C
Benzo(b)fluoranthene	100	75.1	ug	75		SW846 8270C
	100	80.5	ug	80	6.9	SW846 8270C
Benzo(k)fluoranthene	100	92.3	ug	92		SW846 8270C
	100	87.4	ug	87	5.4	SW846 8270C
Benzoic acid	100	98.1	ug	98		SW846 8270C
	100	103	ug	103	4.9	SW846 8270C
Benzo(ghi)perylene	100	83.8	ug	84		SW846 8270C
	100	83.6	ug	84	0.23	SW846 8270C
Benzo(a)pyrene	100	86.8	ug	87		SW846 8270C
	100	87.5	ug	88	0.80	SW846 8270C
Benzyl alcohol	100	81.5	ug	82		SW846 8270C
	100	88.5	ug	88	8.2	SW846 8270C
bis(2-Chloroethoxy) methane	100	68.7	ug	69		SW846 8270C
	100	73.9	ug	74	7.3	SW846 8270C
bis(2-Chloroethyl)-ether	100	74.0	ug	74		SW846 8270C
	100	77.4	ug	77	4.5	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	88.0	ug	88		SW846 8270C
	100	92.1	ug	92	4.6	SW846 8270C
4-Bromophenyl phenyl ether	100	91.6	ug	92		SW846 8270C
	100	96.2	ug	96	4.9	SW846 8270C
Butyl benzyl phthalate	100	82.6	ug	83		SW846 8270C
	100	84.6	ug	85	2.4	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbazole	100	80.9	ug	81		SW846 8270C
	100	84.5	ug	84	4.4	SW846 8270C
4-Chloroaniline	100	42.9	ug	43		SW846 8270C
	100	44.8	ug	45	4.3	SW846 8270C
4-Chloro-3-methylphenol	**100**	**75.9**	**ug**	**76**		**SW846 8270C**
	100	**80.0**	**ug**	**80**	**5.3**	**SW846 8270C**
2-Chloronaphthalene	100	77.7	ug	78		SW846 8270C
	100	81.7	ug	82	5.0	SW846 8270C
2-Chlorophenol	**100**	**80.5**	**ug**	**80**		**SW846 8270C**
	100	**85.8**	**ug**	**86**	**6.4**	**SW846 8270C**
4-Chlorophenyl phenyl ether	100	87.7	ug	88		SW846 8270C
	100	90.9	ug	91	3.6	SW846 8270C
Chrysene	100	89.4	ug	89		SW846 8270C
	100	94.5	ug	94	5.5	SW846 8270C
Dibenz(a,h)anthracene	100	81.2	ug	81		SW846 8270C
	100	80.7	ug	81	0.61	SW846 8270C
Dibenzofuran	100	85.8	ug	86		SW846 8270C
	100	88.6	ug	89	3.2	SW846 8270C
Di-n-butyl phthalate	100	83.1	ug	83		SW846 8270C
	100	85.6	ug	86	3.0	SW846 8270C
1,2-Dichlorobenzene	100	81.3	ug	81		SW846 8270C
	100	88.2	ug	88	8.1	SW846 8270C
1,3-Dichlorobenzene	100	82.1	ug	82		SW846 8270C
	100	86.8	ug	87	5.6	SW846 8270C
1,4-Dichlorobenzene	**100**	**82.7**	**ug**	**83**		**SW846 8270C**
	100	**87.4**	**ug**	**87**	**5.5**	**SW846 8270C**
3,3'-Dichlorobenzidine	100	52.1	ug	52		SW846 8270C
	100	57.0	ug	57	9.0	SW846 8270C
2,4-Dichlorophenol	100	83.3	ug	83		SW846 8270C
	100	88.5	ug	88	6.0	SW846 8270C
Diethyl phthalate	100	80.2	ug	80		SW846 8270C
	100	81.9	ug	82	2.1	SW846 8270C
2,4-Dimethylphenol	100	38.9	ug	39		SW846 8270C
	100	45.0	ug	45	15	SW846 8270C
Dimethyl phthalate	100	82.1	ug	82		SW846 8270C
	100	83.7	ug	84	1.9	SW846 8270C
4,6-Dinitro-2-methylphenol	100	94.0	ug	94		SW846 8270C
	100	96.6	ug	97	2.7	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-Dinitrophenol	100	88.1	ug	88		SW846 8270C
	100	91.9	ug	92	4.2	SW846 8270C
2,4-Dinitrotoluene	**100**	**86.5**	**ug**	**86**		**SW846 8270C**
	100	**90.6**	**ug**	**91**	**4.6**	**SW846 8270C**
2,6-Dinitrotoluene	100	87.2	ug	87		SW846 8270C
	100	88.8	ug	89	1.8	SW846 8270C
Di-n-octyl phthalate	100	83.6	ug	84		SW846 8270C
	100	83.1	ug	83	0.60	SW846 8270C
1,2-Diphenylhydrazine	100	71.2	ug	71		SW846 8270C
	100	74.0	ug	74	3.8	SW846 8270C
Fluoranthene	100	93.8	ug	94		SW846 8270C
	100	95.8	ug	96	2.1	SW846 8270C
Fluorene	100	86.3	ug	86		SW846 8270C
	100	88.6	ug	89	2.6	SW846 8270C
Hexachlorobenzene	100	75.2	ug	75		SW846 8270C
	100	79.5	ug	80	5.6	SW846 8270C
Hexachlorobutadiene	100	69.7	ug	70		SW846 8270C
	100	72.1	ug	72	3.4	SW846 8270C
Hexachlorocyclopenta-diene	100	55.5	ug	56		SW846 8270C
	100	61.6	ug	62	10	SW846 8270C
Hexachloroethane	100	72.0	ug	72		SW846 8270C
	100	75.5	ug	76	4.7	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	83.7	ug	84		SW846 8270C
	100	83.8	ug	84	0.11	SW846 8270C
Isophorone	100	72.9	ug	73		SW846 8270C
	100	76.0	ug	76	4.2	SW846 8270C
2-Methylnaphthalene	100	87.5	ug	88		SW846 8270C
	100	92.8	ug	93	5.9	SW846 8270C
2-Methylphenol	100	73.4	ug	73		SW846 8270C
	100	78.8	ug	79	7.1	SW846 8270C
Naphthalene	100	78.2	ug	78		SW846 8270C
	100	80.8	ug	81	3.3	SW846 8270C
2-Nitroaniline	100	70.0	ug	70		SW846 8270C
	100	72.8	ug	73	3.9	SW846 8270C
3-Nitroaniline	100	64.4	ug	64		SW846 8270C
	100	66.7	ug	67	3.5	SW846 8270C
4-Nitroaniline	100	67.0	ug	67		SW846 8270C
	100	69.6	ug	70	3.8	SW846 8270C
Nitrobenzene	100	71.5	ug	72		SW846 8270C
	100	74.5	ug	74	4.1	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Nitrophenol	100	86.7	ug	87		SW846 8270C
	100	91.2	ug	91	5.0	SW846 8270C
4-Nitrophenol	**100**	**67.4**	**ug**	**67**		**SW846 8270C**
	100	**67.0**	**ug**	**67**	**0.59**	**SW846 8270C**
N-Nitrosodimethylamine	100	85.8	ug	86		SW846 8270C
	100	89.0	ug	89	3.7	SW846 8270C
N-Nitrosodiphenylamine	100	97.9	ug	98		SW846 8270C
	100	102	ug	102	4.1	SW846 8270C
N-Nitrosodi-n-propyl-amine	**100**	**74.6**	**ug**	**75**		**SW846 8270C**
	100	**79.7**	**ug**	**80**	**6.6**	**SW846 8270C**
Pentachlorophenol	**100**	**81.0**	**ug**	**81**		**SW846 8270C**
	100	**82.6**	**ug**	**83**	**2.0**	**SW846 8270C**
Phenanthrene	100	87.3	ug	87		SW846 8270C
	100	91.4	ug	91	4.6	SW846 8270C
Phenol	**100**	**78.1**	**ug**	**78**		**SW846 8270C**
	100	**81.3**	**ug**	**81**	**4.0**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	100	67.7	ug	68		SW846 8270C
	100	71.4	ug	71	5.3	SW846 8270C
Pyrene	**100**	**95.5**	**ug**	**96**		**SW846 8270C**
	100	**101**	**ug**	**101**	**5.6**	**SW846 8270C**
Pyridine	100	72.7	ug	73		SW846 8270C
	100	74.4	ug	74	2.3	SW846 8270C
1,2,4-Trichloro-benzene	**100**	**82.9**	**ug**	**83**		**SW846 8270C**
	100	**86.4**	**ug**	**86**	**4.1**	**SW846 8270C**
2,4,5-Trichloro-phenol	100	82.6	ug	83		SW846 8270C
	100	89.7	ug	90	8.2	SW846 8270C
2,4,6-Trichloro-phenol	100	82.9	ug	83		SW846 8270C
	100	86.5	ug	86	4.2	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PJ51AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-187 H2PJ51AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(19 - 100)
	70	(19 - 100)
Phenol-d5	73	(15 - 124)
	77	(15 - 124)
Nitrobenzene-d5	69	(35 - 122)
	73	(35 - 122)
2-Fluorobiphenyl	84	(34 - 115)
	88	(34 - 115)
2,4,6-Tribromophenol	73	(33 - 130)
	77	(33 - 130)
Terphenyl-d14	80	(28 - 132)
	87	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Report Date: 28-Apr-2006 13:42

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Lab Smp Id: H2PJ51AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 28-APR-2006 11:03
Operator : 60841 Inst ID: md.i
Smp Info : H2PJ51AC,,3,,,LCS,
Misc Info : D042806,8270a9,8270.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 28-Apr-2006 13:38 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 6 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	65116	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	224226	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	158872	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	278076	20.0000	
* 5 Chrysene-d12	240	12.009	12.003	(1.000)	284825	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	256222	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	222832	48.9342	48.9
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	301930	54.9670	55.0
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	174194	34.4639	34.5
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	437815	41.8017	41.8
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	97039	55.0340	55.0
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	557138	40.2164	40.2
13 N-Nitrosodimethylamine	74	2.050	2.050	(0.493)	186423	85.7751	85.8

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Report Date: 28-Apr-2006 13:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
14 Pyridine	79	2.061	2.067	(0.496)	315962	72.7062	72.7
15 Phenol (ccc)	94	3.865	3.865	(0.929)	453631	78.1368	78.1
16 Aniline	93	3.871	3.871	(0.931)	321043	49.5205	49.5
17 Bis(2-chloroethyl)ether	93	3.930	3.930	(0.945)	300868	74.0555	74.0
18 2-Chlorophenol	128	3.988	3.989	(0.959)	347358	80.4760	80.5
19 1,3-Dichlorobenzene	146	4.124	4.124	(0.992)	405949	82.1307	82.1
20 1,4-Dichlorobenzene (ccc)	146	4.176	4.177	(1.004)	412878	82.6891	82.7
21 Benzyl alcohol	108	4.323	4.323	(1.040)	234630	81.4959	81.5
22 1,2-Dichlorobenzene	146	4.370	4.370	(1.051)	389269	81.3445	81.3
23 2-Methylphenol	108	4.476	4.476	(1.076)	302522	73.3523	73.4
24 2,2'-Oxybis(1-Chloropropane)	45	4.494	4.494	(1.081)	471655	67.7399	67.7
25 4-Methylphenol	108	4.652	4.647	(1.119)	664203	154.920	155
26 3&4 Methylphenol	108	4.652	4.647	(1.119)	664203	154.920	155
27 N-Nitroso-di-n-propylamine###	70	4.658	4.658	(1.120)	238554	74.5649	74.6
28 Hexachloroethane	117	4.723	4.723	(1.136)	139750	71.9654	72.0
29 Nitrobenzene	77	4.835	4.835	(0.841)	350473	71.5174	71.5
30 Isophorone	82	5.146	5.140	(0.895)	663229	72.8892	72.9
31 2-Nitrophenol (ccc)	139	5.263	5.258	(0.915)	192597	86.6751	86.7
32 2,4-Dimethyphenol	107	5.340	5.340	(0.928)	191595	38.8757	38.9
33 Bis(2-chloroethoxy)methane	93	5.469	5.463	(0.951)	359284	68.6623	68.7
34 Benzoic acid	122	5.540	5.504	(0.963)	249784	98.0752	98.1
35 2,4-Dichlorophenol (ccc)	162	5.587	5.587	(0.971)	326698	83.3219	83.3
36 1,2,4-Trichlorobenzene	180	5.698	5.698	(0.991)	361846	82.9094	82.9
37 Naphthalene	128	5.775	5.775	(1.004)	1026532	78.1825	78.2
38 4-Chloroaniline	127	5.898	5.898	(1.026)	242714	42.8848	42.9
39 Hexachlorobutadiene (ccc)	225	6.051	6.051	(1.052)	219497	69.7024	69.7
40 4-Chloro-3-methylphenol (ccc)	107	6.633	6.633	(1.153)	312383	75.9006	75.9
41 2-Methylnaphthalene	142	6.774	6.774	(1.178)	733410	87.5029	87.5
42 Hexachlorocyclopentadiene####	237	7.167	7.167	(0.852)	198081	55.5472	55.5
43 2,4,6-Trichlorophenol (ccc)	196	7.326	7.326	(0.871)	269033	82.8694	82.9
44 2,4,5-Trichlorphenol	196	7.396	7.396	(0.879)	296459	82.5780	82.6
45 2-Chloronaphthalene	162	7.596	7.596	(0.903)	742625	77.7294	77.7
46 2-Nitroaniline	65	7.837	7.831	(0.932)	212921	70.0366	70.0
47 Acenaphthylene	152	8.213	8.207	(0.976)	1255495	83.7300	83.7
48 Dimethyl phthalate	163	8.178	8.172	(0.972)	902217	82.0789	82.1
49 2,6-Dinitrotoluene	165	8.248	8.242	(0.980)	204878	87.1942	87.2
50 3-Nitroaniline	138	8.413	8.407	(1.000)	181202	64.4471	64.4
51 Acenaphthene (ccc)	153	8.454	8.454	(1.005)	735659	81.7074	81.7
52 2,4-Dinitrophenol ##spcc##	184	8.536	8.536	(1.015)	105426	88.1064	88.1
53 Dibenzofuran	168	8.654	8.648	(1.029)	1151889	85.7571	85.8
54 4-Nitrophenol ##spcc##	109	8.677	8.677	(1.031)	118181	67.3948	67.4
55 2,4-Dinitrotoluene	165	8.724	8.718	(1.037)	273741	86.4828	86.5
56 Fluorene	166	9.036	9.036	(1.074)	966371	86.3293	86.3
57 4-Chlorophenyl phenyl ether	204	9.059	9.059	(1.077)	488418	87.7119	87.7
58 Diethyl phthalate	149	9.024	9.024	(1.073)	867273	80.1652	80.2
59 4-Nitroaniline	138	9.118	9.112	(1.084)	190533	67.0067	67.0
60 4,6-Dinitro-2-methylphenol	198	9.159	9.159	(0.923)	164501	94.0245	94.0

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
61 N-Ndpa / diphenylamine (ccc)	169	9.194	9.188	(0.927)	711861	97.8746	97.9
62 1,2-Diphenylhydrazine/azobnz	77	9.218	9.212	(0.929)	803739	71.2539	71.2
63 4-Bromophenyl phenyl ether	248	9.535	9.535	(0.961)	283490	91.6086	91.6
64 Hexachlorobenzene	284	9.658	9.658	(0.973)	290995	75.2172	75.2
65 Pentachlorophenol (ccc)	266	9.829	9.829	(0.991)	202806	80.9719	81.0
66 Phenanthrene	178	9.946	9.946	(1.002)	1464487	87.3411	87.3
67 Anthracene	178	9.987	9.982	(1.006)	1440962	85.9046	85.9
68 Carbazole	167	10.134	10.134	(1.021)	1278987	80.9285	80.9
69 Di-n-butyl phthalate	149	10.475	10.469	(1.056)	1488799	83.0707	83.1
70 Fluoranthene (ccc)	202	10.916	10.910	(1.100)	1699728	93.8500	93.8
71 Pyrene	202	11.086	11.080	(0.923)	1740438	95.5391	95.5
72 Butyl benzyl phthalate	149	11.580	11.580	(0.964)	674241	82.5901	82.6
73 Benzo(a)Anthracene	228	11.991	11.991	(0.999)	1611687	86.4182	86.4
74 3,3'-Dichlorobenzidine	252	11.973	11.973	(0.997)	367857	52.1041	52.1
75 Chrysene	228	12.032	12.026	(1.002)	1595590	89.3508	89.4
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	912695	87.9712	88.0
77 Di-n-octyl phthalate (ccc)	149	12.584	12.585	(0.951)	1566499	83.6234	83.6
78 Benzo(b)fluoranthene	252	12.931	12.925	(0.977)	1479057	75.1194	75.1
79 Benzo(k)fluoranthene	252	12.949	12.943	(0.979)	1855015	92.2621	92.3
80 Benzo(a)pyrene (ccc)	252	13.190	13.190	(0.997)	1424345	86.8034	86.8
81 Indeno(1,2,3-cd)pyrene	276	14.241	14.241	(1.076)	1521234	83.6773	83.7
82 Dibenz(a,h)anthracene	278	14.247	14.247	(1.077)	1237678	81.2258	81.2
83 Benzo(g,h,i)perylene	276	14.523	14.518	(1.098)	1287869	83.7564	83.8

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Report Date: 28-Apr-2006 13:42

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pj51ac.d
Lab Smp Id: H2PJ51AC
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	65116	5.85
2 Naphthalene-d8	201763	100882	403526	224226	11.13
3 Acenaphthene-d10	143273	71636	286546	158872	10.89
4 Phenanthrene-d10	247023	123512	494046	278076	12.57
5 Chrysene-d12	265356	132678	530712	284825	7.34
6 Perylene-d12	233795	116898	467590	256222	9.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.01	0.05
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Report Date: 28-Apr-2006 13:42

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PJ51AC
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: 8270.sub
Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB CHECK
Operator: 60841
SampleType: METHOD SPIKE
Quant Type: ISTD
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
13 N-Nitrosodimethyla	100	85.8	85.78	35-150
14 Pyridine	100	72.7	72.71	35-150
15 Phenol (ccc)	100	78.1	78.14	59-117
16 Aniline	100	49.5	49.52	35-150
17 Bis(2-chloroethyl)	100	74.0	74.06	35-150
18 2-Chlorophenol	100	80.5	80.48	63-114
19 1,3-Dichlorobenzen	100	82.1	82.13	35-150
20 1,4-Dichlorobenzen	100	82.7	82.69	65-111
21 Benzyl alcohol	100	81.5	81.50	35-150
22 1,2-Dichlorobenzen	100	81.3	81.34	35-150
23 2-Methylphenol	100	73.4	73.35	35-150
24 2,2'-Oxybis(1-Chlo	100	67.7	67.74	35-150
25 4-Methylphenol	200	155	77.46	35-150
26 3&4 Methylphenol	200	155	77.46	35-150
27 N-Nitroso-di-n-pro	100	74.6	74.56	62-114
28 Hexachloroethane	100	72.0	71.97	35-150
29 Nitrobenzene	100	71.5	71.52	35-150
30 Isophorone	100	72.9	72.89	35-150
31 2-Nitrophenol (ccc	100	86.7	86.68	35-150
32 2,4-Dimethyphenol	100	38.9	38.88	35-150
33 Bis(2-chloroethoxy	100	68.7	68.66	35-150
34 Benzoic acid	100	98.1	98.08	35-150
35 2,4-Dichlorophenol	100	83.3	83.32	35-150
36 1,2,4-Trichloroben	100	82.9	82.91	66-113
37 Naphthalene	100	78.2	78.18	60-100
38 4-Chloroaniline	100	42.9	42.88	35-150
39 Hexachlorobutadien	100	69.7	69.70	35-150
40 4-Chloro-3-methylp	100	75.9	75.90	71-118
41 2-Methylnaphthalen	100	87.5	87.50	35-150
42 Hexachlorocyclopen	100	55.5	55.55	35-150
43 2,4,6-Trichlorophe	100	82.9	82.87	35-150
44 2,4,5-Trichlorphen	100	82.6	82.58	35-150
45 2-Chloronaphthalen	100	77.7	77.73	35-150

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Report Date: 28-Apr-2006 13:42

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
46 2-Nitroaniline	100	70.0	70.04	35-150
47 Acenaphthylene	100	83.7	83.73	60-106
48 Dimethyl phthalate	100	82.1	82.08	35-150
49 2,6-Dinitrotoluene	100	87.2	87.19	35-150
50 3-Nitroaniline	100	64.4	64.45	35-150
51 Acenaphthene (ccc)	100	81.7	81.71	65-107
52 2,4-Dinitrophenol	100	88.1	88.11	35-150
53 Dibenzofuran	100	85.8	85.76	35-150
54 4-Nitrophenol ##sp	100	67.4	67.39	61-128
55 2,4-Dinitrotoluene	100	86.5	86.48	72-131
56 Fluorene	100	86.3	86.33	60-113
57 4-Chlorophenyl phe	100	87.7	87.71	35-150
58 Diethyl phthalate	100	80.2	80.17	35-150
59 4-Nitroaniline	100	67.0	67.01	35-150
60 4,6-Dinitro-2-meth	100	94.0	94.02	35-150
61 N-Ndpa / diphenyla	100	97.9	97.87	35-150
62 1,2-Diphenylhydraz	100	71.2	71.25	35-150
63 4-Bromophenyl phen	100	91.6	91.61	35-150
64 Hexachlorobenzene	100	75.2	75.22	35-150
65 Pentachlorophenol	100	81.0	80.97	71-122
66 Phenanthrene	100	87.3	87.34	65-108
67 Anthracene	100	85.9	85.90	67-114
68 Carbazole	100	80.9	80.93	35-150
69 Di-n-butyl phthala	100	83.1	83.07	35-150
70 Fluoranthene (ccc)	100	93.8	93.85	65-115
71 Pyrene	100	95.5	95.54	67-114
72 Butyl benzyl phtha	100	82.6	82.59	35-150
73 Benzo(a)Anthracene	100	86.4	86.42	70-114
74 3,3'-Dichlorobenzi	100	52.1	52.10	35-150
75 Chrysene	100	89.4	89.35	68-111
76 Bis(2-ethylhexyl)	100	88.0	87.97	35-150
77 Di-n-octyl phthala	100	83.6	83.62	35-150
78 Benzo(b)fluoranthe	100	75.1	75.12	60-120
79 Benzo(k)fluoranthe	100	92.3	92.26	61-119
80 Benzo(a)pyrene (cc	100	86.8	86.80	67-111
81 Indeno(1,2,3-cd)py	100	83.7	83.68	67-120
82 Dibenz(a,h)anthrac	100	81.2	81.23	71-120
83 Benzo(g,h,i)peryle	100	83.8	83.76	63-120

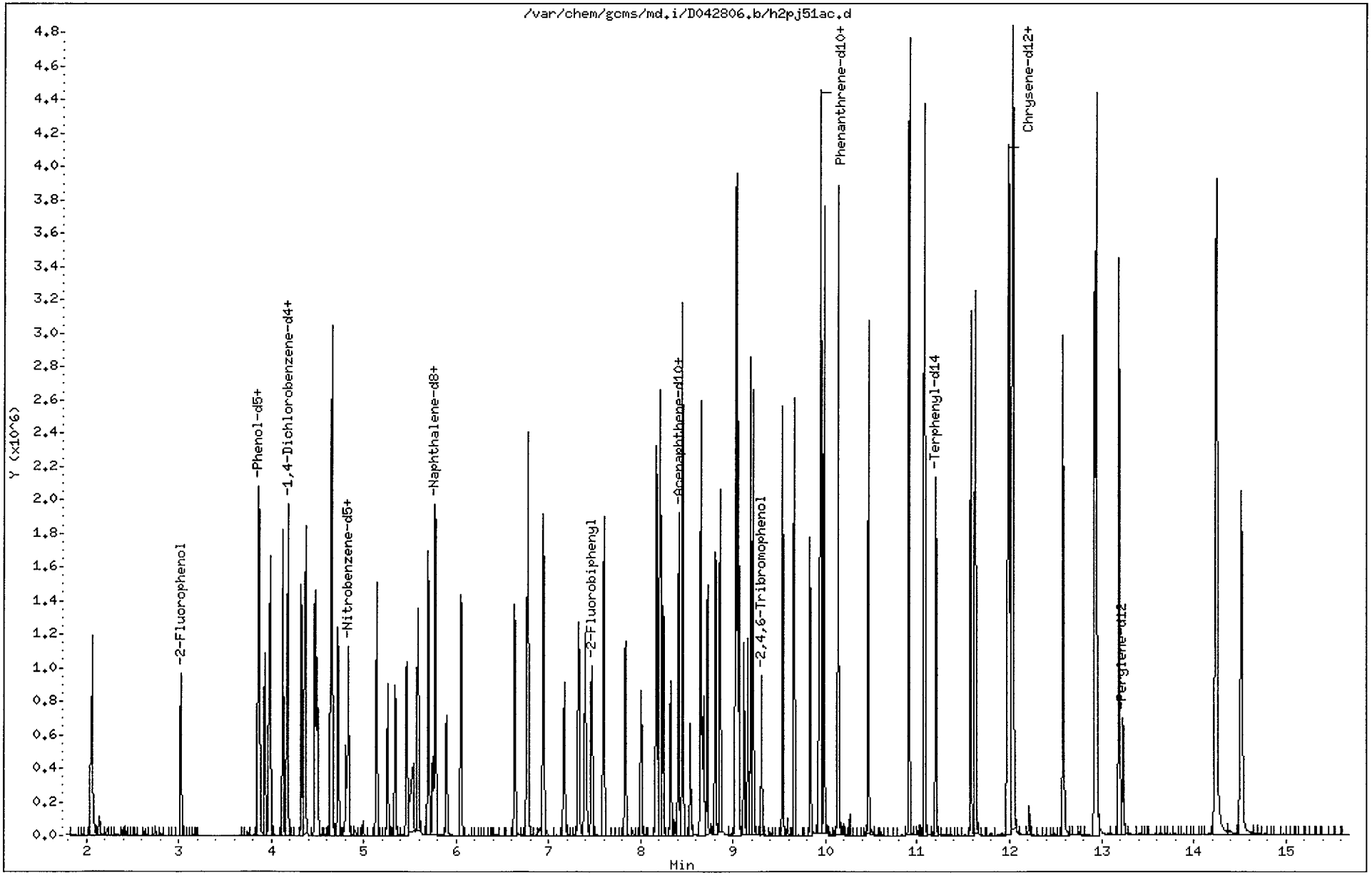
SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	48.9	65.25	0-100
$ 8 Phenol-d5	75.0	55.0	73.29	0-124

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Report Date: 28-Apr-2006 13:42

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	50.0	34.5	68.93	0-104
$ 10 2-Fluorobiphenyl	50.0	41.8	83.60	0-103
$ 11 2,4,6-Tribromophen	75.0	55.0	73.38	0-130
$ 12 Terphenyl-d14	50.0	40.2	80.43	0-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ac.d
Date : 28-APR-2006 11:03
Client ID: INTRA-LAB CHECK
Sample Info: H2PJ51AC,,3,,,LCS,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Report Date: 28-Apr-2006 13:42

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Lab Smp Id: H2PJ51AD
Client Smp ID: INTRA-LAB CHECK
Inj Date : 28-APR-2006 11:27
Operator : 60841
Inst ID: md.i
Smp Info : H2PJ51AD,,3,,,DUP,
Misc Info : D042806,8270a9,8270.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 28-Apr-2006 13:38 mcgeek
Quant Type: ISTD
Cal Date : 27-APR-2006 15:00
Cal File: bbdd271.d
Als bottle: 7
QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 8270.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Sf	2.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

050506

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	57603	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	200414	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	142835	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	246681	20.0000	
* 5 Chrysene-d12	240	12.009	12.003	(1.000)	245285	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	233848	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	211058	52.3940	52.4
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	279104	57.4392	57.4
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	165035	36.5312	36.5
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	414581	44.0275	44.0
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	90035	57.5601	57.6
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	520434	43.6226	43.6
13 N-Nitrosodimethylamine	74	2.050	2.050	(0.493)	171214	89.0529	89.0

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Report Date: 28-Apr-2006 13:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
14 Pyridine	79	2.061	2.067	(0.496)	286043	74.4073	74.4
15 Phenol (ccc)	94	3.865	3.865	(0.929)	417392	81.2726	81.3
16 Aniline	93	3.871	3.871	(0.931)	298091	51.9778	52.0
17 Bis(2-chloroethyl)ether	93	3.930	3.930	(0.945)	278170	77.3996	77.4
18 2-Chlorophenol	128	3.989	3.989	(0.959)	327620	85.8038	85.8
19 1,3-Dichlorobenzene	146	4.124	4.124	(0.992)	379495	86.7935	86.8
20 1,4-Dichlorobenzene (ccc)	146	4.177	4.177	(1.004)	385949	87.3780	87.4
21 Benzyl alcohol	108	4.323	4.323	(1.040)	225479	88.5328	88.5
22 1,2-Dichlorobenzene	146	4.370	4.370	(1.051)	373450	88.2183	88.2
23 2-Methylphenol	108	4.476	4.476	(1.076)	287513	78.8063	78.8
24 2,2'-Oxybis(1-Chloropropane)	45	4.494	4.494	(1.081)	440085	71.4502	71.4
25 4-Methylphenol	108	4.652	4.647	(1.119)	632512	166.772	167(A)
26 3&4 Methylphenol	108	4.652	4.647	(1.119)	632512	166.772	167(A)
27 N-Nitroso-di-n-propylamine###	70	4.658	4.658	(1.120)	225502	79.6789	79.7
28 Hexachloroethane	117	4.723	4.723	(1.136)	129767	75.5414	75.5
29 Nitrobenzene	77	4.835	4.835	(0.841)	326317	74.4997	74.5
30 Isophorone	82	5.146	5.140	(0.895)	618522	76.0524	76.0
31 2-Nitrophenol (ccc)	139	5.264	5.258	(0.915)	181057	91.1629	91.2
32 2,4-Dimethyphenol	107	5.340	5.340	(0.928)	198032	44.9560	45.0
33 Bis(2-chloroethoxy)methane	93	5.469	5.463	(0.951)	345485	73.8698	73.9
34 Benzoic acid	122	5.534	5.504	(0.962)	234753	103.125	103
35 2,4-Dichlorophenol (ccc)	162	5.587	5.587	(0.971)	310263	88.5322	88.5
36 1,2,4-Trichlorobenzene	180	5.698	5.698	(0.991)	337176	86.4361	86.4
37 Naphthalene	128	5.775	5.775	(1.004)	948891	80.8559	80.8
38 4-Chloroaniline	127	5.898	5.898	(1.026)	226814	44.8371	44.8
39 Hexachlorobutadiene (ccc)	225	6.051	6.051	(1.052)	202952	72.1059	72.1
40 4-Chloro-3-methylphenol (ccc)	107	6.633	6.633	(1.153)	294115	79.9528	80.0
41 2-Methylnaphthalene	142	6.774	6.774	(1.178)	695544	92.8450	92.8
42 Hexachlorocyclopentadiene####	237	7.167	7.167	(0.852)	197653	61.6503	61.6
43 2,4,6-Trichlorophenol (ccc)	196	7.326	7.326	(0.871)	252436	86.4873	86.5
44 2,4,5-Trichlorphenol	196	7.396	7.396	(0.879)	289512	89.6971	89.7
45 2-Chloronaphthalene	162	7.596	7.596	(0.903)	701911	81.7164	81.7
46 2-Nitroaniline	65	7.831	7.831	(0.931)	198972	72.7964	72.8
47 Acenaphthylene	152	8.213	8.207	(0.976)	1167618	86.6121	86.6
48 Dimethyl phthalate	163	8.178	8.172	(0.972)	827062	83.6893	83.7
49 2,6-Dinitrotoluene	165	8.242	8.242	(0.980)	187643	88.8249	88.8
50 3-Nitroaniline	138	8.413	8.407	(1.000)	168636	66.7118	66.7
51 Acenaphthene (ccc)	153	8.454	8.454	(1.005)	692722	85.5767	85.6
52 2,4-Dinitrophenol ##spcc##	184	8.536	8.536	(1.015)	99518	91.9241	91.9
53 Dibenzofuran	168	8.648	8.648	(1.028)	1069942	88.5995	88.6
54 4-Nitrophenol ##spcc##	109	8.677	8.677	(1.031)	105605	66.9841	67.0
55 2,4-Dinitrotoluene	165	8.724	8.718	(1.037)	257708	90.5586	90.6
56 Fluorene	166	9.036	9.036	(1.074)	891406	88.5730	88.6
57 4-Chlorophenyl phenyl ether	204	9.059	9.059	(1.077)	454917	90.8679	90.9
58 Diethyl phthalate	149	9.024	9.024	(1.073)	796354	81.8743	81.9
59 4-Nitroaniline	138	9.118	9.112	(1.084)	177984	69.6210	69.6
60 4,6-Dinitro-2-methylphenol	198	9.159	9.159	(0.923)	149896	96.5801	96.6

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Report Date: 28-Apr-2006 13:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
61 N-Ndpa / diphenylamine (ccc)	169	9.194	9.188	(0.927)	657130	101.848	102
62 1,2-Diphenylhydrazine/azobnz	77	9.218	9.212	(0.929)	741058	74.0580	74.0
63 4-Bromophenyl phenyl ether	248	9.535	9.535	(0.961)	264212	96.2450	96.2
64 Hexachlorobenzene	284	9.658	9.658	(0.973)	272932	79.5267	79.5
65 Pentachlorophenol (ccc)	266	9.829	9.829	(0.991)	183624	82.6439	82.6
66 Phenanthrene	178	9.946	9.946	(1.002)	1359221	91.3798	91.4
67 Anthracene	178	9.982	9.982	(1.006)	1336307	89.8043	89.8
68 Carbazole	167	10.134	10.134	(1.021)	1185048	84.5276	84.5
69 Di-n-butyl phthalate	149	10.469	10.469	(1.055)	1360687	85.5849	85.6
70 Fluoranthene (ccc)	202	10.916	10.910	(1.100)	1538935	95.7859	95.8
71 Pyrene	202	11.080	11.080	(0.923)	1585692	101.076	101
72 Butyl benzyl phthalate	149	11.580	11.580	(0.964)	595178	84.6576	84.6
73 Benzo(a)Anthracene	228	11.991	11.991	(0.999)	1455295	90.6111	90.6
74 3,3'-Dichlorobenzidine	252	11.973	11.973	(0.997)	346658	57.0164	57.0
75 Chrysene	228	12.032	12.026	(1.002)	1453265	94.4990	94.5
76 Bis(2-ethylhexyl) phthalate	149	12.038	12.038	(1.002)	823281	92.1444	92.1
77 Di-n-octyl phthalate (ccc)	149	12.585	12.585	(0.951)	1421051	83.1169	83.1
78 Benzo(b)fluoranthene	252	12.925	12.925	(0.977)	1446812	80.5122	80.5
79 Benzo(k)fluoranthene	252	12.949	12.943	(0.979)	1603785	87.3985	87.4
80 Benzo(a)pyrene (ccc)	252	13.190	13.190	(0.997)	1310228	87.4884	87.5
81 Indeno(1,2,3-cd)pyrene	276	14.241	14.241	(1.076)	1389880	83.7666	83.8
82 Dibenz(a,h)anthracene	278	14.247	14.247	(1.077)	1122810	80.7374	80.7
83 Benzo(g,h,i)perylene	276	14.523	14.518	(1.098)	1173173	83.5970	83.6

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Report Date: 28-Apr-2006 13:42

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pj51ad.d
Lab Smp Id: H2PJ51AD
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	57603	-6.36
2 Naphthalene-d8	201763	100882	403526	200414	-0.67
3 Acenaphthene-d10	143273	71636	286546	142835	-0.31
4 Phenanthrene-d10	247023	123512	494046	246681	-0.14
5 Chrysene-d12	265356	132678	530712	245285	-7.56
6 Perylene-d12	233795	116898	467590	233848	0.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.01	0.05
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Report Date: 28-Apr-2006 13:42

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PJ51AD
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: 8270.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB CHECK
Operator: 60841
SampleType: METHOD SPIKE
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
13 N-Nitrosodimethyla	100	89.0	89.05	35-150
14 Pyridine	100	74.4	74.41	35-150
15 Phenol (ccc)	100	81.3	81.27	59-117
16 Aniline	100	52.0	51.98	35-150
17 Bis(2-chloroethyl)	100	77.4	77.40	35-150
18 2-Chlorophenol	100	85.8	85.80	63-114
19 1,3-Dichlorobenzen	100	86.8	86.79	35-150
20 1,4-Dichlorobenzen	100	87.4	87.38	65-111
21 Benzyl alcohol	100	88.5	88.53	35-150
22 1,2-Dichlorobenzen	100	88.2	88.22	35-150
23 2-Methylphenol	100	78.8	78.81	35-150
24 2,2'-Oxybis(1-Chlo	100	71.4	71.45	35-150
25 4-Methylphenol	200	167	83.39	35-150
26 3&4 Methylphenol	200	167	83.39	35-150
27 N-Nitroso-di-n-pro	100	79.7	79.68	62-114
28 Hexachloroethane	100	75.5	75.54	35-150
29 Nitrobenzene	100	74.5	74.50	35-150
30 Isophorone	100	76.0	76.05	35-150
31 2-Nitrophenol (ccc	100	91.2	91.16	35-150
32 2,4-Dimethyphenol	100	45.0	44.96	35-150
33 Bis(2-chloroethoxy	100	73.9	73.87	35-150
34 Benzoic acid	100	103	103.13	35-150
35 2,4-Dichlorophenol	100	88.5	88.53	35-150
36 1,2,4-Trichloroben	100	86.4	86.44	66-113
37 Naphthalene	100	80.8	80.86	60-100
38 4-Chloroaniline	100	44.8	44.84	35-150
39 Hexachlorobutadien	100	72.1	72.11	35-150
40 4-Chloro-3-methylp	100	80.0	79.95	71-118
41 2-Methylnaphthalen	100	92.8	92.84	35-150
42 Hexachlorocyclopen	100	61.6	61.65	35-150
43 2,4,6-Trichlorophe	100	86.5	86.49	35-150
44 2,4,5-Trichlorphen	100	89.7	89.70	35-150
45 2-Chloronaphthalen	100	81.7	81.72	35-150

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Report Date: 28-Apr-2006 13:42

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
46 2-Nitroaniline	100	72.8	72.80	35-150
47 Acenaphthylene	100	86.6	86.61	60-106
48 Dimethyl phthalate	100	83.7	83.69	35-150
49 2,6-Dinitrotoluene	100	88.8	88.82	35-150
50 3-Nitroaniline	100	66.7	66.71	35-150
51 Acenaphthene (ccc)	100	85.6	85.58	65-107
52 2,4-Dinitrophenol	100	91.9	91.92	35-150
53 Dibenzofuran	100	88.6	88.60	35-150
54 4-Nitrophenol ##sp	100	67.0	66.98	61-128
55 2,4-Dinitrotoluene	100	90.6	90.56	72-131
56 Fluorene	100	88.6	88.57	60-113
57 4-Chlorophenyl phe	100	90.9	90.87	35-150
58 Diethyl phthalate	100	81.9	81.87	35-150
59 4-Nitroaniline	100	69.6	69.62	35-150
60 4,6-Dinitro-2-meth	100	96.6	96.58	35-150
61 N-Ndpa / diphenyla	100	102	101.85	35-150
62 1,2-Diphenylhydraz	100	74.0	74.06	35-150
63 4-Bromophenyl phen	100	96.2	96.25	35-150
64 Hexachlorobenzene	100	79.5	79.53	35-150
65 Pentachlorophenol	100	82.6	82.64	71-122
66 Phenanthrene	100	91.4	91.38	65-108
67 Anthracene	100	89.8	89.80	67-114
68 Carbazole	100	84.5	84.53	35-150
69 Di-n-butyl phthala	100	85.6	85.58	35-150
70 Fluoranthene (ccc)	100	95.8	95.79	65-115
71 Pyrene	100	101	101.08	67-114
72 Butyl benzyl phtha	100	84.6	84.66	35-150
73 Benzo(a)Anthracene	100	90.6	90.61	70-114
74 3,3'-Dichlorobenzi	100	57.0	57.02	35-150
75 Chrysene	100	94.5	94.50	68-111
76 Bis(2-ethylhexyl)	100	92.1	92.14	35-150
77 Di-n-octyl phthala	100	83.1	83.12	35-150
78 Benzo(b)fluoranthe	100	80.5	80.51	60-120
79 Benzo(k)fluoranthe	100	87.4	87.40	61-119
80 Benzo(a)pyrene (cc	100	87.5	87.49	67-111
81 Indeno(1,2,3-cd)py	100	83.8	83.77	67-120
82 Dibenz(a,h)anthrac	100	80.7	80.74	71-120
83 Benzo(g,h,i)peryle	100	83.6	83.60	63-120

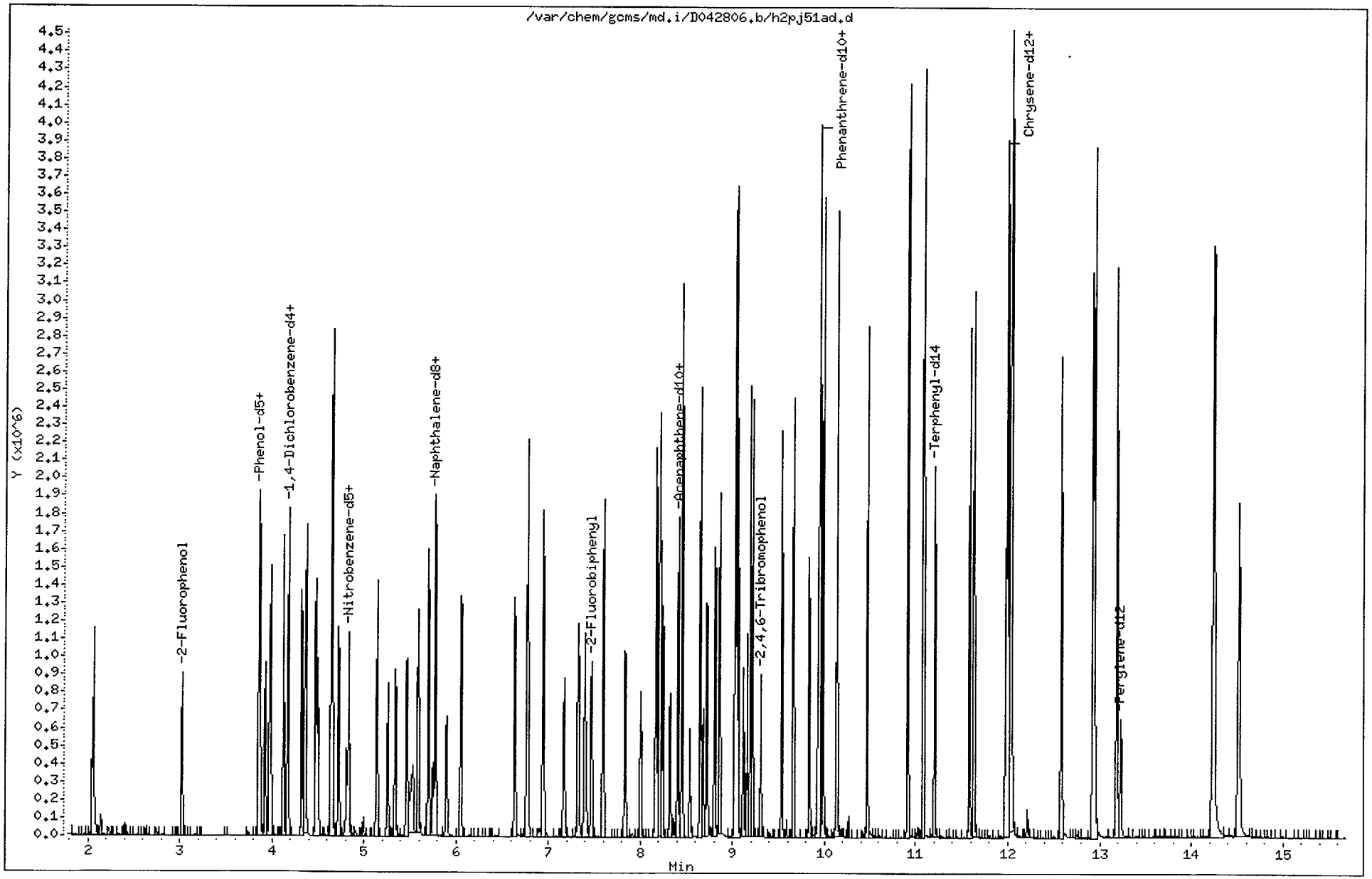
SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	52.4	69.86	0-100
$ 8 Phenol-d5	75.0	57.4	76.59	0-124

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Report Date: 28-Apr-2006 13:42

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	50.0	36.5	73.06	0-104
$ 10 2-Fluorobiphenyl	50.0	44.0	88.06	0-103
$ 11 2,4,6-Tribromophen	75.0	57.6	76.75	0-130
$ 12 Terphenyl-d14	50.0	43.6	87.25	0-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pj51ad.d
Date : 28-APR-2006 11:27
Client ID: INTRA-LAB CHECK
Sample Info: H2PJ51AD,,3,,,DUP,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-189

Prep Date.....: 04/06/06
Analysis Date..: 04/28/06 **Prep Batch #...:** 6096189
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug	SW846 8270C
Acenaphthylene	ND	10	ug	SW846 8270C
Acetophenone	ND	10	ug	SW846 8270C
Aniline	ND	20	ug	SW846 8270C
Anthracene	ND	10	ug	SW846 8270C
Benzaldehyde	ND	10	ug	SW846 8270C
Benzidine	ND	100	ug	SW846 8270C
Benzo(a)anthracene	ND	10	ug	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug	SW846 8270C
Benzoic acid	ND	50	ug	SW846 8270C
Benzonitrile	ND	10	ug	SW846 8270C
Benzo(ghi)perylene	ND	10	ug	SW846 8270C
Benzo(a)pyrene	ND	10	ug	SW846 8270C
Benzyl alcohol	ND	10	ug	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug	SW846 8270C
Butyl benzyl phthalate	ND	10	ug	SW846 8270C
Carbazole	ND	10	ug	SW846 8270C
4-Chloroaniline	ND	10	ug	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug	SW846 8270C
2-Chloronaphthalene	ND	10	ug	SW846 8270C
2-Chlorophenol	ND	10	ug	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug	SW846 8270C
Chrysene	ND	10	ug	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug	SW846 8270C
Dibenzofuran	ND	10	ug	SW846 8270C
Di-n-butyl phthalate	ND	10	ug	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug	SW846 8270C
2,4-Dichlorophenol	ND	10	ug	SW846 8270C
Diethyl phthalate	ND	10	ug	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dimethylphenol	ND	10	ug	SW846 8270C
Dimethyl phthalate	ND	10	ug	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug	SW846 8270C
2,4-Dinitrophenol	ND	50	ug	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug	SW846 8270C
Di-n-octyl phthalate	ND	10	ug	SW846 8270C
Diphenylamine	ND	10	ug	SW846 8270C
1,2-Diphenylhydrazine	ND	10	ug	SW846 8270C
Fluoranthene	ND	10	ug	SW846 8270C
Fluorene	ND	10	ug	SW846 8270C
Hexachlorobenzene	ND	10	ug	SW846 8270C
Hexachlorobutadiene	ND	10	ug	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug	SW846 8270C
Hexachloroethane	ND	10	ug	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug	SW846 8270C
Isophorone	ND	10	ug	SW846 8270C
2-Methylnaphthalene	ND	10	ug	SW846 8270C
2-Methylphenol	ND	10	ug	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug	SW846 8270C
Naphthalene	ND	10	ug	SW846 8270C
2-Nitroaniline	ND	50	ug	SW846 8270C
3-Nitroaniline	ND	50	ug	SW846 8270C
4-Nitroaniline	ND	50	ug	SW846 8270C
Nitrobenzene	ND	10	ug	SW846 8270C
2-Nitrophenol	ND	10	ug	SW846 8270C
4-Nitrophenol	ND	50	ug	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug	SW846 8270C
Pentachlorobenzene	ND	10	ug	SW846 8270C
Pentachloronitrobenzene	ND	10	ug	SW846 8270C
Pentachlorophenol	ND	50	ug	SW846 8270C
Phenanthrene	ND	10	ug	SW846 8270C
Phenol	ND	10	ug	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug	SW846 8270C
Pyrene	ND	10	ug	SW846 8270C
Pyridine	ND	20	ug	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	44	(19 - 100)
Phenol-d5	40	(15 - 124)
Nitrobenzene-d5	57	(35 - 122)
2-Fluorobiphenyl	69	(34 - 115)
2,4,6-Tribromophenol	56	(33 - 130)
Terphenyl-d14	73	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL Knoxville - ACS

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: H6D060000-189 B **Work Order #:** H2PKP1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Report Date: 03-May-2006 09:59

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Lab Smp Id: H2PKP1AA
Client Smp ID: INTRA-LAB BLANK
Inj Date : 28-APR-2006 17:18
Operator : 60841
Inst ID: md.i
Smp Info : H2PKP1AA,,3,,,BLK,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 09:58 mcgeek
Quant Type: ISTD
Cal Date : 27-APR-2006 15:00
Cal File: bbdd271.d
Als bottle: 22
QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: westates.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

05 05 06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	70021	20.0000	
* 2 Naphthalene-d8	136	5.745	5.751	(1.000)	239395	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	171535	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	316557	20.0000	
* 5 Chrysene-d12	240	12.003	12.003	(1.000)	323700	20.0000	
* 6 Perylene-d12	264	13.237	13.231	(1.000)	297788	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	162351	33.1553	33.2
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	177491	30.0494	30.0
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	152717	28.3003	28.3
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	390237	34.5086	34.5
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	84668	42.1805	42.2
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	578270	36.7287	36.7
63 4-Bromophenyl phenyl ether	248	9.306	9.535	(0.938)	4366	1.23942	~~1.24~~

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Report Date: 03-May-2006 09:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
84 Benzidine	184	11.204	11.016	(1.129)	7177	0.55319	~~0.553~~
184 Benzaldehyde	105	3.971	3.742	(0.955)	3887	1.21542	~~1.22~~
185 Benzonitrile	103	3.971	3.935	(0.955)	9910	1.38392	~~1.38~~

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Report Date: 03-May-2006 09:59

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pkp1aa.d
Lab Smp Id: H2PKP1AA
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	70021	13.83
2 Naphthalene-d8	201763	100882	403526	239395	18.65
3 Acenaphthene-d10	143273	71636	286546	171535	19.73
4 Phenanthrene-d10	247023	123512	494046	316557	28.15
5 Chrysene-d12	265356	132678	530712	323700	21.99
6 Perylene-d12	233795	116898	467590	297788	27.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.10
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.00	0.00
6 Perylene-d12	13.23	12.73	13.73	13.24	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Report Date: 03-May-2006 09:59

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PKP1AA
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: westates.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,westates.sub

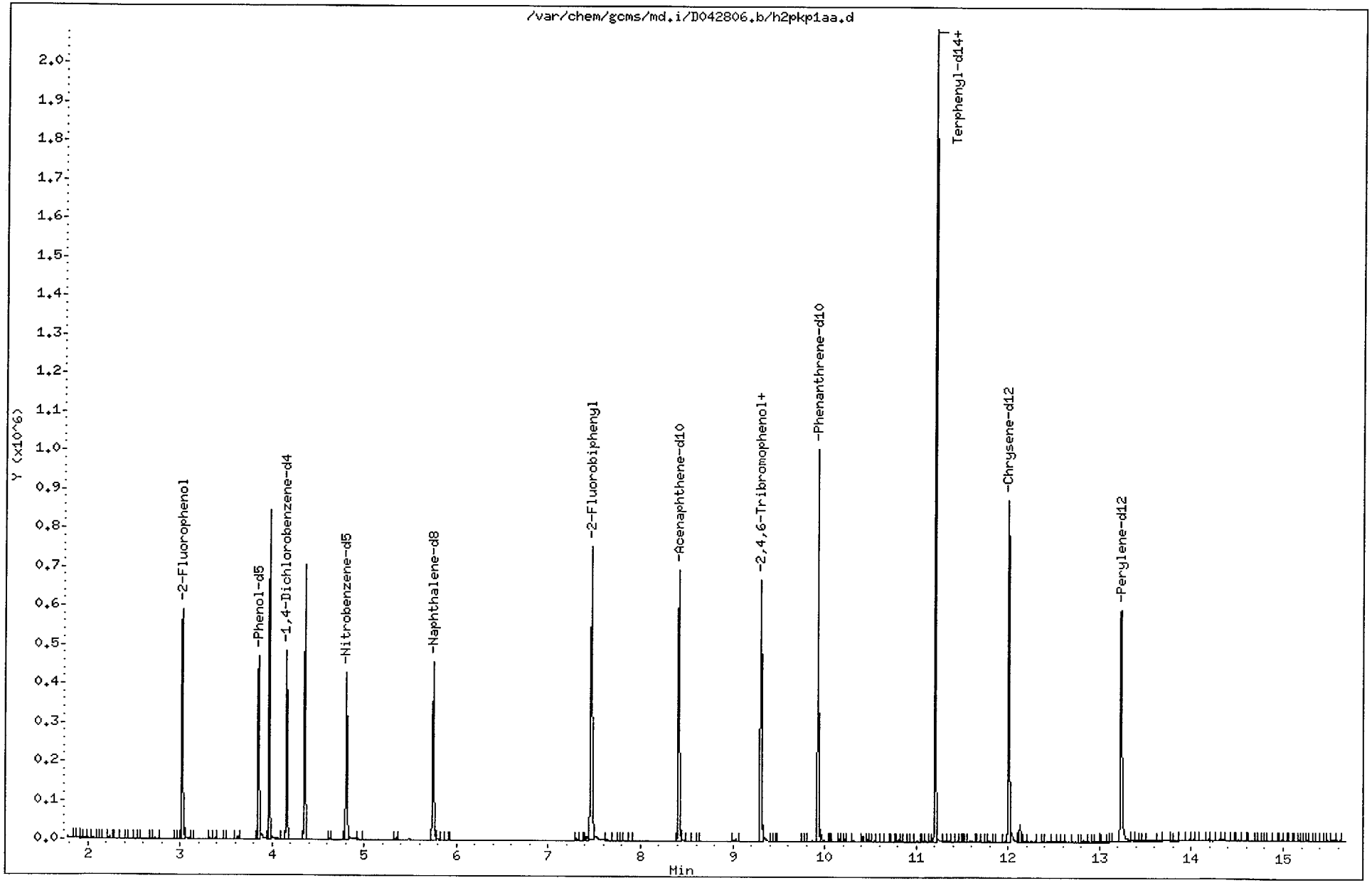
Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB BLANK
Operator: 60841
SampleType: METHOD BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	33.2	44.21	19-100
$ 8 Phenol-d5	75.0	30.0	40.07	15-124
$ 9 Nitrobenzene-d5	50.0	28.3	56.60	42-104
$ 10 2-Fluorobiphenyl	50.0	34.5	69.02	51-103
$ 11 2,4,6-Tribromophen	75.0	42.2	56.24	33-130
$ 12 Terphenyl-d14	50.0	36.7	73.46	58-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Date : 28-APR-2006 17:18
Client ID: INTRA-LAB BLANK
Sample Info: H2PKP1AA,,3,,,BLK,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



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Date : 28-APR-2006 17:18

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PKP1AA,,3,,,BLK,

Volume Injected (uL): 1.0

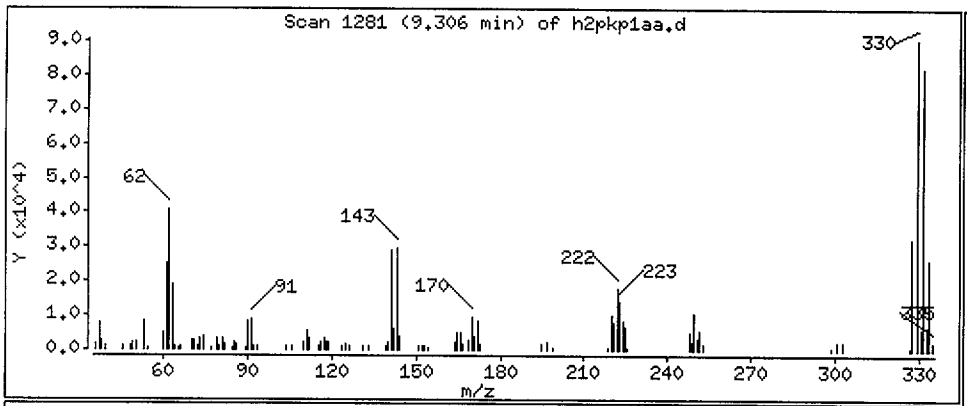
Operator: 60841

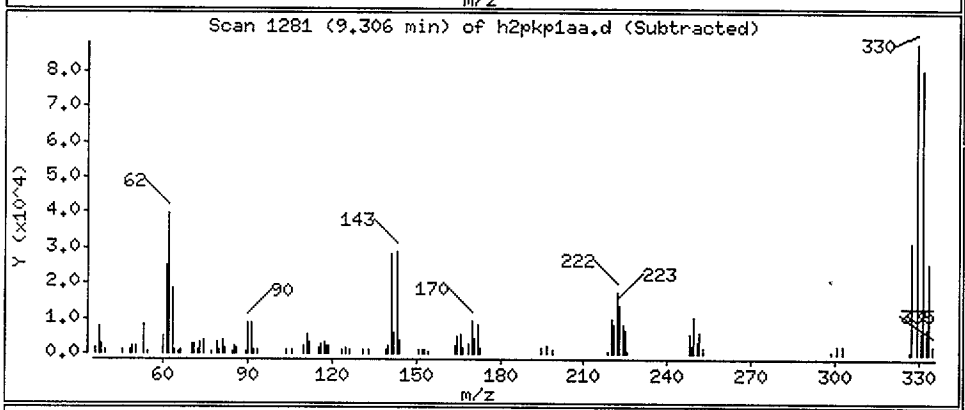
Column phase: ZB-5

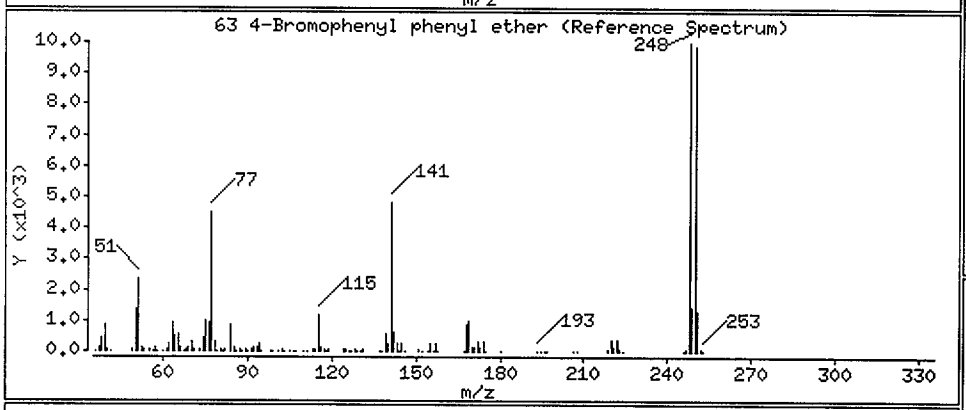
Column diameter: 0.25

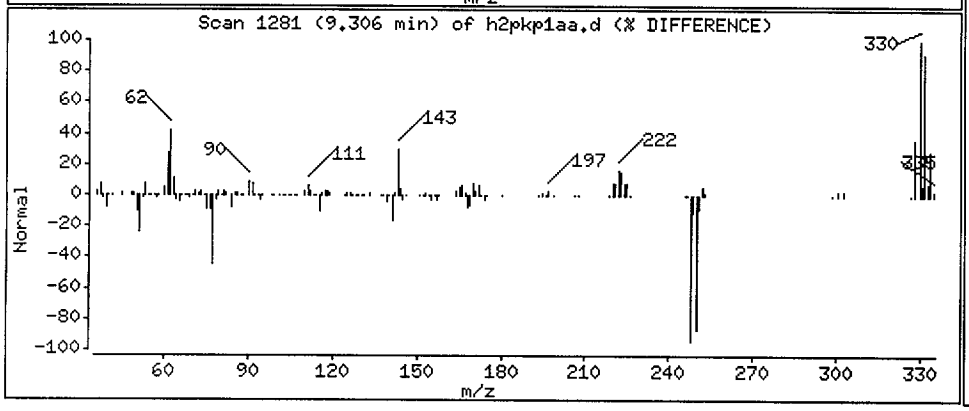
63 4-Bromophenyl phenyl ether

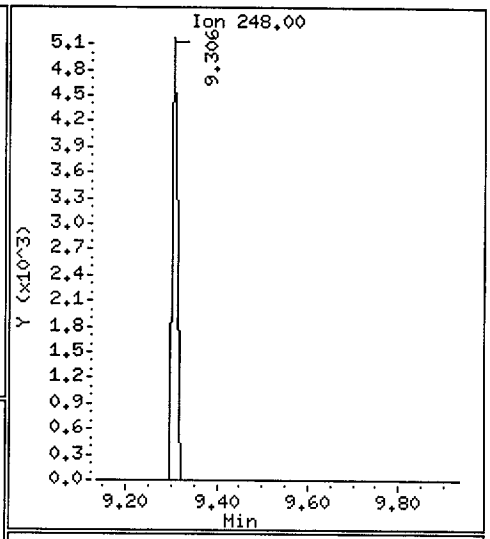
Concentration: 1.24 ug

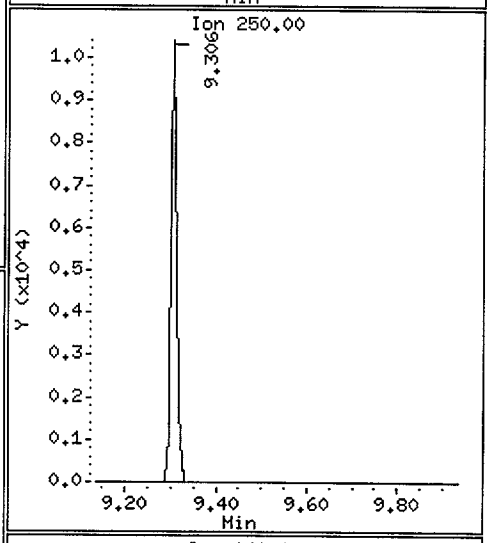


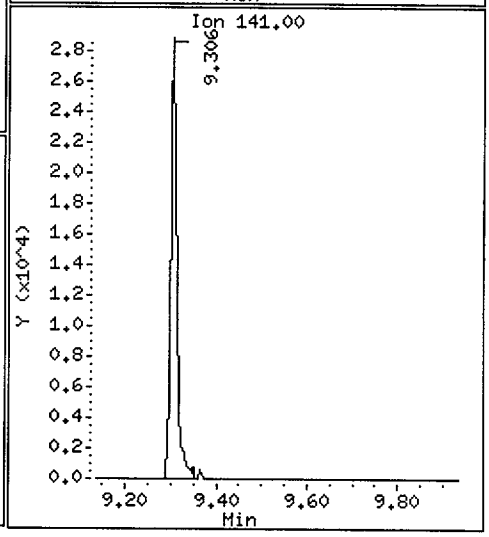












Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d

Date : 28-APR-2006 17:18

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PKP1AA,,3,,,BLK,

Volume Injected (uL): 1.0

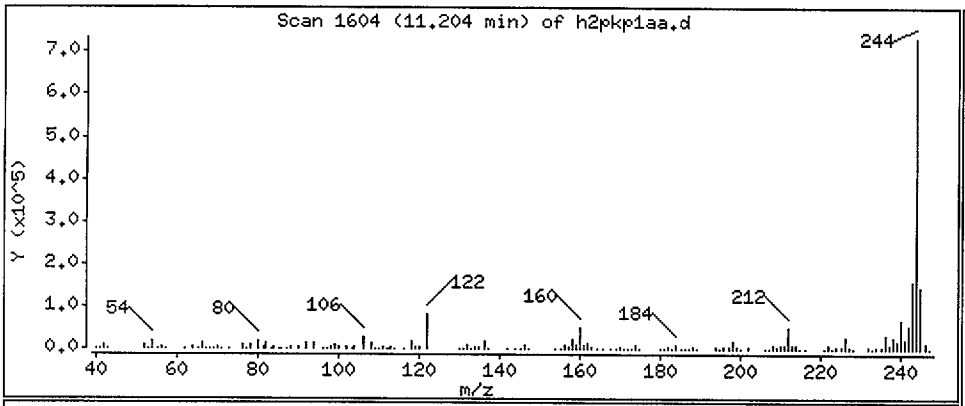
Operator: 60841

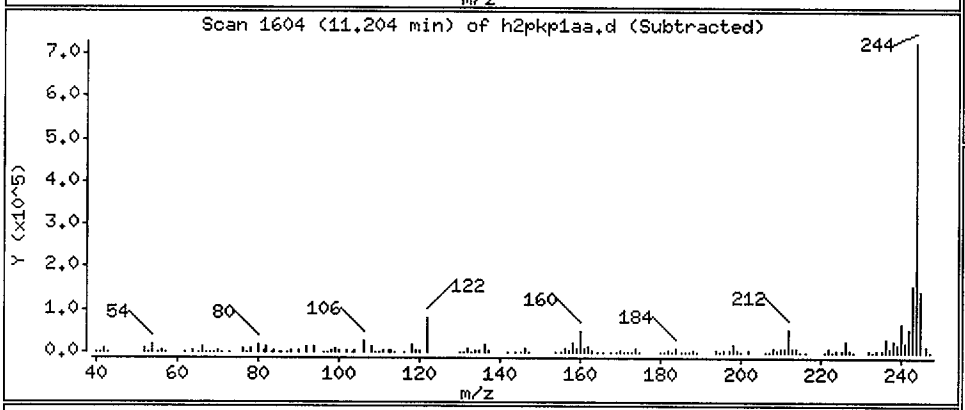
Column phase: ZB-5

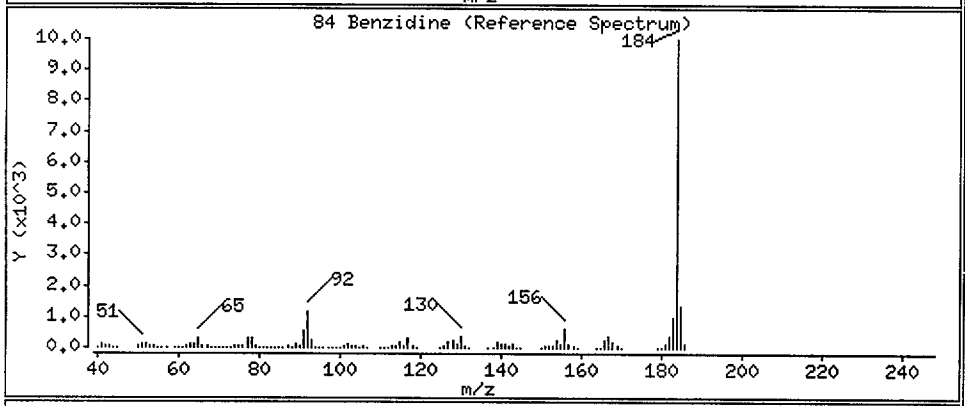
Column diameter: 0.25

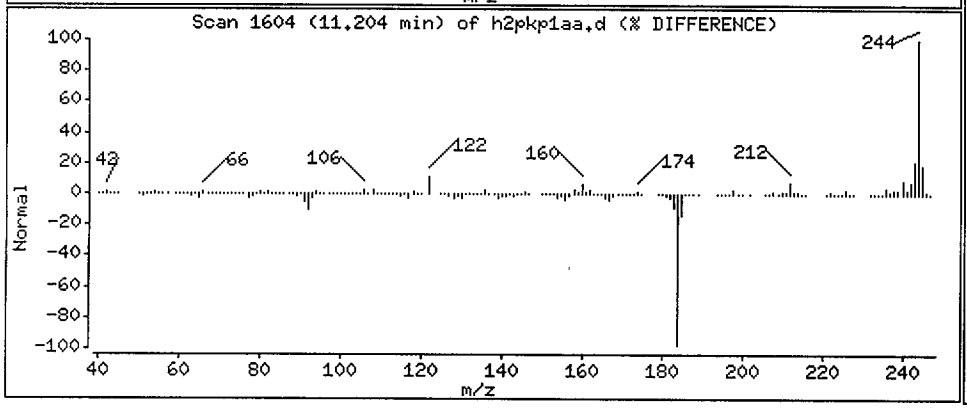
84 Benzidine

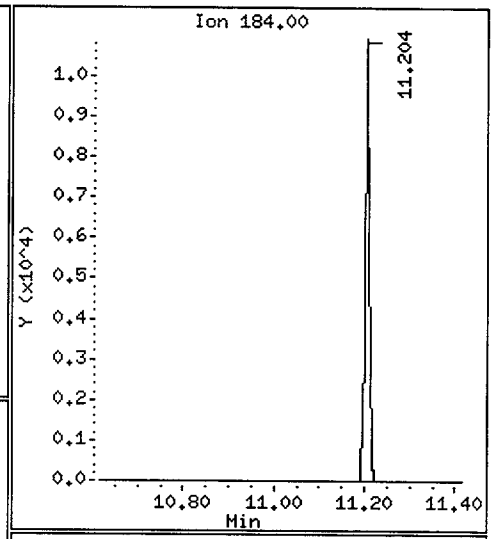
Concentration: 0.553 ug

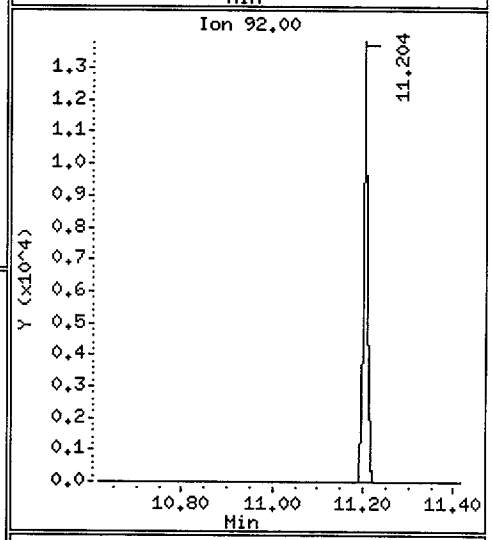


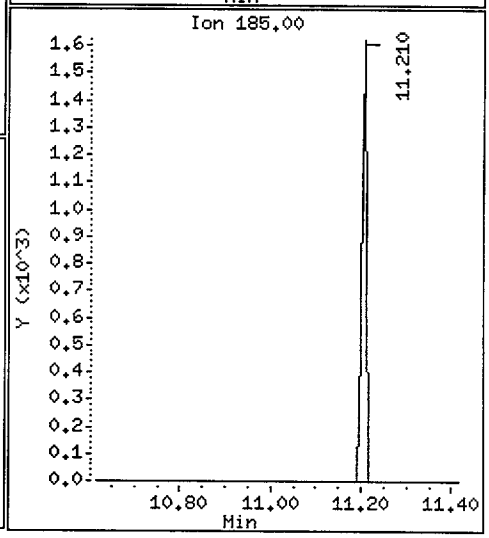












Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d

Date : 28-APR-2006 17:18

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PKP1AA,,3,,,BLK,

Volume Injected (uL): 1.0

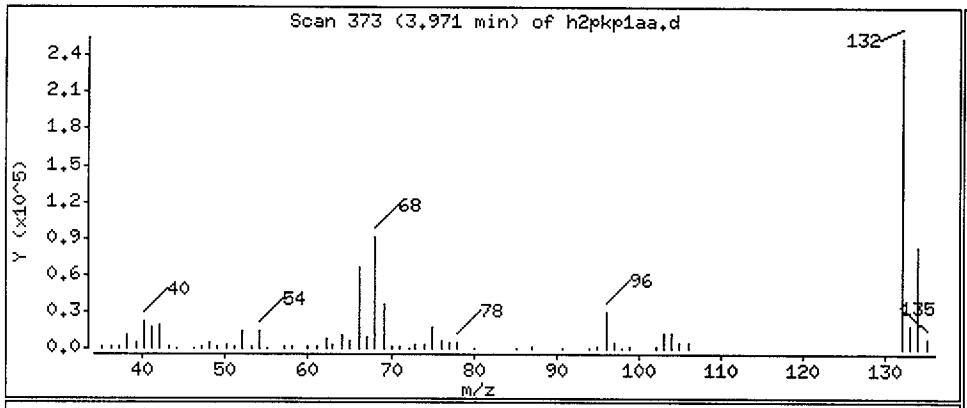
Operator: 60841

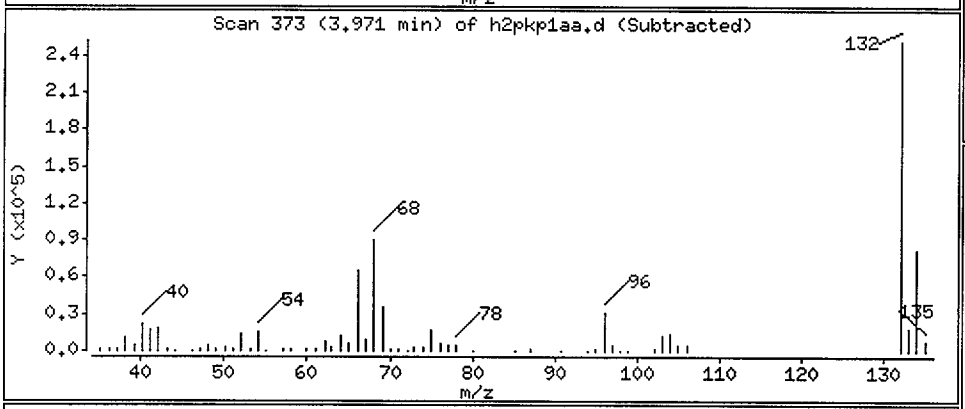
Column phase: ZB-5

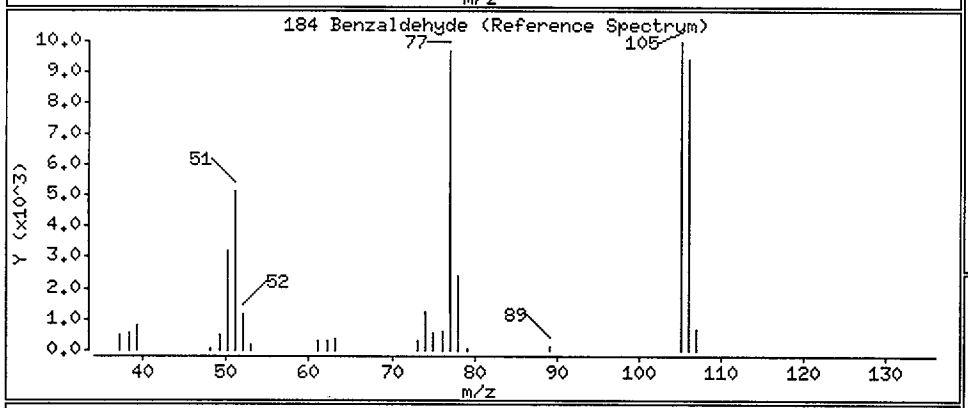
Column diameter: 0.25

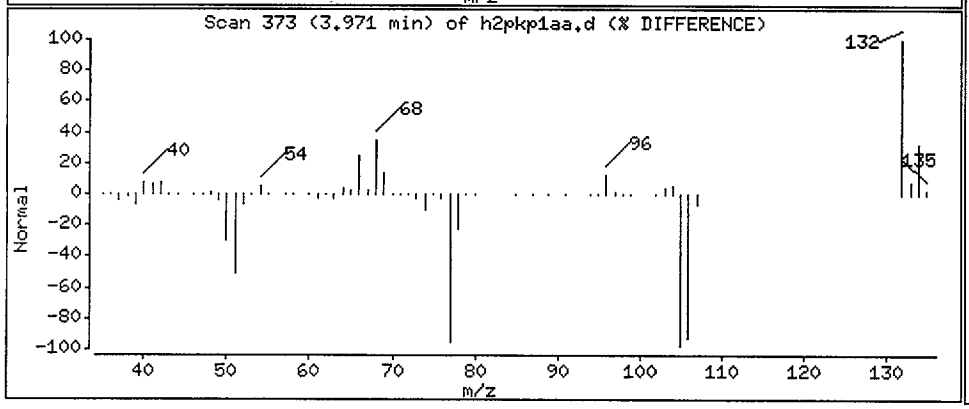
184 Benzaldehyde

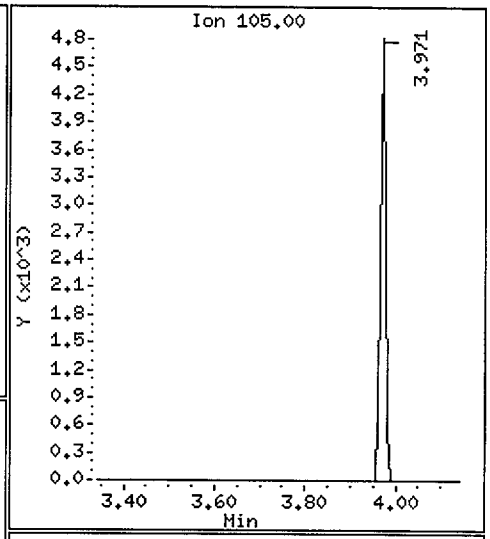
Concentration: 1.22 ug

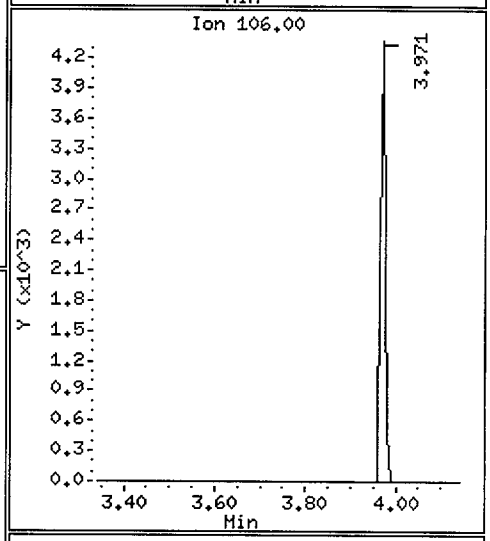


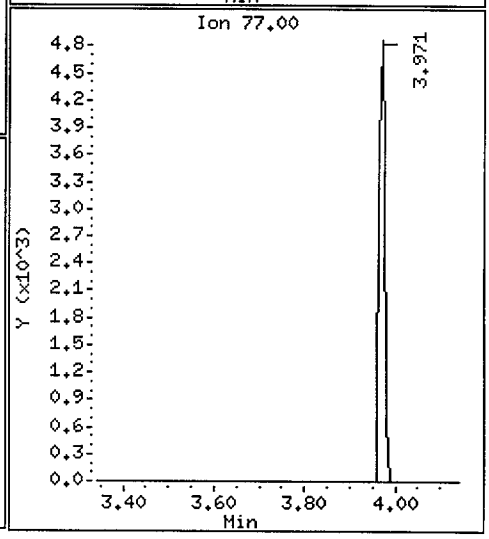












Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d

Date : 28-APR-2006 17:18

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PKP1AA,,3,,,BLK,

Volume Injected (uL): 1.0

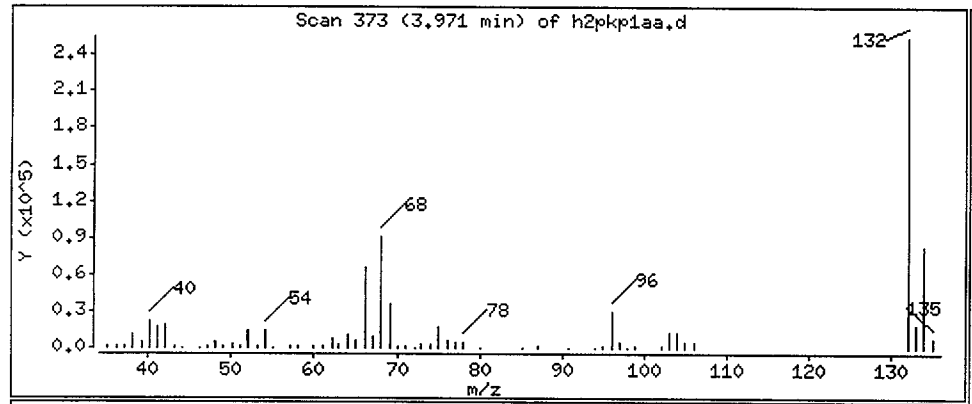
Operator: 60841

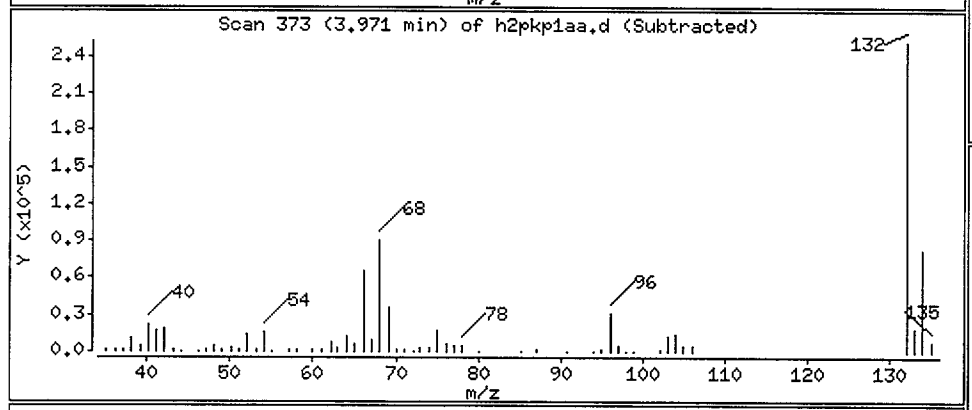
Column phase: ZB-5

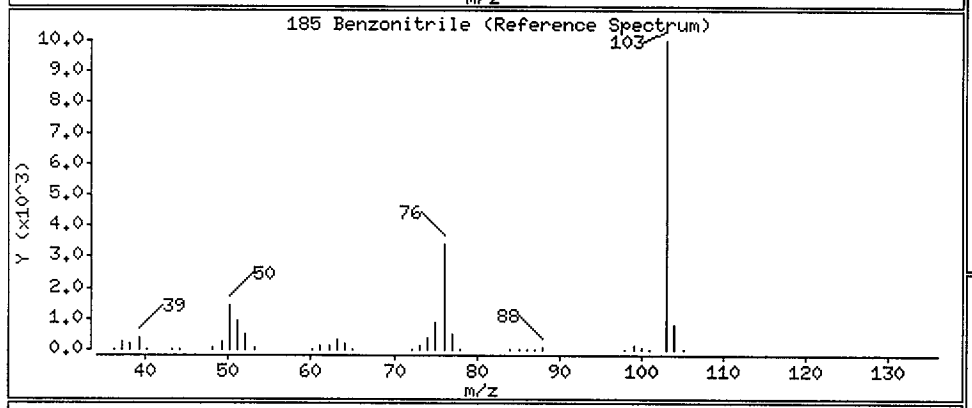
Column diameter: 0.25

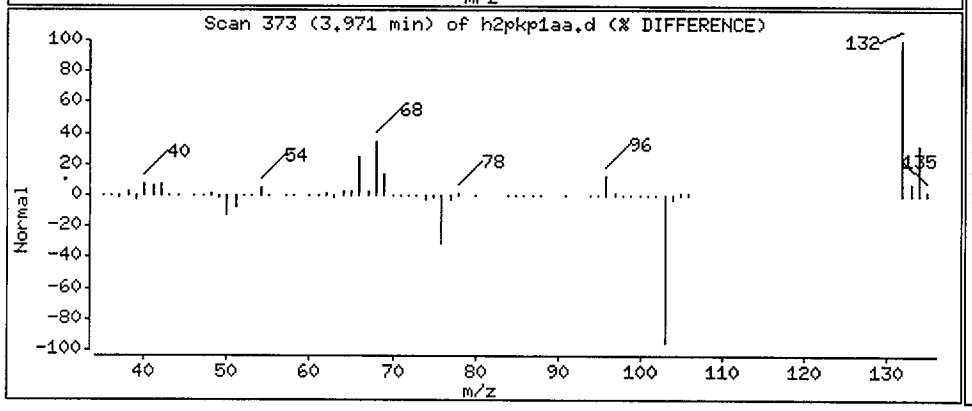
185 Benzonitrile

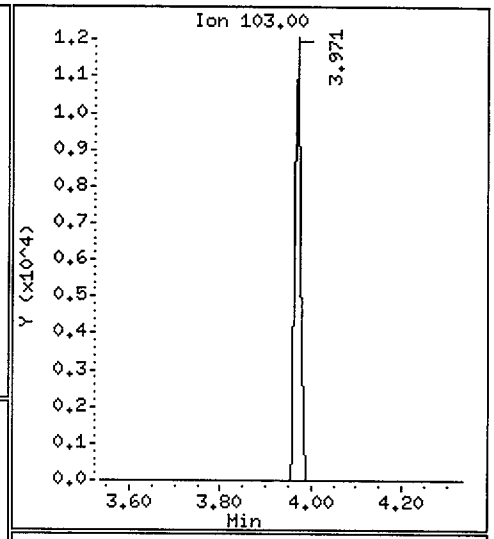
Concentration: 1.38 ug

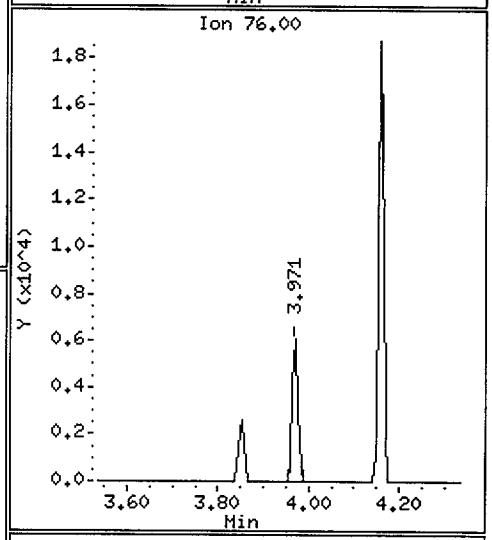


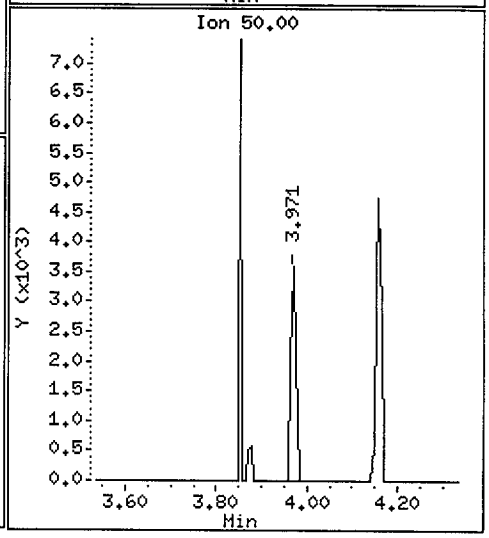












Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Report Date: 03-May-2006 10:18

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d
Lab Smp Id: H2PKP1AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 28-APR-2006 17:18
Operator : 60841 Inst ID: md.i
Smp Info : H2PKP1AA,,3,,,BLK,
Misc Info : D042806,8270a9,westates.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 10:17 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 22 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: westates.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 1,4-Dichlorobenzene-d4	4.159	481888	20.000

	CONCENTRATIONS				QUANT			
RT	HEIGHT	ON-COL(ng/uL)	FINAL(ug)	QUAL	LIBRARY	LIB ENTRY	CPND #	
5-Fluoro-2-chloropyrimidine					CAS #: 62802-42-0			
3.971	844788	35.0615911	35.1	35	NIST05.1	13699	1	
1,4-Dichlorobenzene-D4					CAS #: 3855-82-1			
4.353	706226	29.3107942	29.3	95	NIST05.1	23150	1	

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d

Date : 28-APR-2006 17:18

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PKP1AA,,3,,,BLK,

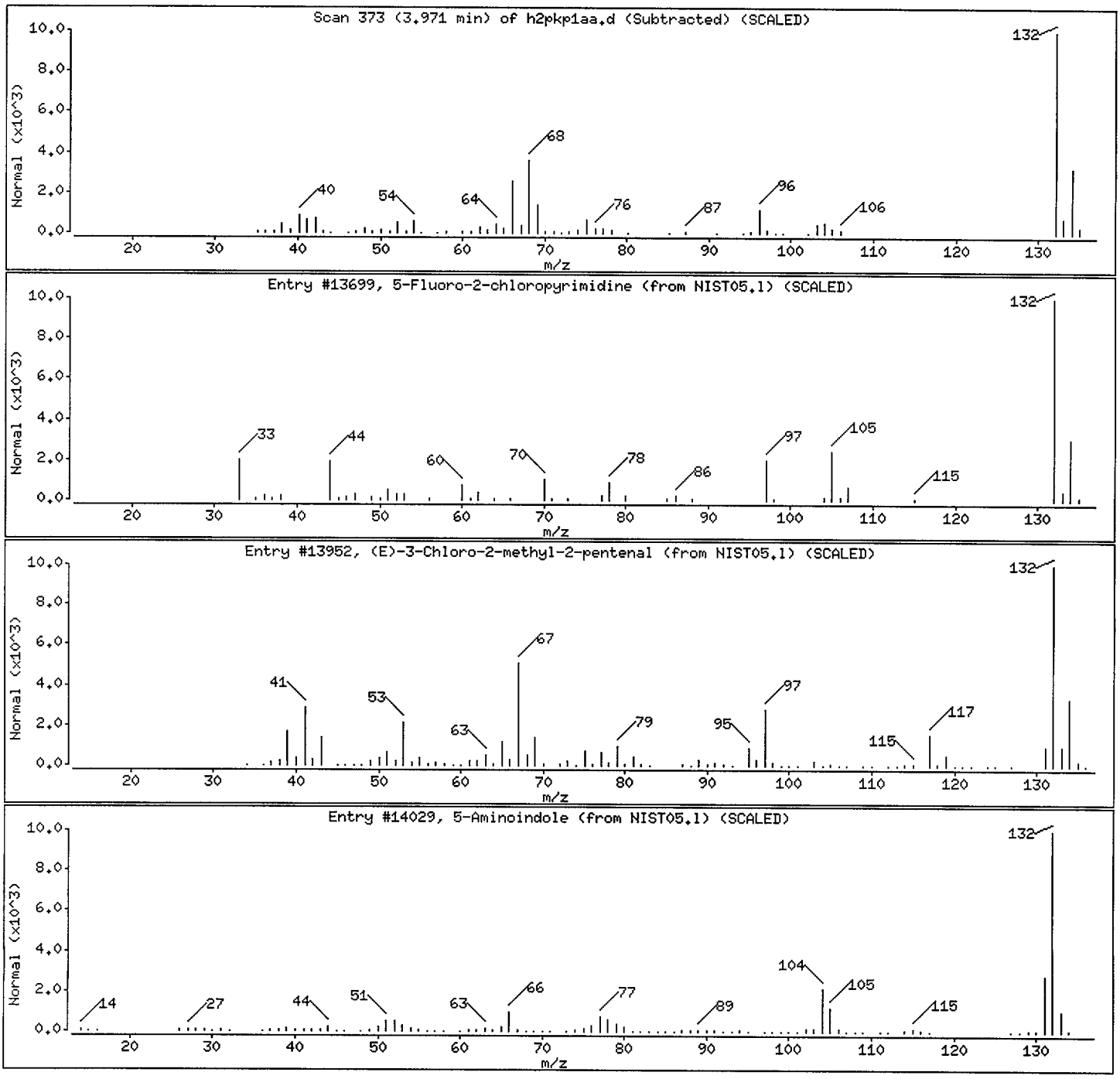
Volume Injected (uL): 1.0

Operator: 60841

Column phase: ZB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
5-Fluoro-2-chloropyrimidine	62802-42-0	NIST05.1	13699	35	C4H2ClFN2	132
(E)-3-Chloro-2-methyl-2-pentenal	31357-76-3	NIST05.1	13952	17	C6H9ClO	132
5-Aminoindole	5192-03-0	NIST05.1	14029	16	C8H8N2	132



Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1aa.d

Date : 28-APR-2006 17:18

Client ID: INTRA-LAB BLANK

Instrument: md.i

Sample Info: H2PKP1AA,,3,,,BLK,

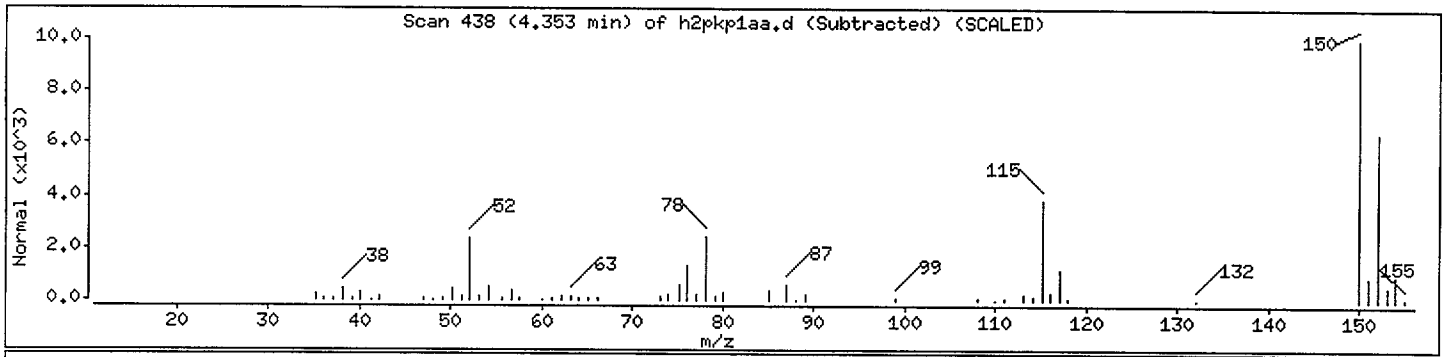
Volume Injected (uL): 1.0

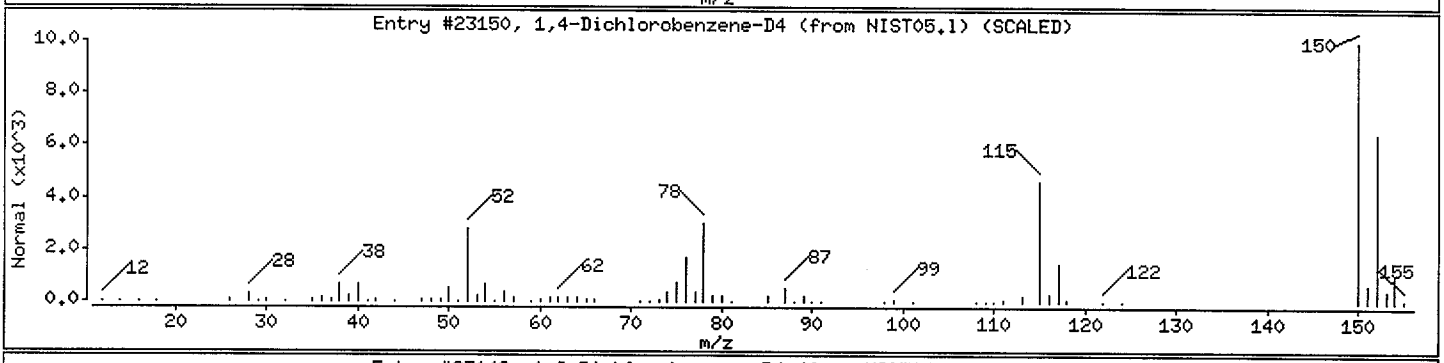
Operator: 60841

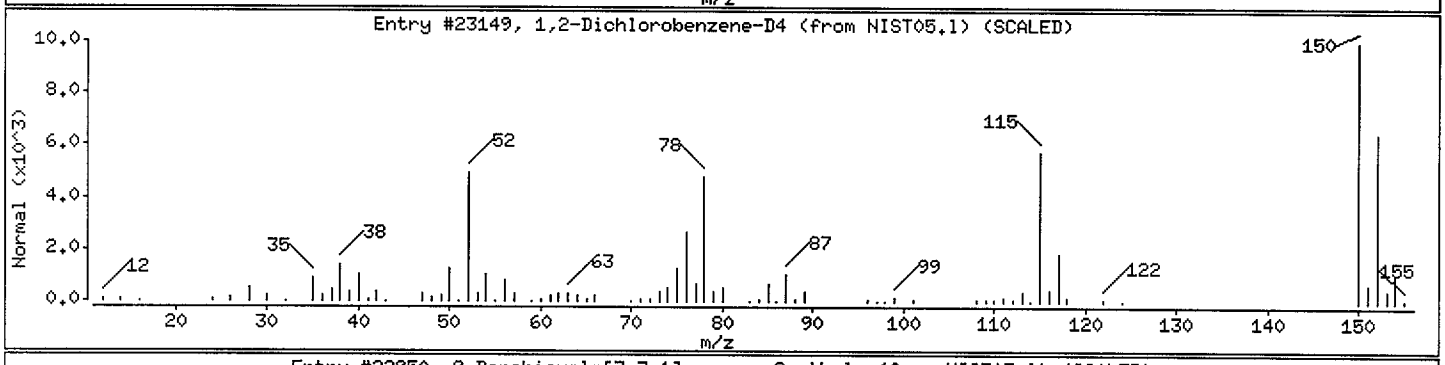
Column phase: ZB-5

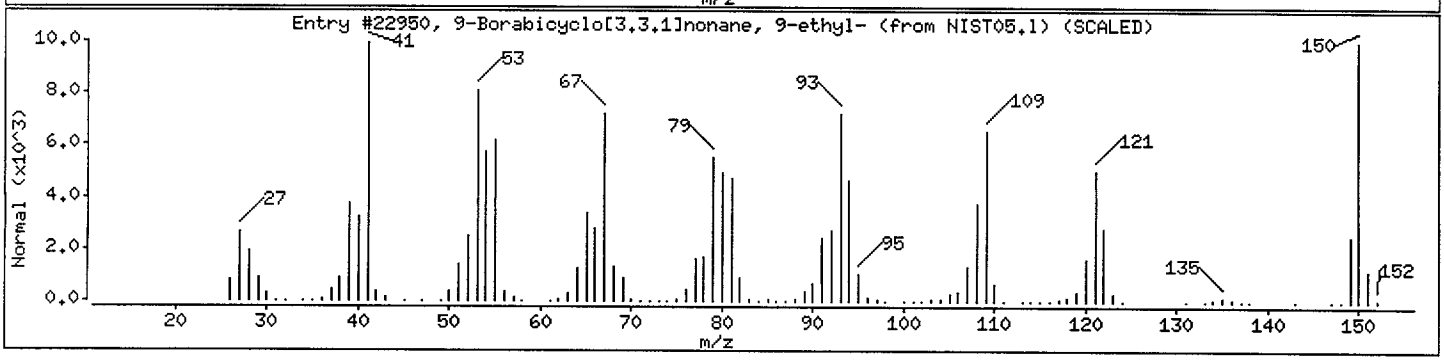
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Dichlorobenzene-D4	3855-82-1	NIST05.1	23150	95	C6D4Cl2	150
1,2-Dichlorobenzene-D4	2199-69-1	NIST05.1	23149	94	C6D4Cl2	150
9-Borabicyclo[3.3.1]nonane, 9-ethyl-	52102-17-7	NIST05.1	22950	38	C10H19B	150









LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**66**	**(66 - 113)**			**SW846 8270C**
	70	**(66 - 113)**	**5.6**	**(0-35)**	**SW846 8270C**
Acenaphthylene	67	(64 - 110)			SW846 8270C
	70	(64 - 110)	5.4	(0-36)	SW846 8270C
Aniline	38	(34 - 148)			SW846 8270C
	45	(34 - 148)	15	(0-35)	SW846 8270C
Anthracene	69	(66 - 118)			SW846 8270C
	71	(66 - 118)	3.2	(0-39)	SW846 8270C
Benzo(a)anthracene	70	(61 - 124)			SW846 8270C
	73	(61 - 124)	4.5	(0-32)	SW846 8270C
Benzo(b)fluoranthene	64	(47 - 150)			SW846 8270C
	67	(47 - 150)	4.1	(0-43)	SW846 8270C
Benzo(k)fluoranthene	73	(39 - 139)			SW846 8270C
	77	(39 - 139)	5.3	(0-43)	SW846 8270C
Benzoic acid	0.0	(37 - 138)			SW846 8270C
	0.0	(37 - 138)	0.0	(0-31)	SW846 8270C
Benzo(ghi)perylene	66	(39 - 139)			SW846 8270C
	70	(39 - 139)	6.0	(0-30)	SW846 8270C
Benzo(a)pyrene	69	(55 - 128)			SW846 8270C
	71	(55 - 128)	3.8	(0-34)	SW846 8270C
Benzyl alcohol	52	(47 - 124)			SW846 8270C
	51	(47 - 124)	1.4	(0-33)	SW846 8270C
bis(2-Chloroethoxy) methane	56 a	(57 - 109)			SW846 8270C
	57	(57 - 109)	2.5	(0-35)	SW846 8270C
bis(2-Chloroethyl)-ether	61	(57 - 117)			SW846 8270C
	62	(57 - 117)	1.8	(0-39)	SW846 8270C
bis(2-Ethylhexyl) phthalate	71	(48 - 133)			SW846 8270C
	75	(48 - 133)	5.6	(0-36)	SW846 8270C
4-Bromophenyl phenyl ether	76	(72 - 137)			SW846 8270C
	79	(72 - 137)	3.5	(0-33)	SW846 8270C
Butyl benzyl phthalate	66	(49 - 124)			SW846 8270C
	70	(49 - 124)	5.0	(0-32)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	67	(38 - 150)			SW846 8270C
	69	(38 - 150)	3.2	(0-33)	SW846 8270C
4-Chloroaniline	50	(24 - 108)			SW846 8270C
	52	(24 - 108)	4.1	(0-33)	SW846 8270C
4-Chloro-3-methylphenol	**59 a**	**(63 - 114)**			**SW846 8270C**
	60 a	**(63 - 114)**	**2.4**	**(0-31)**	**SW846 8270C**
2-Chloronaphthalene	64 a	(66 - 113)			SW846 8270C
	66	(66 - 113)	3.2	(0-36)	SW846 8270C
2-Chlorophenol	**63**	**(59 - 108)**			**SW846 8270C**
	62	**(59 - 108)**	**0.47**	**(0-39)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	71	(67 - 119)			SW846 8270C
	76	(67 - 119)	6.2	(0-35)	SW846 8270C
Chrysene	73	(59 - 121)			SW846 8270C
	76	(59 - 121)	4.4	(0-34)	SW846 8270C
Dibenz(a,h)anthracene	64	(44 - 140)			SW846 8270C
	67	(44 - 140)	4.0	(0-24)	SW846 8270C
Dibenzofuran	70	(69 - 113)			SW846 8270C
	74	(69 - 113)	5.7	(0-34)	SW846 8270C
Di-n-butyl phthalate	67	(58 - 122)			SW846 8270C
	72	(58 - 122)	6.5	(0-30)	SW846 8270C
1,2-Dichlorobenzene	65	(46 - 101)			SW846 8270C
	67	(46 - 101)	3.2	(0-42)	SW846 8270C
1,3-Dichlorobenzene	63	(43 - 101)			SW846 8270C
	65	(43 - 101)	3.1	(0-37)	SW846 8270C
1,4-Dichlorobenzene	**64**	**(43 - 99)**			**SW846 8270C**
	67	**(43 - 99)**	**5.2**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	44	(16 - 100)			SW846 8270C
	41	(16 - 100)	5.7	(0-38)	SW846 8270C
2,4-Dichlorophenol	63	(63 - 114)			SW846 8270C
	67	(63 - 114)	5.5	(0-37)	SW846 8270C
Diethyl phthalate	65	(30 - 117)			SW846 8270C
	69	(30 - 117)	6.1	(0-31)	SW846 8270C
2,4-Dimethylphenol	20	(15 - 85)			SW846 8270C
	10 a,p	(15 - 85)	64	(0-40)	SW846 8270C
Dimethyl phthalate	66	(25 - 116)			SW846 8270C
	71	(25 - 116)	7.1	(0-32)	SW846 8270C
4,6-Dinitro-2-methylphenol	69	(59 - 136)			SW846 8270C
	75	(59 - 136)	8.3	(0-36)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	55	(47 - 150)			SW846 8270C
	50	(47 - 150)	9.4	(0-40)	SW846 8270C
2,4-Dinitrotoluene	**72**	**(71 - 122)**			**SW846 8270C**
	78	**(71 - 122)**	**7.1**	**(0-33)**	**SW846 8270C**
2,6-Dinitrotoluene	72	(68 - 119)			SW846 8270C
	77	(68 - 119)	7.2	(0-33)	SW846 8270C
Di-n-octyl phthalate	68	(42 - 140)			SW846 8270C
	73	(42 - 140)	6.9	(0-30)	SW846 8270C
1,2-Diphenylhydrazine	57	(55 - 136)			SW846 8270C
	60	(55 - 136)	5.4	(0-34)	SW846 8270C
Fluoranthene	76	(65 - 120)			SW846 8270C
	80	(65 - 120)	5.0	(0-33)	SW846 8270C
Fluorene	70	(68 - 117)			SW846 8270C
	74	(68 - 117)	5.4	(0-34)	SW846 8270C
Hexachlorobenzene	61 a	(65 - 123)			SW846 8270C
	65	(65 - 123)	6.4	(0-34)	SW846 8270C
Hexachlorobutadiene	54	(52 - 105)			SW846 8270C
	56	(52 - 105)	2.9	(0-34)	SW846 8270C
Hexachlorocyclopenta-diene	37	(15 - 99)			SW846 8270C
	40	(15 - 99)	9.0	(0-48)	SW846 8270C
Hexachloroethane	56	(36 - 101)			SW846 8270C
	58	(36 - 101)	4.6	(0-38)	SW846 8270C
Indeno(1,2,3-cd)pyrene	66	(41 - 140)			SW846 8270C
	67	(41 - 140)	1.4	(0-25)	SW846 8270C
Isophorone	59 a	(60 - 112)			SW846 8270C
	60	(60 - 112)	1.8	(0-34)	SW846 8270C
2-Methylnaphthalene	71	(66 - 115)			SW846 8270C
	73	(66 - 115)	1.8	(0-33)	SW846 8270C
2-Methylphenol	56	(55 - 109)			SW846 8270C
	53 a	(55 - 109)	5.7	(0-36)	SW846 8270C
Naphthalene	62	(61 - 108)			SW846 8270C
	65	(61 - 108)	4.1	(0-31)	SW846 8270C
2-Nitroaniline	56	(52 - 126)			SW846 8270C
	60	(52 - 126)	6.5	(0-32)	SW846 8270C
3-Nitroaniline	60	(32 - 135)			SW846 8270C
	64	(32 - 135)	5.9	(0-26)	SW846 8270C
4-Nitroaniline	58	(49 - 144)			SW846 8270C
	60	(49 - 144)	2.0	(0-28)	SW846 8270C
Nitrobenzene	56 a	(58 - 114)			SW846 8270C
	59	(58 - 114)	4.2	(0-42)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Nitrophenol	69	(64 - 116)			SW846 8270C
	71	(64 - 116)	3.6	(0-37)	SW846 8270C
4-Nitrophenol	**38 a**	**(47 - 134)**			**SW846 8270C**
	43 a	**(47 - 134)**	**12**	**(0-26)**	**SW846 8270C**
N-Nitrosodimethylamine	49	(46 - 105)			SW846 8270C
	51	(46 - 105)	3.2	(0-40)	SW846 8270C
N-Nitrosodiphenylamine	78	(52 - 122)			SW846 8270C
	79	(52 - 122)	2.2	(0-35)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**60**	**(44 - 119)**			**SW846 8270C**
	63	**(44 - 119)**	**4.5**	**(0-38)**	**SW846 8270C**
Pentachlorophenol	**60 a**	**(63 - 123)**			**SW846 8270C**
	63	**(63 - 123)**	**4.4**	**(0-26)**	**SW846 8270C**
Phenanthrene	71	(65 - 121)			SW846 8270C
	74	(65 - 121)	3.8	(0-32)	SW846 8270C
Phenol	**46 a**	**(58 - 114)**			**SW846 8270C**
	49 a	**(58 - 114)**	**5.5**	**(0-36)**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	56	(15 - 147)			SW846 8270C
	56	(15 - 147)	1.6	(0-45)	SW846 8270C
Pyrene	**78**	**(60 - 122)**			**SW846 8270C**
	82	**(60 - 122)**	**5.4**	**(0-34)**	**SW846 8270C**
Pyridine	28 a	(46 - 105)			SW846 8270C
	39 a	(46 - 105)	32	(0-41)	SW846 8270C
1,2,4-Trichloro-benzene	**65**	**(59 - 111)**			**SW846 8270C**
	66	**(59 - 111)**	**1.7**	**(0-33)**	**SW846 8270C**
2,4,5-Trichloro-phenol	66 a	(68 - 117)			SW846 8270C
	71	(68 - 117)	8.5	(0-36)	SW846 8270C
2,4,6-Trichloro-phenol	64	(64 - 117)			SW846 8270C
	67	(64 - 117)	4.6	(0-35)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(19 - 100)
	45	(19 - 100)
Phenol-d5	43	(15 - 124)
	44	(15 - 124)
Nitrobenzene-d5	56	(35 - 122)
	58	(35 - 122)
2-Fluorobiphenyl	68	(34 - 115)
	71	(34 - 115)
2,4,6-Tribromophenol	60	(33 - 130)
	59	(33 - 130)
Terphenyl-d14	68	(28 - 132)
	71	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/28/06
Prep Batch #...: 6096189
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**66.5**	**ug**	**66**		**SW846 8270C**
	100	**70.3**	**ug**	**70**	**5.6**	**SW846 8270C**
Acenaphthylene	100	66.7	ug	67		SW846 8270C
	100	70.4	ug	70	5.4	SW846 8270C
Aniline	100	38.3	ug	38		SW846 8270C
	100	44.7	ug	45	15	SW846 8270C
Anthracene	100	68.7	ug	69		SW846 8270C
	100	70.9	ug	71	3.2	SW846 8270C
Benzo(a)anthracene	100	70.0	ug	70		SW846 8270C
	100	73.2	ug	73	4.5	SW846 8270C
Benzo(b)fluoranthene	100	64.1	ug	64		SW846 8270C
	100	66.8	ug	67	4.1	SW846 8270C
Benzo(k)fluoranthene	100	73.3	ug	73		SW846 8270C
	100	77.3	ug	77	5.3	SW846 8270C
Benzoic acid	100		ug	0.0		SW846 8270C
	100		ug	0.0	0.0	SW846 8270C
Benzo(ghi)perylene	100	66.2	ug	66		SW846 8270C
	100	70.3	ug	70	6.0	SW846 8270C
Benzo(a)pyrene	100	68.7	ug	69		SW846 8270C
	100	71.4	ug	71	3.8	SW846 8270C
Benzyl alcohol	100	51.5	ug	52		SW846 8270C
	100	50.8	ug	51	1.4	SW846 8270C
bis(2-Chloroethoxy) methane	100	56.0 a	ug	56		SW846 8270C
	100	57.4	ug	57	2.5	SW846 8270C
bis(2-Chloroethyl)-ether	100	60.8	ug	61		SW846 8270C
	100	61.9	ug	62	1.8	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	71.1	ug	71		SW846 8270C
	100	75.2	ug	75	5.6	SW846 8270C
4-Bromophenyl phenyl ether	100	75.9	ug	76		SW846 8270C
	100	78.6	ug	79	3.5	SW846 8270C
Butyl benzyl phthalate	100	66.4	ug	66		SW846 8270C
	100	69.8	ug	70	5.0	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbazole	100	66.7	ug	67		SW846 8270C
	100	68.9	ug	69	3.2	SW846 8270C
4-Chloroaniline	100	49.9	ug	50		SW846 8270C
	100	52.0	ug	52	4.1	SW846 8270C
4-Chloro-3-methylphenol	**100**	**58.8 a**	**ug**	**59**		**SW846 8270C**
	100	**60.2 a**	**ug**	**60**	**2.4**	**SW846 8270C**
2-Chloronaphthalene	100	64.3 a	ug	64		SW846 8270C
	100	66.4	ug	66	3.2	SW846 8270C
2-Chlorophenol	**100**	**62.8**	**ug**	**63**		**SW846 8270C**
	100	**62.5**	**ug**	**62**	**0.47**	**SW846 8270C**
4-Chlorophenyl phenyl ether	100	71.4	ug	71		SW846 8270C
	100	76.0	ug	76	6.2	SW846 8270C
Chrysene	100	73.0	ug	73		SW846 8270C
	100	76.3	ug	76	4.4	SW846 8270C
Dibenz(a,h)anthracene	100	64.3	ug	64		SW846 8270C
	100	66.9	ug	67	4.0	SW846 8270C
Dibenzofuran	100	70.0	ug	70		SW846 8270C
	100	74.1	ug	74	5.7	SW846 8270C
Di-n-butyl phthalate	100	67.4	ug	67		SW846 8270C
	100	71.9	ug	72	6.5	SW846 8270C
1,2-Dichlorobenzene	100	64.6	ug	65		SW846 8270C
	100	66.7	ug	67	3.2	SW846 8270C
1,3-Dichlorobenzene	100	63.3	ug	63		SW846 8270C
	100	65.3	ug	65	3.1	SW846 8270C
1,4-Dichlorobenzene	**100**	**63.5**	**ug**	**64**		**SW846 8270C**
	100	**66.9**	**ug**	**67**	**5.2**	**SW846 8270C**
3,3'-Dichlorobenzidine	100	43.6	ug	44		SW846 8270C
	100	41.2	ug	41	5.7	SW846 8270C
2,4-Dichlorophenol	100	63.4	ug	63		SW846 8270C
	100	67.0	ug	67	5.5	SW846 8270C
Diethyl phthalate	100	65.0	ug	65		SW846 8270C
	100	69.1	ug	69	6.1	SW846 8270C
2,4-Dimethylphenol	100	19.7	ug	20		SW846 8270C
	100	10.2 a,p	ug	10	64	SW846 8270C
Dimethyl phthalate	100	66.2	ug	66		SW846 8270C
	100	71.1	ug	71	7.1	SW846 8270C
4,6-Dinitro-2-methylphenol	100	69.3	ug	69		SW846 8270C
	100	75.3	ug	75	8.3	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-Dinitrophenol	100	54.7	ug	55		SW846 8270C
	100	49.8	ug	50	9.4	SW846 8270C
2,4-Dinitrotoluene	**100**	**72.3**	**ug**	**72**		**SW846 8270C**
	100	**77.6**	**ug**	**78**	**7.1**	**SW846 8270C**
2,6-Dinitrotoluene	100	71.8	ug	72		SW846 8270C
	100	77.2	ug	77	7.2	SW846 8270C
Di-n-octyl phthalate	100	68.3	ug	68		SW846 8270C
	100	73.2	ug	73	6.9	SW846 8270C
1,2-Diphenylhydrazine	100	57.2	ug	57		SW846 8270C
	100	60.4	ug	60	5.4	SW846 8270C
Fluoranthene	100	75.6	ug	76		SW846 8270C
	100	79.5	ug	80	5.0	SW846 8270C
Fluorene	100	69.9	ug	70		SW846 8270C
	100	73.8	ug	74	5.4	SW846 8270C
Hexachlorobenzene	100	60.8 a	ug	61		SW846 8270C
	100	64.8	ug	65	6.4	SW846 8270C
Hexachlorobutadiene	100	54.2	ug	54		SW846 8270C
	100	55.8	ug	56	2.9	SW846 8270C
Hexachlorocyclopenta-diene	100	37.0	ug	37		SW846 8270C
	100	40.5	ug	40	9.0	SW846 8270C
Hexachloroethane	100	55.8	ug	56		SW846 8270C
	100	58.4	ug	58	4.6	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	66.2	ug	66		SW846 8270C
	100	67.1	ug	67	1.4	SW846 8270C
Isophorone	100	59.0 a	ug	59		SW846 8270C
	100	60.1	ug	60	1.8	SW846 8270C
2-Methylnaphthalene	100	71.4	ug	71		SW846 8270C
	100	72.7	ug	73	1.8	SW846 8270C
2-Methylphenol	100	55.9	ug	56		SW846 8270C
	100	52.8 a	ug	53	5.7	SW846 8270C
Naphthalene	100	62.0	ug	62		SW846 8270C
	100	64.6	ug	65	4.1	SW846 8270C
2-Nitroaniline	100	56.2	ug	56		SW846 8270C
	100	60.0	ug	60	6.5	SW846 8270C
3-Nitroaniline	100	60.5	ug	60		SW846 8270C
	100	64.2	ug	64	5.9	SW846 8270C
4-Nitroaniline	100	58.5	ug	58		SW846 8270C
	100	59.7	ug	60	2.0	SW846 8270C
Nitrobenzene	100	56.5 a	ug	56		SW846 8270C
	100	58.9	ug	59	4.2	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Nitrophenol	100	68.7	ug	69		SW846 8270C
	100	71.2	ug	71	3.6	SW846 8270C
4-Nitrophenol	**100**	**38.1 a**	**ug**	**38**		**SW846 8270C**
	100	**42.8 a**	**ug**	**43**	**12**	**SW846 8270C**
N-Nitrosodimethylamine	100	49.0	ug	49		SW846 8270C
	100	50.6	ug	51	3.2	SW846 8270C
N-Nitrosodiphenylamine	100	77.6	ug	78		SW846 8270C
	100	79.3	ug	79	2.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	**100**	**60.5**	**ug**	**60**		**SW846 8270C**
	100	**63.3**	**ug**	**63**	**4.5**	**SW846 8270C**
Pentachlorophenol	**100**	**59.9 a**	**ug**	**60**		**SW846 8270C**
	100	**62.6**	**ug**	**63**	**4.4**	**SW846 8270C**
Phenanthrene	100	71.4	ug	71		SW846 8270C
	100	74.2	ug	74	3.8	SW846 8270C
Phenol	**100**	**46.3 a**	**ug**	**46**		**SW846 8270C**
	100	**48.9 a**	**ug**	**49**	**5.5**	**SW846 8270C**
bis(2-Chloroisopropyl) ether	100	55.5	ug	56		SW846 8270C
	100	56.4	ug	56	1.6	SW846 8270C
Pyrene	**100**	**77.7**	**ug**	**78**		**SW846 8270C**
	100	**82.0**	**ug**	**82**	**5.4**	**SW846 8270C**
Pyridine	100	27.9 a	ug	28		SW846 8270C
	100	38.7 a	ug	39	32	SW846 8270C
1,2,4-Trichloro-benzene	**100**	**65.4**	**ug**	**65**		**SW846 8270C**
	100	**66.5**	**ug**	**66**	**1.7**	**SW846 8270C**
2,4,5-Trichloro-phenol	100	65.5 a	ug	66		SW846 8270C
	100	71.3	ug	71	8.5	SW846 8270C
2,4,6-Trichloro-phenol	100	64.4	ug	64		SW846 8270C
	100	67.4	ug	67	4.6	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKP1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-189 H2PKP1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(19 - 100)
	45	(19 - 100)
Phenol-d5	43	(15 - 124)
	44	(15 - 124)
Nitrobenzene-d5	56	(35 - 122)
	58	(35 - 122)
2-Fluorobiphenyl	68	(34 - 115)
	71	(34 - 115)
2,4,6-Tribromophenol	60	(33 - 130)
	59	(33 - 130)
Terphenyl-d14	68	(28 - 132)
	71	(28 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Report Date: 03-May-2006 10:03

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Lab Smp Id: H2PKP1AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 28-APR-2006 17:41
Operator : 60841 Inst ID: md.i
Smp Info : H2PKP1AC,,3,,,LCS,
Misc Info : D042806,8270a9,8270.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 09:58 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 23 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	68892	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	246185	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	172434	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	302628	20.0000	
* 5 Chrysene-d12	240	12.009	12.003	(1.000)	308462	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	269927	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	157218	32.6330	32.6
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	185719	31.9575	32.0
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	156593	28.2180	28.2
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	386155	33.9696	34.0
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	85892	44.7598	44.8
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	512040	34.1287	34.1
13 N-Nitrosodimethylamine	74	2.049	2.050	(0.493)	112724	49.0230	49.0

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Report Date: 03-May-2006 10:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
14 Pyridine	79	2.067	2.067	(0.497)	128354	27.9171	27.9(R)
15 Phenol (ccc)	94	3.865	3.865	(0.929)	284657	46.3443	46.3(R)
16 Aniline	93	3.871	3.871	(0.931)	262752	38.3080	38.3
17 Bis(2-chloroethyl)ether	93	3.930	3.930	(0.945)	261151	60.7567	60.8
18 2-Chlorophenol	128	3.988	3.989	(0.959)	286912	62.8289	62.8(R)
19 1,3-Dichlorobenzene	146	4.124	4.124	(0.992)	331085	63.3133	63.3
20 1,4-Dichlorobenzene (ccc)	146	4.176	4.177	(1.004)	335633	63.5348	63.5(R)
21 Benzyl alcohol	108	4.323	4.323	(1.040)	156783	51.4721	51.5
22 1,2-Dichlorobenzene	146	4.370	4.370	(1.051)	327025	64.5923	64.6
23 2-Methylphenol	108	4.476	4.476	(1.076)	243947	55.9078	55.9
24 2,2'-Oxybis(1-Chloropropane)	45	4.494	4.494	(1.081)	409192	55.5480	55.5
25 4-Methylphenol	108	4.652	4.647	(1.119)	523840	115.486	115
26 3&4 Methylphenol	108	4.652	4.647	(1.119)	523840	115.486	115
27 N-Nitroso-di-n-propylamine###	70	4.658	4.658	(1.120)	204921	60.5416	60.5(R)
28 Hexachloroethane	117	4.723	4.723	(1.136)	114570	55.7653	55.8
29 Nitrobenzene	77	4.834	4.835	(0.841)	304260	56.5491	56.5
30 Isophorone	82	5.140	5.140	(0.894)	589589	59.0164	59.0
31 2-Nitrophenol (ccc)	139	5.263	5.258	(0.915)	167527	68.6680	68.7
32 2,4-Dimethyphenol	107	5.340	5.340	(0.928)	106821	19.7413	19.7(R)
33 Bis(2-chloroethoxy)methane	93	5.463	5.463	(0.950)	321780	56.0096	56.0
34 Benzoic acid	122	5.457	5.504	(0.949)	3177	1.13616	~~1.14(R)~~
35 2,4-Dichlorophenol (ccc)	162	5.587	5.587	(0.971)	273002	63.4165	63.4
36 1,2,4-Trichlorobenzene	180	5.698	5.698	(0.991)	313271	65.3768	65.4(R)
37 Naphthalene	128	5.775	5.775	(1.004)	893078	61.9512	62.0
38 4-Chloroaniline	127	5.898	5.898	(1.026)	310043	49.8947	49.9
39 Hexachlorobutadiene (ccc)	225	6.057	6.051	(1.053)	187341	54.1845	54.2
40 4-Chloro-3-methylphenol (ccc)	107	6.632	6.633	(1.153)	265600	58.7774	58.8(R)
41 2-Methylnaphthalene	142	6.773	6.774	(1.178)	657348	71.4322	71.4
42 Hexachlorocyclopentadiene####	237	7.167	7.167	(0.852)	143244	37.0101	37.0
43 2,4,6-Trichlorophenol (ccc)	196	7.326	7.326	(0.871)	226934	64.4040	64.4
44 2,4,5-Trichlorphenol	196	7.396	7.396	(0.879)	255126	65.4755	65.5
45 2-Chloronaphthalene	162	7.596	7.596	(0.903)	666656	64.2898	64.3
46 2-Nitroaniline	65	7.831	7.831	(0.931)	185569	56.2389	56.2
47 Acenaphthylene	152	8.213	8.207	(0.976)	1085846	66.7205	66.7
48 Dimethyl phthalate	163	8.172	8.172	(0.971)	790059	66.2223	66.2
49 2,6-Dinitrotoluene	165	8.242	8.242	(0.980)	183155	71.8181	71.8
50 3-Nitroaniline	138	8.413	8.407	(1.000)	184743	60.5387	60.5
51 Acenaphthene (ccc)	153	8.454	8.454	(1.005)	650292	66.5454	66.5
52 2,4-Dinitrophenol ##spcc##	184	8.536	8.536	(1.015)	64396	54.6861	54.7
53 Dibenzofuran	168	8.648	8.648	(1.028)	1020456	69.9969	70.0
54 4-Nitrophenol ##spcc##	109	8.683	8.677	(1.032)	72441	38.0615	38.1(R)
55 2,4-Dinitrotoluene	165	8.724	8.718	(1.037)	248475	72.3267	72.3
56 Fluorene	166	9.036	9.036	(1.074)	849512	69.9211	69.9
57 4-Chlorophenyl phenyl ether	204	9.059	9.059	(1.077)	431321	71.3662	71.4
58 Diethyl phthalate	149	9.024	9.024	(1.073)	763749	65.0437	65.0
59 4-Nitroaniline	138	9.118	9.112	(1.084)	180631	58.5282	58.5
60 4,6-Dinitro-2-methylphenol	198	9.159	9.159	(0.923)	132030	69.3426	69.3

KRM 5/3/06

Data File: /var/chem/gcms/md.i/D042806.b/h2pkplac.d
Report Date: 03-May-2006 10:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
61 N-Ndpa / diphenylamine (ccc)	169	9.194	9.188	(0.927)	614302	77.6088	77.6
62 1,2-Diphenylhydrazine/azobnz	77	9.218	9.212	(0.929)	702817	57.2519	57.2
63 4-Bromophenyl phenyl ether	248	9.535	9.535	(0.961)	255558	75.8828	75.9
64 Hexachlorobenzene	284	9.658	9.658	(0.973)	255876	60.7737	60.8
65 Pentachlorophenol (ccc)	266	9.829	9.829	(0.991)	163226	59.8820	59.9(R)
66 Phenanthrene	178	9.946	9.946	(1.002)	1302592	71.3832	71.4
67 Anthracene	178	9.981	9.982	(1.006)	1254154	68.7020	68.7
68 Carbazole	167	10.134	10.134	(1.021)	1147351	66.7093	66.7
69 Di-n-butyl phthalate	149	10.475	10.469	(1.056)	1313711	67.3545	67.4
70 Fluoranthene (ccc)	202	10.916	10.910	(1.100)	1489401	75.5650	75.6
71 Pyrene	202	11.080	11.080	(0.923)	1533293	77.7183	77.7
72 Butyl benzyl phthalate	149	11.580	11.580	(0.964)	587146	66.4102	66.4
73 Benzo(a)Anthracene	228	11.991	11.991	(0.999)	1413521	69.9845	70.0(R)
74 3,3'-Dichlorobenzidine	252	11.973	11.973	(0.997)	333351	43.5984	43.6
75 Chrysene	228	12.026	12.026	(1.001)	1411197	72.9693	73.0
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	799334	71.1408	71.1
77 Di-n-octyl phthalate (ccc)	149	12.584	12.585	(0.951)	1348477	68.3299	68.3
78 Benzo(b)fluoranthene	252	12.931	12.925	(0.977)	1329935	64.1161	64.1
79 Benzo(k)fluoranthene	252	12.949	12.943	(0.979)	1552867	73.3127	73.3
80 Benzo(a)pyrene (ccc)	252	13.190	13.190	(0.997)	1187402	68.6892	68.7
81 Indeno(1,2,3-cd)pyrene	276	14.241	14.241	(1.076)	1267178	66.1635	66.2(R)
82 Dibenz(a,h)anthracene	278	14.247	14.247	(1.077)	1031781	64.2751	64.3(R)
83 Benzo(g,h,i)perylene	276	14.523	14.518	(1.098)	1072759	66.2244	66.2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Report Date: 03-May-2006 10:03

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pkp1ac.d
Lab Smp Id: H2PKP1AC
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	68892	11.99
2 Naphthalene-d8	201763	100882	403526	246185	22.02
3 Acenaphthene-d10	143273	71636	286546	172434	20.35
4 Phenanthrene-d10	247023	123512	494046	302628	22.51
5 Chrysene-d12	265356	132678	530712	308462	16.24
6 Perylene-d12	233795	116898	467590	269927	15.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.01	0.05
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Report Date: 03-May-2006 10:03

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PKP1AC
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: 8270.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB CHECK
Operator: 60841
SampleType: METHOD SPIKE
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
13 N-Nitrosodimethyla	100	49.0	49.02	35-150
14 Pyridine	100	27.9	27.92*	35-150
15 Phenol (ccc)	100	46.3	46.34*	59-117
16 Aniline	100	38.3	38.31	35-150
17 Bis(2-chloroethyl)	100	60.8	60.76	35-150
18 2-Chlorophenol	100	62.8	62.83*	63-114
19 1,3-Dichlorobenzen	100	63.3	63.31	35-150
20 1,4-Dichlorobenzen	100	63.5	63.53*	65-111
21 Benzyl alcohol	100	51.5	51.47	35-150
22 1,2-Dichlorobenzen	100	64.6	64.59	35-150
23 2-Methylphenol	100	55.9	55.91	35-150
24 2,2'-Oxybis(1-Chlo	100	55.5	55.55	35-150
25 4-Methylphenol	200	115	57.74	35-150
26 3&4 Methylphenol	200	115	57.74	35-150
27 N-Nitroso-di-n-pro	100	60.5	60.54*	62-114
28 Hexachloroethane	100	55.8	55.77	35-150
29 Nitrobenzene	100	56.5	56.55	35-150
30 Isophorone	100	59.0	59.02	35-150
31 2-Nitrophenol (ccc	100	68.7	68.67	35-150
32 2,4-Dimethyphenol	100	19.7	19.74*	35-150
33 Bis(2-chloroethoxy	100	56.0	56.01	35-150
34 Benzoic acid	100	1.14	1.14*	35-150
35 2,4-Dichlorophenol	100	63.4	63.42	35-150
36 1,2,4-Trichloroben	100	65.4	65.38*	66-113
37 Naphthalene	100	62.0	61.95	60-100
38 4-Chloroaniline	100	49.9	49.89	35-150
39 Hexachlorobutadien	100	54.2	54.18	35-150
40 4-Chloro-3-methylp	100	58.8	58.78*	71-118
41 2-Methylnaphthalen	100	71.4	71.43	35-150
42 Hexachlorocyclopen	100	37.0	37.01	35-150
43 2,4,6-Trichlorophe	100	64.4	64.40	35-150
44 2,4,5-Trichlorphen	100	65.5	65.48	35-150
45 2-Chloronaphthalen	100	64.3	64.29	35-150

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Report Date: 03-May-2006 10:03

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
46 2-Nitroaniline	100	56.2	56.24	35-150
47 Acenaphthylene	100	66.7	66.72	60-106
48 Dimethyl phthalate	100	66.2	66.22	35-150
49 2,6-Dinitrotoluene	100	71.8	71.82	35-150
50 3-Nitroaniline	100	60.5	60.54	35-150
51 Acenaphthene (ccc)	100	66.5	66.55	65-107
52 2,4-Dinitrophenol	100	54.7	54.69	35-150
53 Dibenzofuran	100	70.0	70.00	35-150
54 4-Nitrophenol ##sp	100	38.1	38.06*	61-128
55 2,4-Dinitrotoluene	100	72.3	72.33	72-131
56 Fluorene	100	69.9	69.92	60-113
57 4-Chlorophenyl phe	100	71.4	71.37	35-150
58 Diethyl phthalate	100	65.0	65.04	35-150
59 4-Nitroaniline	100	58.5	58.53	35-150
60 4,6-Dinitro-2-meth	100	69.3	69.34	35-150
61 N-Ndpa / diphenyla	100	77.6	77.61	35-150
62 1,2-Diphenylhydraz	100	57.2	57.25	35-150
63 4-Bromophenyl phen	100	75.9	75.88	35-150
64 Hexachlorobenzene	100	60.8	60.77	35-150
65 Pentachlorophenol	100	59.9	59.88*	71-122
66 Phenanthrene	100	71.4	71.38	65-108
67 Anthracene	100	68.7	68.70	67-114
68 Carbazole	100	66.7	66.71	35-150
69 Di-n-butyl phthala	100	67.4	67.35	35-150
70 Fluoranthene (ccc)	100	75.6	75.57	65-115
71 Pyrene	100	77.7	77.72	67-114
72 Butyl benzyl phtha	100	66.4	66.41	35-150
73 Benzo(a)Anthracene	100	70.0	69.98*	70-114
74 3,3'-Dichlorobenzi	100	43.6	43.60	35-150
75 Chrysene	100	73.0	72.97	68-111
76 Bis(2-ethylhexyl)	100	71.1	71.14	35-150
77 Di-n-octyl phthala	100	68.3	68.33	35-150
78 Benzo(b)fluoranthe	100	64.1	64.12	60-120
79 Benzo(k)fluoranthe	100	73.3	73.31	61-119
80 Benzo(a)pyrene (cc	100	68.7	68.69	67-111
81 Indeno(1,2,3-cd)py	100	66.2	66.16*	67-120
82 Dibenz(a,h)anthrac	100	64.3	64.28*	71-120
83 Benzo(g,h,i)peryle	100	66.2	66.22	63-120

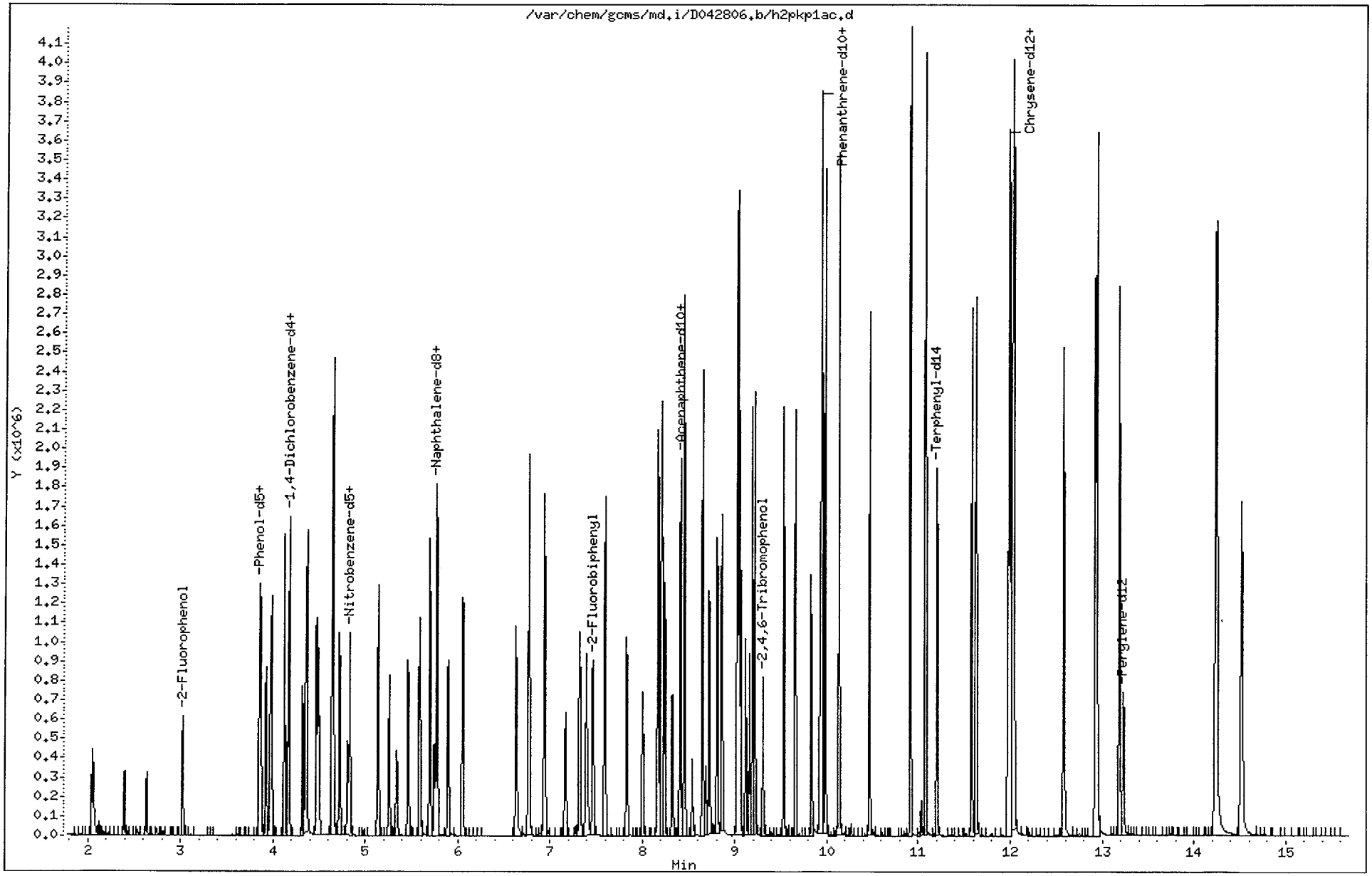
SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	32.6	43.51	0-100
$ 8 Phenol-d5	75.0	32.0	42.61	0-124

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Report Date: 03-May-2006 10:03

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	50.0	28.2	56.44	0-104
$ 10 2-Fluorobiphenyl	50.0	34.0	67.94	0-103
$ 11 2,4,6-Tribromophen	75.0	44.8	59.68	0-130
$ 12 Terphenyl-d14	50.0	34.1	68.26	0-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ac.d
Date : 28-APR-2006 17:41
Client ID: INTRA-LAB CHECK
Sample Info: H2PKP1AC,,3,,,LCS,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i
Operator: 60841
Column diameter: 0.25



Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Report Date: 03-May-2006 10:03

STL Knoxville

Semivolatile Organic Compounds by GC/MS

Data file : /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Lab Smp Id: H2PKP1AD Client Smp ID: INTRA-LAB CHECK
Inj Date : 28-APR-2006 18:05
Operator : 60841 Inst ID: md.i
Smp Info : H2PKP1AD,,3,,,DUP,
Misc Info : D042806,8270a9,8270.sub
Comment : Semivolatile Organic Compounds by GC/MS
Method : /var/chem/gcms/md.i/D042806.b/8270a9.m
Meth Date : 03-May-2006 09:58 mcgeek Quant Type: ISTD
Cal Date : 27-APR-2006 15:00 Cal File: bbdd271.d
Als bottle: 24 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * (Vt*Sf)/(Vo*Uf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Sf	1.00000	Prep split factor
Vo	1.00000	Volume of sample extracted (1=total samp
Uf	1000.00000	unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
* 1 1,4-Dichlorobenzene-d4	152	4.159	4.159	(1.000)	73860	20.0000	
* 2 Naphthalene-d8	136	5.751	5.751	(1.000)	264363	20.0000	
* 3 Acenaphthene-d10	164	8.413	8.413	(1.000)	183272	20.0000	
* 4 Phenanthrene-d10	188	9.923	9.923	(1.000)	329866	20.0000	
* 5 Chrysene-d12	240	12.009	12.003	(1.000)	333888	20.0000	
* 6 Perylene-d12	264	13.231	13.231	(1.000)	290442	20.0000	
$ 7 2-Fluorophenol	112	3.025	3.025	(0.727)	173669	33.6231	33.6
$ 8 Phenol-d5	99	3.853	3.853	(0.927)	206966	33.2181	33.2
$ 9 Nitrobenzene-d5	82	4.811	4.811	(0.837)	171899	28.8463	28.8
$ 10 2-Fluorobiphenyl	172	7.467	7.467	(0.888)	427963	35.4210	35.4
$ 11 2,4,6-Tribromophenol	330	9.306	9.306	(0.938)	92550	44.2470	44.2
$ 12 Terphenyl-d14	244	11.204	11.204	(0.933)	580177	35.7254	35.7
13 N-Nitrosodimethylamine	74	2.050	2.050	(0.493)	124770	50.6119	50.6

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Report Date: 03-May-2006 10:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
14 Pyridine	79	2.061	2.067	(0.496)	190720	38.6914	38.7
15 Phenol (ccc)	94	3.865	3.865	(0.929)	322227	48.9323	48.9(R)
16 Aniline	93	3.871	3.871	(0.931)	328670	44.6953	44.7
17 Bis(2-chloroethyl)ether	93	3.930	3.930	(0.945)	285309	61.9125	61.9
18 2-Chlorophenol	128	3.989	3.989	(0.959)	306219	62.5464	62.5(R)
19 1,3-Dichlorobenzene	146	4.124	4.124	(0.992)	366371	65.3485	65.3
20 1,4-Dichlorobenzene (ccc)	146	4.177	4.177	(1.004)	379112	66.9381	66.9
21 Benzyl alcohol	108	4.323	4.323	(1.040)	165796	50.7700	50.8
22 1,2-Dichlorobenzene	146	4.370	4.370	(1.051)	361949	66.6818	66.7
23 2-Methylphenol	108	4.476	4.476	(1.076)	246894	52.7773	52.8
24 2,2'-Oxybis(1-Chloropropane)	45	4.494	4.494	(1.081)	445751	56.4408	56.4
25 4-Methylphenol	108	4.652	4.647	(1.119)	558302	114.804	115
26 3&4 Methylphenol	108	4.652	4.647	(1.119)	558302	114.804	115
27 N-Nitroso-di-n-propylamine###	70	4.658	4.658	(1.120)	229828	63.3330	63.3
28 Hexachloroethane	117	4.723	4.723	(1.136)	128743	58.4490	58.4
29 Nitrobenzene	77	4.835	4.835	(0.841)	340347	58.9067	58.9
30 Isophorone	82	5.140	5.140	(0.894)	644754	60.1007	60.1
31 2-Nitrophenol (ccc)	139	5.258	5.258	(0.914)	186447	71.1681	71.2
32 2,4-Dimethyphenol	107	5.340	5.340	(0.928)	59329	10.2106	10.2(R)
33 Bis(2-chloroethoxy)methane	93	5.463	5.463	(0.950)	353930	57.3697	57.4
35 2,4-Dichlorophenol (ccc)	162	5.587	5.587	(0.971)	309780	67.0119	67.0
36 1,2,4-Trichlorobenzene	180	5.698	5.698	(0.991)	342282	66.5196	66.5
37 Naphthalene	128	5.775	5.775	(1.004)	1000631	64.6392	64.6
38 4-Chloroaniline	127	5.898	5.898	(1.026)	346688	51.9556	52.0
39 Hexachlorobutadiene (ccc)	225	6.051	6.051	(1.052)	207175	55.8008	55.8
40 4-Chloro-3-methylphenol (ccc)	107	6.633	6.633	(1.153)	292036	60.1839	60.2(R)
41 2-Methylnaphthalene	142	6.774	6.774	(1.178)	718034	72.6618	72.7
42 Hexachlorocyclopentadiene####	237	7.167	7.167	(0.852)	166601	40.4993	40.5
43 2,4,6-Trichlorophenol (ccc)	196	7.326	7.326	(0.871)	252610	67.4512	67.4
44 2,4,5-Trichlorphenol	196	7.396	7.396	(0.879)	295484	71.3483	71.3
45 2-Chloronaphthalene	162	7.596	7.596	(0.903)	731427	66.3646	66.4
46 2-Nitroaniline	65	7.831	7.831	(0.931)	210313	59.9684	60.0
47 Acenaphthylene	152	8.213	8.207	(0.976)	1217983	70.4138	70.4
48 Dimethyl phthalate	163	8.178	8.172	(0.972)	902178	71.1480	71.1
49 2,6-Dinitrotoluene	165	8.248	8.242	(0.980)	209181	77.1725	77.2
50 3-Nitroaniline	138	8.413	8.407	(1.000)	208254	64.2072	64.2
51 Acenaphthene (ccc)	153	8.454	8.454	(1.005)	730150	70.2987	70.3
52 2,4-Dinitrophenol ##spcc##	184	8.536	8.536	(1.015)	60695	49.8162	49.8
53 Dibenzofuran	168	8.648	8.648	(1.028)	1148526	74.1226	74.1
54 4-Nitrophenol ##spcc##	109	8.677	8.677	(1.031)	86675	42.8471	42.8(R)
55 2,4-Dinitrotoluene	165	8.724	8.718	(1.037)	283271	77.5788	77.6
56 Fluorene	166	9.036	9.036	(1.074)	952356	73.7503	73.8
57 4-Chlorophenyl phenyl ether	204	9.059	9.059	(1.077)	488496	76.0464	76.0
58 Diethyl phthalate	149	9.024	9.024	(1.073)	862676	69.1238	69.1
59 4-Nitroaniline	138	9.118	9.112	(1.084)	195740	59.6731	59.7
60 4,6-Dinitro-2-methylphenol	198	9.159	9.159	(0.923)	156251	75.2869	75.3
61 N-Ndpa / diphenylamine (ccc)	169	9.194	9.188	(0.927)	683961	79.2741	79.3

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Report Date: 03-May-2006 10:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/uL)	FINAL (ug)
62 1,2-Diphenylhydrazine/azobnz	77	9.218	9.212	(0.929)	807855	60.3743	60.4
63 4-Bromophenyl phenyl ether	248	9.535	9.535	(0.961)	288383	78.5588	78.6
64 Hexachlorobenzene	284	9.658	9.658	(0.973)	297157	64.7505	64.8
65 Pentachlorophenol (ccc)	266	9.829	9.829	(0.991)	186145	62.6513	62.6(R)
66 Phenanthrene	178	9.946	9.946	(1.002)	1476067	74.2105	74.2
67 Anthracene	178	9.982	9.982	(1.006)	1411712	70.9473	70.9
68 Carbazole	167	10.134	10.134	(1.021)	1290989	68.8627	68.9
69 Di-n-butyl phthalate	149	10.469	10.469	(1.055)	1527986	71.8716	71.9
70 Fluoranthene (ccc)	202	10.916	10.910	(1.100)	1708976	79.5457	79.5
71 Pyrene	202	11.080	11.080	(0.923)	1751092	81.9989	82.0
72 Butyl benzyl phthalate	149	11.580	11.580	(0.964)	668528	69.8568	69.8
73 Benzo(a)Anthracene	228	11.991	11.991	(0.999)	1599574	73.1653	73.2
74 3,3'-Dichlorobenzidine	252	11.973	11.973	(0.997)	340802	41.1786	41.2
75 Chrysene	228	12.032	12.026	(1.002)	1597368	76.3060	76.3
76 Bis(2-ethylhexyl) phthalate	149	12.044	12.038	(1.003)	914861	75.2224	75.2
77 Di-n-octyl phthalate (ccc)	149	12.584	12.585	(0.951)	1553332	73.1505	73.2
78 Benzo(b)fluoranthene	252	12.931	12.925	(0.977)	1492144	66.8549	66.8
79 Benzo(k)fluoranthene	252	12.949	12.943	(0.979)	1761550	77.2905	77.3
80 Benzo(a)pyrene (ccc)	252	13.190	13.190	(0.997)	1327663	71.3781	71.4
81 Indeno(1,2,3-cd)pyrene	276	14.241	14.241	(1.076)	1383642	67.1415	67.1
82 Dibenz(a,h)anthracene	278	14.247	14.247	(1.077)	1155795	66.9149	66.9(R)
83 Benzo(g,h,i)perylene	276	14.523	14.518	(1.098)	1225216	70.2934	70.3

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Report Date: 03-May-2006 10:03

STL Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: h2pkp1ad.d
Lab Smp Id: H2PKP1AD
Analysis Type: SV
Quant Type: ISTD
Operator: 60841
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Calibration Date: 28-APR-2006
Calibration Time: 09:30
Client Smp ID: INTRA-LAB CHECK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	61515	30758	123030	73860	20.07
2 Naphthalene-d8	201763	100882	403526	264363	31.03
3 Acenaphthene-d10	143273	71636	286546	183272	27.92
4 Phenanthrene-d10	247023	123512	494046	329866	33.54
5 Chrysene-d12	265356	132678	530712	333888	25.83
6 Perylene-d12	233795	116898	467590	290442	24.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.16	3.66	4.66	4.16	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	8.41	7.91	8.91	8.41	0.00
4 Phenanthrene-d10	9.92	9.42	10.42	9.92	0.00
5 Chrysene-d12	12.00	11.50	12.50	12.01	0.05
6 Perylene-d12	13.23	12.73	13.73	13.23	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Report Date: 03-May-2006 10:03

STL Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: H2PKP1AD
Level: LOW
Data Type: MS DATA
SpikeList File: allspike.spk
Sublist File: 8270.sub
Method File: /var/chem/gcms/md.i/D042806.b/8270a9.m
Misc Info: D042806,8270a9,8270.sub

Client SDG: H6D060000
Fraction: SV
Client Smp ID: INTRA-LAB CHECK
Operator: 60841
SampleType: METHOD SPIKE
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
13 N-Nitrosodimethyla	100	50.6	50.61	35-150
14 Pyridine	100	38.7	38.69	35-150
15 Phenol (ccc)	100	48.9	48.93*	59-117
16 Aniline	100	44.7	44.70	35-150
17 Bis(2-chloroethyl)	100	61.9	61.91	35-150
18 2-Chlorophenol	100	62.5	62.55*	63-114
19 1,3-Dichlorobenzen	100	65.3	65.35	35-150
20 1,4-Dichlorobenzen	100	66.9	66.94	65-111
21 Benzyl alcohol	100	50.8	50.77	35-150
22 1,2-Dichlorobenzen	100	66.7	66.68	35-150
23 2-Methylphenol	100	52.8	52.78	35-150
24 2,2'-Oxybis(1-Chlo	100	56.4	56.44	35-150
25 4-Methylphenol	200	115	57.40	35-150
26 3&4 Methylphenol	200	115	57.40	35-150
27 N-Nitroso-di-n-pro	100	63.3	63.33	62-114
28 Hexachloroethane	100	58.4	58.45	35-150
29 Nitrobenzene	100	58.9	58.91	35-150
30 Isophorone	100	60.1	60.10	35-150
31 2-Nitrophenol (ccc	100	71.2	71.17	35-150
32 2,4-Dimethyphenol	100	10.2	10.21*	35-150
33 Bis(2-chloroethoxy	100	57.4	57.37	35-150
34 Benzoic acid	100	0.00	*	35-150
35 2,4-Dichlorophenol	100	67.0	67.01	35-150
36 1,2,4-Trichloroben	100	66.5	66.52	66-113
37 Naphthalene	100	64.6	64.64	60-100
38 4-Chloroaniline	100	52.0	51.96	35-150
39 Hexachlorobutadien	100	55.8	55.80	35-150
40 4-Chloro-3-methylp	100	60.2	60.18*	71-118
41 2-Methylnaphthalen	100	72.7	72.66	35-150
42 Hexachlorocyclopen	100	40.5	40.50	35-150
43 2,4,6-Trichlorophe	100	67.4	67.45	35-150
44 2,4,5-Trichlorphen	100	71.3	71.35	35-150
45 2-Chloronaphthalen	100	66.4	66.36	35-150

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Report Date: 03-May-2006 10:03

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
46 2-Nitroaniline	100	60.0	59.97	35-150
47 Acenaphthylene	100	70.4	70.41	60-106
48 Dimethyl phthalate	100	71.1	71.15	35-150
49 2,6-Dinitrotoluene	100	77.2	77.17	35-150
50 3-Nitroaniline	100	64.2	64.21	35-150
51 Acenaphthene (ccc)	100	70.3	70.30	65-107
52 2,4-Dinitrophenol	100	49.8	49.82	35-150
53 Dibenzofuran	100	74.1	74.12	35-150
54 4-Nitrophenol ##sp	100	42.8	42.85*	61-128
55 2,4-Dinitrotoluene	100	77.6	77.58	72-131
56 Fluorene	100	73.8	73.75	60-113
57 4-Chlorophenyl phe	100	76.0	76.05	35-150
58 Diethyl phthalate	100	69.1	69.12	35-150
59 4-Nitroaniline	100	59.7	59.67	35-150
60 4,6-Dinitro-2-meth	100	75.3	75.29	35-150
61 N-Ndpa / diphenyla	100	79.3	79.27	35-150
62 1,2-Diphenylhydraz	100	60.4	60.37	35-150
63 4-Bromophenyl phen	100	78.6	78.56	35-150
64 Hexachlorobenzene	100	64.8	64.75	35-150
65 Pentachlorophenol	100	62.6	62.65*	71-122
66 Phenanthrene	100	74.2	74.21	65-108
67 Anthracene	100	70.9	70.95	67-114
68 Carbazole	100	68.9	68.86	35-150
69 Di-n-butyl phthala	100	71.9	71.87	35-150
70 Fluoranthene (ccc)	100	79.5	79.55	65-115
71 Pyrene	100	82.0	82.00	67-114
72 Butyl benzyl phtha	100	69.8	69.86	35-150
73 Benzo(a)Anthracene	100	73.2	73.17	70-114
74 3,3'-Dichlorobenzi	100	41.2	41.18	35-150
75 Chrysene	100	76.3	76.31	68-111
76 Bis(2-ethylhexyl)	100	75.2	75.22	35-150
77 Di-n-octyl phthala	100	73.2	73.15	35-150
78 Benzo(b)fluoranthe	100	66.8	66.85	60-120
79 Benzo(k)fluoranthe	100	77.3	77.29	61-119
80 Benzo(a)pyrene (cc	100	71.4	71.38	67-111
81 Indeno(1,2,3-cd)py	100	67.1	67.14	67-120
82 Dibenz(a,h)anthrac	100	66.9	66.91*	71-120
83 Benzo(g,h,i)peryle	100	70.3	70.29	63-120

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	75.0	33.6	44.83	0-100
$ 8 Phenol-d5	75.0	33.2	44.29	0-124

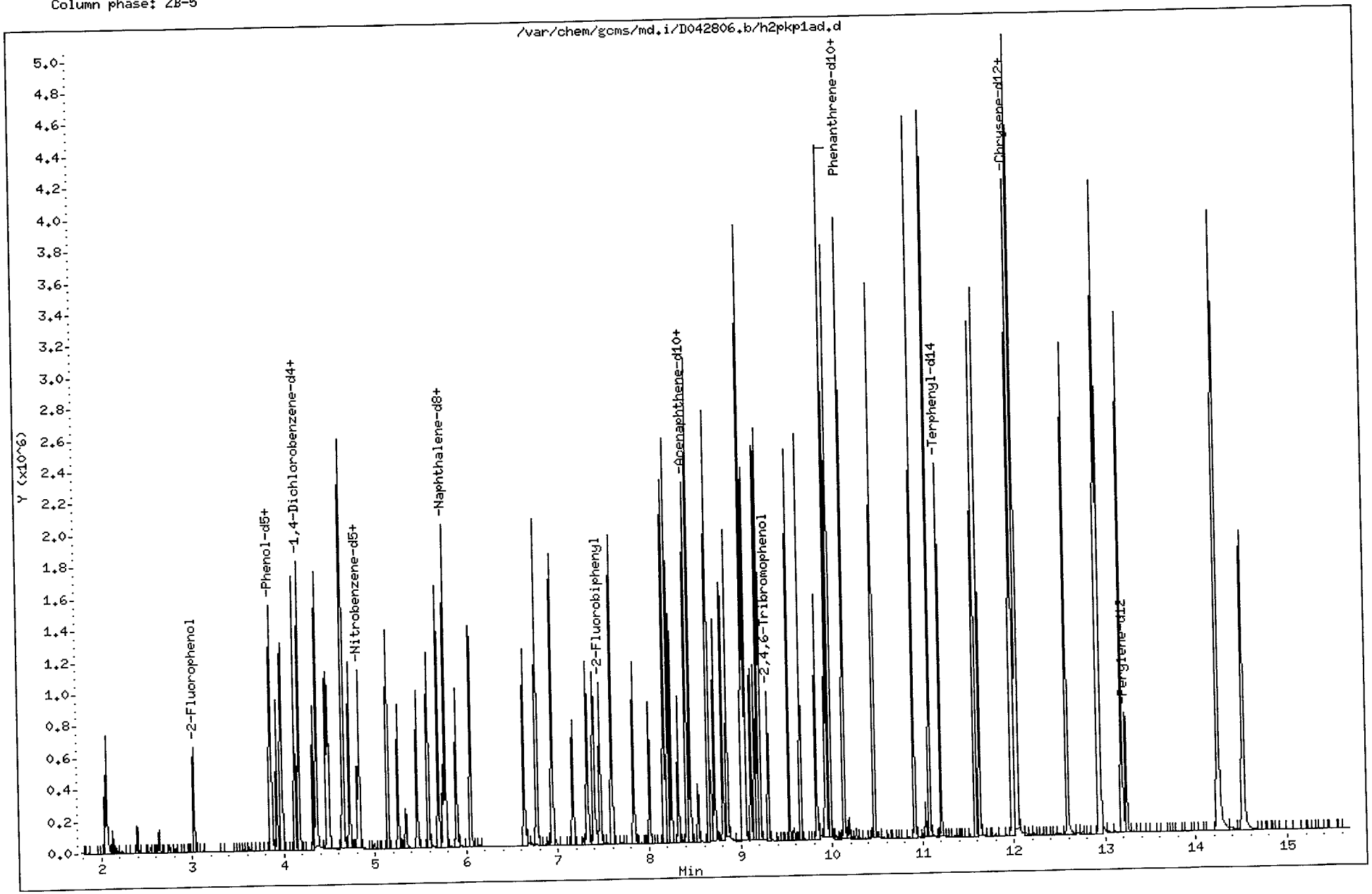
Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Report Date: 03-May-2006 10:03

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	50.0	28.8	57.69	0-104
$ 10 2-Fluorobiphenyl	50.0	35.4	70.84	0-103
$ 11 2,4,6-Tribromophen	75.0	44.2	59.00	0-130
$ 12 Terphenyl-d14	50.0	35.7	71.45	0-122

Data File: /var/chem/gcms/md.i/D042806.b/h2pkp1ad.d
Date : 28-APR-2006 18:05
Client ID: INTRA-LAB CHECK
Sample Info: H2PKP1AD,,3,,,DUP,
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: md.i

Operator: 60841
Column diameter: 0.25



Miscellaneous Data

STL Knoxville Semivolatile GC/MS Data Review / Narrative Checklist Lot/Project # H6D030245
Method 8270C - KNOX-MS-0016, Rev 6 & Method TO-13A Mod – KNOX-MS-0017, Rev 1 Page 1 of 2

Instrument:	MD					
Scanned File Names:	D0427061					
	D0428061					

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ☐
A. Tune / Calibration					
1. Were all samples injected within 12 hr of DFTPP?		✓			✓
2. Has a Continuing Calibration Checklist been completed for each analytical batch?		✓			✓
3. Was the correct ICAL used for quantitation?		✓			✓
B. Client Sample and QC Sample Results					
1. Were all special project requirements met?		✓			✓
2. Were prep/dilution/split factors & header information verified?		✓			✓
3. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
4. Were the analytes that were not automatically identified in the CCAL searched for manually in the samples?		✓			
5. Sample prep and analyses done within preparation and analytical holding time (HT)? *If no, list samples and NCM #:* _____		✓		☐ [ht1] HT expired upon receipt. ☐ *[ht2] Client requested analysis after HT expired.* * ☐ **Re-extraction done after HT expired. See [sur4] or[sur2]**	✓
6. Are surrogates and internal standards within QC limits? *If no, list samples, reason (e.g.,* **sur1***) and NCM #:* 08-06200 Sample / Reason: 001 Sur13; ~~003 Sur12~~; 006 Sur13; ~~009 Sur12~~; ~~013 Sur12~~; 015 Sur13			✓	☐ [sur1] MS/MSD surr.%R demonstrated same effect. ☐ [sur2] Re-extraction demonstrated same effect. ☑ **[sur3] Not enough sample for re-extraction.** ☐ **[sur4] Re-extraction done outside HT. Rerun shows original %R were wrong; both data reported.** ☐ **[sur5] Upon client approval, data was flagged as estimated & released without further investigation.*** ☐ [sur7] Obvious matrix interference. Explain: _____ ☐ **[hydr1] H-D exchange; sample reextracted.** ☐ **[hydr2] H-D exchange; affected analytes reported on diluted analysis** ☑ **[sur12] Surr.%R high and all targets ND.** ☑ **[sur13] Surr.%R low. Sample consumed.** ☑ **[sur14] Surr.%R high. Sample consumed.** ☐ [isc1] Samples bracketed by acceptable runs.	✓
6. Are internal standards <0.5min of last CCAL?		✓			✓
7. Were positive hits evaluated using qualitative identification criteria and technical judgment?		✓			✓
8. Are positive results within calibration range? *If no, list samples:* _____		✓		☐ [dil5] At client's request, sample was analyzed with minimum dilution even though some analytes were outside of calibration range.*	✓
9. For initial analysis that's a dilution, was the largest analyte > 20% of calibration range? *List diluted samples and reason (e.g.,* **elev1***):* Sample(s) / Reason		✓		☐ [elev1] Elevated RL for (ANALYTE) due to sample matrix interferences. ☐ [elev2] Elevated RL for (ANALYTE) due to interfering analyte. ☐ [elev3] Elevated RLs for all analytes due to difficult sample matrix. ☐ [elev4] Diluted based on screening results. ☐ [elev5] Elevated RLs for all analytes due to presence of non-target compounds.	NA

* Such action must be taken in consultation with client.

NOTE: Nonconformance memos are required for **bold** and *italicized* autotext statements: **Bold** = deficiency, *italicized* = anomoly.

STL Knoxville Semivolatile GC/MS Data Review / Narrative Checklist Lot/Project # H6O030245
Method 8270C - KNOX-MS-0016, Rev 6 & Method TO-13A Mod – KNOX-MS-0017, Rev 1 Page 2 of 2

B. Client Sample and QC Sample Results	N/A	Yes	No	If No, why is data reportable?	2nd ☐
10. If amount extracted was < 80% of nominal amount, were the RLs/MDLs adjusted? List samples: _____		✓		☐ [elev6] Elevated RLs for all analytes due to insufficient sample amount received.	✓
11. If samples were split, are the dilution factores & prep factors applied properly & MDL/RLs adjusted?		✓		☐ [elev7] Elevated RLs for all analytes due to split; list samples:	✓
12. For secondary diluted analyses to bring compounds in calibration range, was the largest analyte targeted to be above 50% of calibration range? *List diluted samples and reason (e.g.,* **dil1***):* Sample / Reason / Sample / Reason	✓			☐ [dil1] Conc. of (ANALYTE) > calibration range. RLs adjusted accordingly. ☐ [dil2] Conc. of several compounds > calibration range. RLs adjusted accordingly. ☐ [dil3] Conc. of (ANALYTE) > calibration range. Both analyses reported to provide lowest RLs. ☐ [dil4] Conc. of several compounds > calibration range. Both analyses reported to provide lowest RLs.	NA
13. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?		✓		Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	✓
14. Have alternate hits and manual integrations been verified as correct?		✓			✓
C. Preparation/Matrix QC					
1. LCS done per prep batch and all analytes within laboratory established QC limits? *If no, list LCS ID and NCM #:* H2PKP1AC/1A0 NCM# 06-06201 4-Chloro-3-methylphenol, 4-Nitrophenol, Pentachlorophenol Phenol,		✓ 050506	✓	☐ **[lcs2] Insufficient sample for reanalysis.*** ☐ **[lcs3] LCS %R high and all analyte(s) were <RL in associated samples.** ☒ **[lcs4] Entire sample consumed.** ○ **[lcs RPD] RPD out, BUT % R OK.**	✓
2. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence?		✓			✓
3. Method blank surrogate recoveries within QC limits?		✓		☐ **[mb1] Sample surrogates OK and there is no analyte >RL in samples associated with blank.*** ☐ **[mb7] Entire sample consumed.**	✓
4. Are all analytes present in the method blank < ½ RL, < RL for phthalates? *If no, list blank ID and NCM #:* _____		✓		☐ **[mb3] No analyte > RL in associated samples.*** ☐ **[mb4] Sample results > 20x higher than blank.** ☐ **[mb5] Insufficient sample for reanalysis.*** ☐ **[mb8] Entire sample consumed.** ☐ **[mb9] >1/2 RL but < RL.**	✓
5. MS/MSD (or sample dup for TO13A) done per batch? Batch: _____	✓			☒ [lcsd] Insufficient sample. LCS/LCSD analyzed. ☐ [lcsd1]LCS/LCSD analyzed for method precision(TO-13)	NA
6. If MS/MSD was done on this client's sample or for reported batch QC, were the MS/MSD recoveries and RPDs within laboratory generated QC limits? *If no, list MS/MSD ID:* _____	✓			☐ [ms1] LCS acceptable - sample matrix effects. ☐ [ms2] LCS acceptable. High native analyte concentration relative to spike level. ☐ [rpd] LCS acceptable. RPD out due to lack of sample homogeneity.	NA
7. Were MS run #'s assigned correctly?	✓				NA
D. Other					
1. Final report acceptable? (Results correct, RLs calculated correctly, units correct, surrogate %R correct, appropriate flags used, dilution factor correct, and extraction/ analysis dates correct.)		✓			✓
2. Are all nonconformances documented appropriately and copy included with deliverable?		✓			✓
3. Are the correct scanned file names listed at the top of the data review checklist?		✓			✓
4. Were the standards scanned properly with runlogs?		✓			✓
5. Was a narrative prepared and all deviations noted?		✓			

Analyst: KRM	Date: 5/3/06	2nd Level Reviewer: [signature]	Date: 050506
Comments:		Comments:	

* Such action must be taken in consultation with client

BNA 8270 Filters

STL KNOXVILLE
Extraction Sheet - Air

Batch 6096185
Extracted By: MJR
Extraction Start time/date 16:00 4.6.06
Extraction Conc by/date 4-7-06 AJR / MJR
SOP (Circle one) KNOX-OP-0002 KNOX-OP-0009

Spiked by: MJR
Witness Surr/Spike: MOP
Extraction Stop Time/Date: 10:00 4-7-06
Conc. Method Used: KD Rapid Vap
Glassware inspected by: MJR
Sulfuric Acid Cleanup by/date: NA

Reagent Lot No:
Methylene Chloride C03E68
Acetone NA
Sodium Sulfate B09615
Hexane NA
Sulfuric Acid ~~BO~~ MJR 4.6.06 NA
Sodium Hydroxide NA
Other ↓

Sample Lot Numbers: H6D030245

Relinquished by: AJR Date: 4-10-06 Time: 9:15
Received by: KRM Date: ↓ Time: ↓

Comments:

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/10/06
Time: 6:58:27

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
—	—	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			—	—	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 060062 Marcus J. Ramsey

Concentrationist: 014113 Annette J. Ribet
060062 Marcus J. Ramsey

Reviewer/Date: RIBETA / 4/10/06

QC BATCH: 6096185

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/09 10:00

Base/Neutrals and Acids (8270C)
SOXHLET (NOMINAL), Airtrains: Filter/Rinse

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06 COMMENTS:	4/24/06	H6D030245-001 **H2H3J-1-AA** pH 1	D	IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
4/12/06 COMMENTS:	4/24/06	H6D030245-004 **H2H3N-1-AA** pH 6	D	IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
4/11/06 COMMENTS:	4/24/06	H6D030245-007 **H2H3R-1-AA** pH6	D	IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
4/13/06 COMMENTS:	4/24/06	H6D030245-011 **H2H3X-1-AA** pH6	D	IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
4/11/06 COMMENTS:	4/24/06	H6D030245-015 **H2H33-1-AA** pH6	D	IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
4/11/06 COMMENTS:	0/00/00	H6D060000-185 **H2PJ2-1-AAB**		IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
4/11/06 COMMENTS:	0/00/00	H6D060000-185 **H2PJ2-1-ACC**		IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP60102 1.0 ML OP50210 500UL

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/10/06
Time: 6:58:27

QC BATCH: 6096185

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/09 10:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06	0/00/00	H6D060000-185 **H2PJ2-1-ADL**	R	IN	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP60102 1.0 ML OP50210 500UL

COMMENTS:

SAMPLE EXTRACTS WERE SPLIT 50/50 WITH PESTICIDES(5ML 8081A,5ML 8270C). THE SAMPLES WERE BROUGHT TO A FINAL VOLUME OF 0.5 MLS. THE LCS/LCS DUP WERE SPLIT HOWEVER 5MLS WERE ARCHIVED.

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
↕

NUMBER OF WORK ORDERS IN BATCH: 8

BNA 8270C XAD

STL KNOXVILLE
Extraction Sheet - Air

Batch 6096187
Extracted By: MJR
Extraction Start time/date 16:00 4.6.06
Extraction Conc by/date AJR/MJR 4-7-06
SOP (Circle one) KNOX-OP-0002 KNOX-OP-0009

Spiked by: MJR
Witness Surr/Spike: mop
Extraction Stop Time/Date: 10:00 4-7-06
Conc. Method Used: KD Rapid Vap
Glassware inspected by: MJR
Sulfuric Acid Cleanup by/date: NA

Reagent Lot No:
Methylene Chloride C03E68
Acetone NA
Sodium Sulfate B09615
Hexane NA
Sulfuric Acid NA
Sodium Hydroxide ↓
Other

Sample Lot Numbers: H6D030245

Relinquished by: AJR Date: 4-10-06 Time: 9:15
Received by: KRM Date: ↓ Time: ↓

Comments:

OP037r5.DOC, 4/13/04

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/10/06
Time: 6:58:31

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
—	—	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			—	—	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 060062 Marcus J. Ramsey

Concentrationist: 014113 Annette J. Ribet
060062 Marcus J. Ramsey

Reviewer/Date: RIBETA / 4/10/06

QC BATCH: 6096187

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/06 10:00

Base/Neutrals and Acids (8270C)
SOXHLET (NOMINAL), Airtrains: XAD/Rinse

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06	4/24/06	H6D030245-002 **H2H3L-1-AA**	D	IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
COMMENTS:		pH6													
4/12/06	4/24/06	H6D030245-005 **H2H3P-1-AA**	D	IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
COMMENTS:		pH6													
4/11/06	4/24/06	H6D030245-008 **H2H3T-1-AA**	D	IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
COMMENTS:		pH6													
4/13/06	4/24/06	H6D030245-010 **H2H3W-1-AA**	D	IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
COMMENTS:		pH6													
4/13/06	4/24/06	H6D030245-012 **H2H30-1-AA**	D	IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
COMMENTS:		pH6													
4/11/06	4/24/06	H6D030245-014 **H2H32-1-AA**	D	IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
COMMENTS:		pH6													
4/11/06	0/00/00	H6D060000-187 **H2PJ5-1-AAB**		IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500UL/AI2416 1ML
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/10/06
Time: 6:58:31

QC BATCH: 6096187

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/06 10:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06	0/00/00	H6D060000-187 **H2PJ5-1-ACC**		IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP60102 1.0 ML OP50210 500UL
COMMENTS:															
4/11/06	0/00/00	H6D060000-187 **H2PJ5-1-ADL**	R	IO	QL	AIR	**1.0Sample** .50mL	NA	NA	NA	MECL2	450.0		.0	OP60102 1.0 ML OP50210 500UL
COMMENTS:															

SAMPLE EXTRACTS WERE SPLIT 50/50 WITH PESTICIDES(5ML 8081A,5ML 8270C). THE SAMPLES WERE BROUGHT TO A FINAL VOLUME OF 0.5 MLS. THE LCS/LCS DUP WERE SPLIT HOWEVER 5MLS WERE ARCHIVED.

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 9

8270c
Cond. Westates

STL KNOXVILLE
Extraction Sheet - Air

Batch 6096189
Extracted By: MJR
Extraction Start time/date 16:00 4.6.06
Extraction Conc by/date AR 4-10-06
SOP (Circle one) KNOX-OP-0002 KNOX-OP-0009

Spiked by: MJR
Witness Surr/Spike: MOP
Extraction Stop Time/Date: ~~8:00~~ 10:00 4.7.06
Conc. Method Used: KD AJR 4-7-06 Rapid Vap
Glassware inspected by: MJR
Sulfuric Acid Cleanup by/date: NA

Reagent Lot No:
Methylene Chloride C06E44
Acetone NA
Sodium Sulfate 009615
Hexane NA
Sulfuric Acid B05H10
Sodium Hydroxide 054174
Other

Sample Lot Numbers: H6D030245

Relinquished by: AJR Date: 4-10-06 Time: 14:15
Received by: KRM Date: ↓ Time: ↓

Comments: The total volume of the condensates and rinses were measured. 1000 mL of the total volume or 0.5 sample for sample H2H3V was extracted for 8270C. 1/2 the rinses amounts were used, for 8270C & 1/2 for 8081A. AJR 4-10-06

2nd Start Time/Date: 4-7-06 14:00
2nd Stop Time/Date: 4-8-06 8:00

802

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 5/03/06
Time: 7:41:30

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
_	_	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 060062 Marcus J. Ramsey

Concentrationist: 014113 Annette J. Ribet

Reviewer/Date: RIBETA / 4/10/06

QC BATCH: 6096189

PREP DATE: 4/06/06 16:00
COMP DATE: 4/08/06 8:00

Base/Neutrals and Acids (8270C)
LIQ/LIQ, CONT (A/B/N) - Acid->Base

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06	4/24/06	H6D030245-003 **H2H3M-1-AA**	D	49	QL	AIR	**0.415Sampl** 1.00mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500 UL
COMMENTS:															
4/12/06	4/24/06	H6D030245-006 **H2H3Q-1-AA**	D	49	QL	AIR	**0.449Sampl** 1.00mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500 UL
COMMENTS:															
4/11/06	4/24/06	H6D030245-009 **H2H3V-1-AA**	D	49	QL	AIR	**0.5Sample** 1.00mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500 UL
COMMENTS:															
4/13/06	4/24/06	H6D030245-013 **H2H31-1-AA**	D	49	QL	AIR	**0.428Sampl** 1.00mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500 UL
COMMENTS:															
4/11/06	0/00/00	H6D060000-189 **H2PKP-1-AAB**		49	QL	AIR	**1.0Sample** 1.00mL	NA	NA	NA	MECL2	450.0		.0	OP50210 500 UL
COMMENTS:															
4/11/06	0/00/00	H6D060000-189 **H2PKP-1-ACC**		49	QL	AIR	**1.0Sample** 1.00mL	NA	NA	NA	MECL2	450.0		.0	OP60102 1.0 ML OP50210 500 UL
COMMENTS:															
4/11/06	0/00/00	H6D060000-189 **H2PKP-1-ADL**	R	49	QL	AIR	**1.0Sample** 1.00mL	NA	NA	NA	MECL2	450.0		.0	OP60102 1.0 ML OP50210 500 UL
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 7

STL Knoxville Airtrain Prep Worksheet

Batch Number: 6096188, 6096187, 6096189, 6095224, 6096185, 6096186

Lot numbers: H6D030245

Date: 4-5-06 / 4-6-06

Analyst: AJR / mgr

	Sample Number	Front 1/2 (ml) Rinse	Back 1/2 (ml) Rinse	Cond 1 (ml)	Cond 2 (ml)	Cond 3 (ml)	Cond 4 (ml)	Rinse (ml)	Comments
1	H2H3M			990	940	390	NA	180	NA
2	H2H3Q		AJR 4-7-06	1030	AJR 4-5-06 ~~1000~~ 1030	100	NA ~~130~~ AJR 4-5-06	130	
3	H2H3V			186		NA		94	
4	H2H31			450	905	940	NA	80	
5	H2H3J	99mL						99ml	
6	H2H3N	83mL						83ml	
7	H2H3R	73mL					AJR 4-7-06	73ml	
8	H2H3X	44mL						44ml	
9	H2H3L	NA	100ml						
10	H2H3P		100ml					AJR 4-7-06	
11	H2H3T		86ml						
12	H2H30		96ml						
13									
14									
15							AJR 4-7-06		
16									
17									
18									
19									
20									

XAD Source Sampling Media Request Form

SEVERN TRENT STL

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
865-291-3000

Form Number: 031706-3

-scan completed document and save on the public drive under Media/PDFs; filename should be the form number. **Send a copy to PM.**

Date of Request: March 17, 2006
Company: ACS
Client Project: Westates Carbon CPT
Client PO#:

Rush Order? No
Quantims Quote: TBD
Media Needed By: 3/22/2006
Project Manager: Kevin Woodcock

Quantity	Media Type	Spiked for Method	Media Check ID
6	Spiked XAD	8270C, Pests. Supelco Lot 2010	A-5375
6	Spiked XAD	HRPCB, CARB429-PAH,	A-5376
6	Particulate Filter	8.26 cm for Semivolatiles & Pesticides (OCPs)	A-5377
6	Particulate Filter	8.26 cm for PAHs & PCBs	A-5378

ACJ-Westates A 5375 8270 XAD
ACJ-Westates A 5376 PCB/PAH XAD
ACJ-Westates A 5377 8270 Filter
ACJ-Westates A 5378 PCB/PAH Filter

Comments:
Please deliver to Patti Carswell by Wednesday, March 22, 2006.

	Method	Color Code	Amt. Spiked	Conc. And Units	Spike Sol'n ID	Exp. Date	Spiked By/ Date	Verified By
meck —	8270C	Blue	200 µl	1000 ppm	2990:29	12-12-13	DH/3-20-06	ALS
	Dioxin							
nonane —	1668 mod.	Yellow	200 µl	50 ng/ml	2990:80	11-1-10	DH/3-20-06	ALS
hexane —	CARB 429	Yellow	200 µl	5.0 ppm	2904:67	6-27-06	DH/3-20-06	ALS
	8081A							
	TCO/Grav		NA	NA	NA	NA	NA	NA

Shipping *(include blank COCs and Custody Seals with this shipment. Send temperature blanks where applicable)*

Attn: Patti Carswell
Company: STL - Knoxville ACS
Address 1:
Address 2:
City, State, Zip:
Phone:
Fax:
FedEx Email:
Lot Number:

Completed/Shipped by: David Fretwell
Date Shipped: 3-21-06
Shipping Courier:
Tracking Number
Invoice #:

Pesticides

Raw Sample Data

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

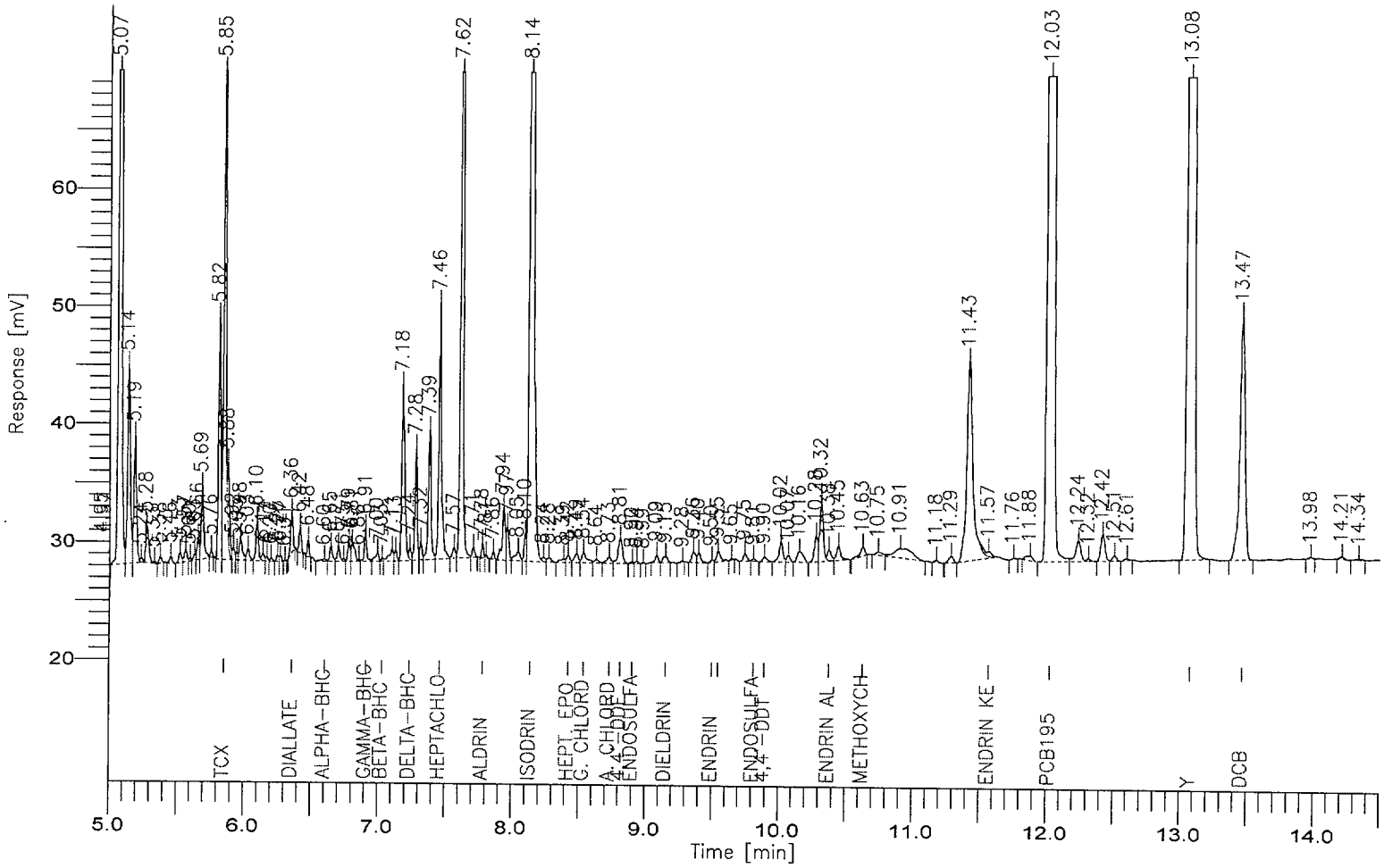
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2H3J1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 07:30 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9016.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9016.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9016.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1882	0.20000	18.82	60226	47153	-0.034	-0.0020	5.855	10	2e+07	94.1
6.358	Diallate	0.2895	0.00000	28.95	4183	3452	-0.311	-0.0198	6.377	10	------	--------
6.602	ALPHA-BHC	0.0005	0.00000	0.05	645	195	0.395	0.0260	6.576	10	------	--------
6.910	GAMMA-BHC	0.0087	0.00000	0.87	3177	2814	-0.533	-0.0370	6.947	10	------	--------
7.031	BETA-BHC	0.0017	0.00000	0.17	232	246	-0.255	-0.0180	7.049	10	------	--------
7.238	DELTA-BHC	0.0030	0.00000	0.30	1213	981	-0.105	-0.0076	7.246	10	------	--------
7.460	HEPTACHLOR	0.1143	0.00000	11.43	30471	21727	-0.101	-0.0076	7.468	10	------	--------
7.782	ALDRIN	0.0036	0.00000	0.36	1366	1290	-0.019	-0.0014	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	382640	287749	-0.021	-0.0017	8.140	10	96.2	3.3e-04
8.422	HEPT. EPOXIDE	0.0024	0.00000	0.24	1065	605	-0.178	-0.0151	8.437	10	------	--------
8.537	G. CHLORDANE	0.0035	0.00000	0.35	2264	896	-0.444	-0.0380	8.576	10	------	--------
8.730	A. CHLORDANE	0.0021	0.00000	0.21	1259	539	0.022	0.0019	8.728	10	------	--------
8.813	4,4'-DDE	0.0091	0.00000	0.91	4716	2070	0.160	0.0140	8.799	10	------	--------
8.903	ENDOSULFAN I	0.0006	0.00000	0.06	233	135	0.049	0.0043	8.899	10	------	--------
9.153	DIELDRIN	0.0023	0.00000	0.23	1239	496	-0.416	-0.0383	9.191	10	------	--------
9.500	ENDRIN	0.0014	0.00000	0.14	362	219	0.065	0.0062	9.494	10	------	--------
9.547	DDD & Chlorobe	0.2504	0.00000	25.04	2036	911	-0.091	-0.0087	9.556	10	------	--------
9.813	ENDOSULFAN II	0.0014	0.00000	0.14	418	236	0.155	0.0152	9.798	10	------	--------
9.895	4,4'-DDT	0.0039	0.00000	0.39	858	368	-0.394	-0.0391	9.934	10	------	--------
10.377	ENDRIN ALDEHYD	0.0078	0.00000	0.78	1863	913	-0.282	-0.0294	10.406	10	------	--------
10.630	METHOXYCHLOR	0.0194	0.00000	1.94	1926	758	-0.141	-0.0150	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.571	ENDRIN KETONE	0.0033	0.00000	0.33	1898	443	-0.017	-0.0019	11.573	10	------	--------
12.028	PCB195	2.0000	0.00000	200.00	687122	318557	-0.018	-0.0021	12.030	10	------	--------
13.076	Y	2.0000	0.00000	200.00	580915	248849	-0.032	-0.0042	13.081	10	------	--------
13.465	DCB	0.1813	0.20000	18.13	55896	20723	-0.020	-0.0027	13.468	10	1e+07	90.7
		6.0986			1828223	962324						184.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9016.TX0

Software Version: 4.1<2F12>
Sample Name : 6096186
Sample Number: H2H3J1AC
Operator : Analyst

Time : 4/20/2006 03:00 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

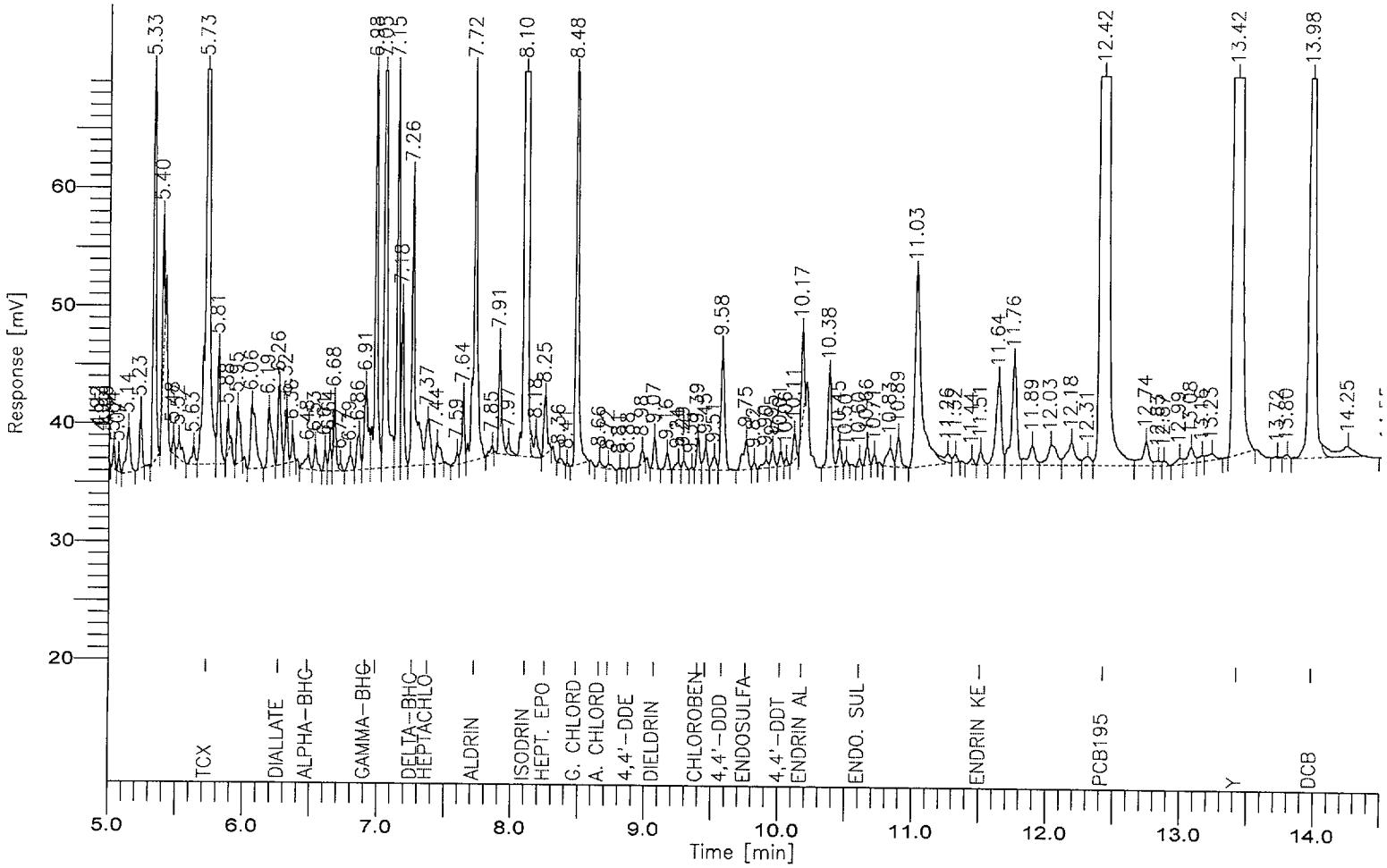
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 07:30 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9016.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9016.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9016.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.728	TCX	0.1682	0.20000	16.82	169526	118769	-0.022	-0.0012	5.729	10	6e+07	84.1
6.264	Diallate	0.3390	0.00000	33.90	11476	6766	0.390	0.0243	6.240	10	------	--------
6.479	ALPHA-BHC	0.0017	0.00000	0.17	3271	1246	-0.241	-0.0156	6.495	10	------	--------
6.911	GAMMA-BHC	0.0119	0.00000	1.19	15201	7185	0.188	0.0130	6.898	10	------	--------
6.983	BETA-BHC	0.1253	0.00000	12.53	49825	36145	-0.138	-0.0097	6.993	10	------	--------
7.258	DELTA-BHC	0.0415	0.00000	4.15	41695	24660	-0.628	-0.0459	7.304	10	------	--------
7.372	HEPTACHLOR	0.0083	0.00000	0.83	10002	3794	0.063	0.0047	7.367	10	------	--------
7.721	ALDRIN	0.0418	0.00000	4.18	60752	35924	0.308	0.0237	7.698	10	------	--------
8.100	ISODRIN	1.0000	5.0954e+05	100.00	780111	634275	-0.001	-0.0001	8.100	10	124.5	2.0e-04
8.249	HEPT. EPOXIDE	0.0090	0.00000	0.90	8785	4957	-0.433	-0.0359	8.285	10	------	--------
8.483	G. CHLORDANE	0.0678	0.00000	6.78	60893	42047	-0.085	-0.0072	8.490	10	------	--------
8.655	A. CHLORDANE	0.0009	0.00000	0.09	1090	571	-0.002	-0.0001	8.655	10	------	--------
8.722	ENDOSULFAN I	0.0008	0.00000	0.08	1170	420	-0.002	-0.0001	8.722	10	------	--------
8.875	4,4'-DDE	0.0003	0.00000	0.03	154	149	0.367	0.0325	8.842	10	------	--------
9.067	DIELDRIN	0.0055	0.00000	0.55	4081	2668	0.232	0.0209	9.046	10	------	--------
9.393	Chlorobenzilat	0.0791	0.00000	7.91	4420	2778	-0.025	-0.0023	9.396	10	------	--------
9.451	ENDRIN	0.0052	0.00000	0.52	3814	1909	0.203	0.0191	9.432	10	------	--------
9.575	4,4'-DDD	0.0324	0.00000	3.24	20056	10264	0.067	0.0064	9.569	10	------	--------
9.754	ENDOSULFAN II	0.0063	0.00000	0.63	6774	2440	0.436	0.0423	9.712	10	------	--------
10.012	4,4'-DDT	0.0048	0.00000	0.48	2175	1263	0.065	0.0065	10.006	10	------	--------
10.174	ENDRIN ALDEHYD	0.0261	0.00000	2.61	10700	7434	-0.162	-0.0165	10.191	10	------	--------
10.601	ENDO. SULFATE	0.0022	0.00000	0.22	972	665	-0.099	-0.0105	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.505	ENDRIN KETONE	0.0037	0.00000	0.37	2581	1156	0.010	0.0012	11.504	10	------	--------
12.423	PCB195	2.0000	0.00000	200.00	1546942	679174	-0.014	-0.0018	12.424	10	------	--------
13.420	Y	2.0000	0.00000	200.00	1314563	542214	-0.005	-0.0007	13.421	10	------	--------
13.978	DCB	0.1850	0.20000	18.50	152165	56064	-0.013	-0.0018	13.980	10	3e+07	92.5
		6.1668			4283195	2e+06						176.6

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9016.TXO

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

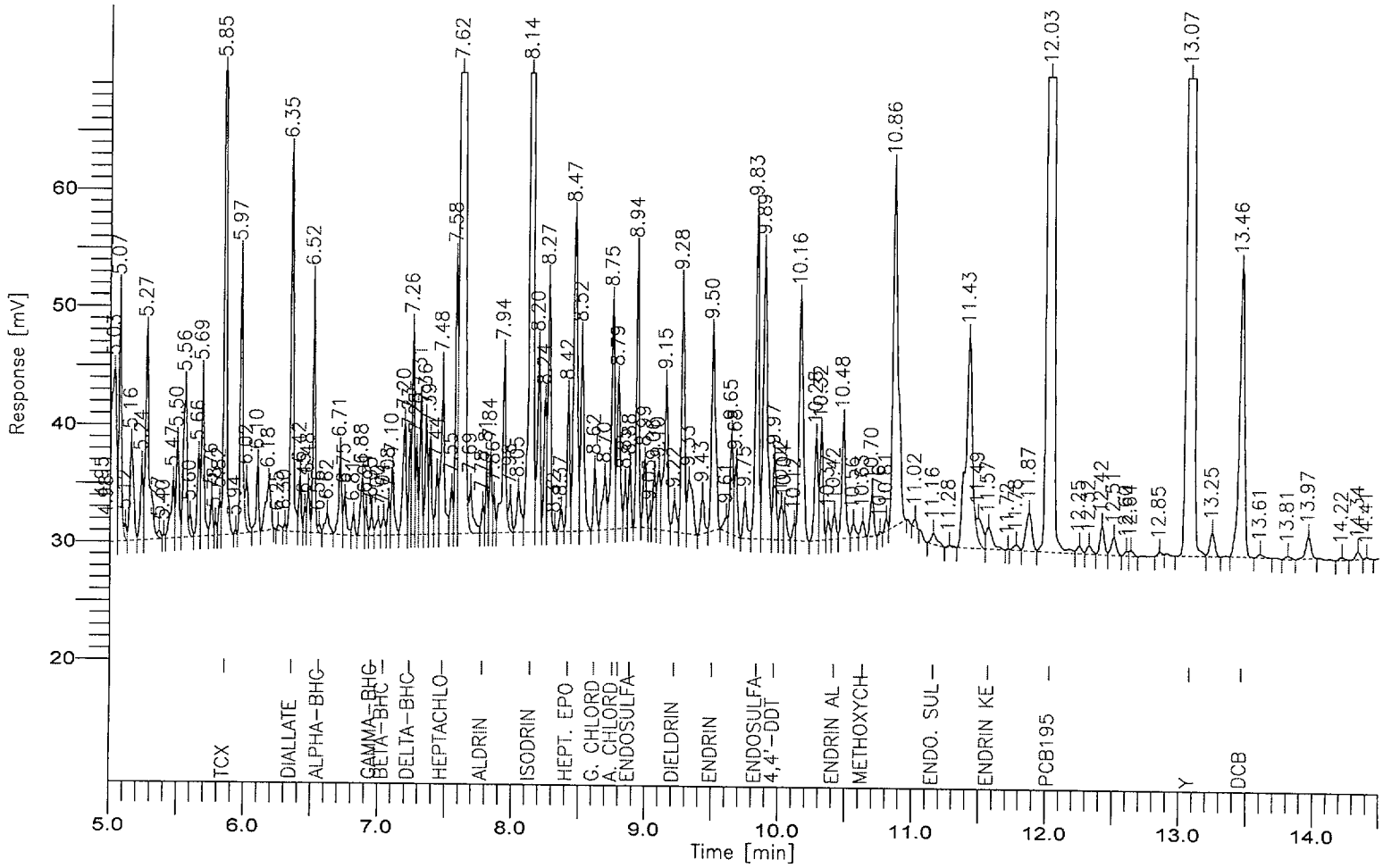
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H3L1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 05:27 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9036.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9036.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9036.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.2080	0.20000	20.80	71594	57195	-0.007	-0.0004	5.853	10	3e+07	104.0
6.352	Diallate	2.8726	0.00000	287.26	45169	32306	-0.381	-0.0243	6.376	10	------	--------
6.558	ALPHA-BHC	0.0015	0.00000	0.15	991	692	-0.247	-0.0162	6.574	10	------	--------
6.948	GAMMA-BHC	0.0055	0.00000	0.55	2806	2058	0.041	0.0029	6.946	10	------	--------
7.039	BETA-BHC	0.0095	0.00000	0.95	2661	1515	-0.122	-0.0086	7.048	10	------	--------
7.233	DELTA-BHC	0.0216	0.00000	2.16	8588	7909	-0.158	-0.0114	7.244	10	------	--------
7.479	HEPTACHLOR	0.0612	0.00000	6.12	25308	14376	0.168	0.0126	7.467	10	------	--------
7.779	ALDRIN	0.0061	0.00000	0.61	3286	2384	-0.041	-0.0032	7.782	10	------	--------
8.138	ISODRIN	1.0000	3.0422e+05	100.00	409721	312755	-0.006	-0.0005	8.139	10	102.8	3.3e-04
8.418	HEPT. EPOXIDE	0.0420	0.00000	4.20	15882	11712	-0.210	-0.0177	8.436	10	------	--------
8.618	G. CHLORDANE	0.0184	0.00000	1.84	7835	5303	0.512	0.0439	8.574	10	------	--------
8.753	A. CHLORDANE	0.0688	0.00000	6.88	33422	19497	0.300	0.0262	8.726	10	------	--------
8.793	4,4'-DDE	0.0521	0.00000	5.21	22816	12649	-0.056	-0.0049	8.798	10	------	--------
8.881	ENDOSULFAN I	0.0209	0.00000	2.09	7154	5112	-0.180	-0.0160	8.897	10	------	--------
9.216	DIELDRIN	0.0110	0.00000	1.10	5454	2611	0.285	0.0261	9.190	10	------	--------
9.503	ENDRIN	0.0997	0.00000	9.97	35391	16820	0.114	0.0108	9.492	10	------	--------
9.555	DDD & Chlorobe	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.834	ENDOSULFAN II	0.1523	0.00000	15.23	49999	28019	0.376	0.0368	9.797	10	------	--------
9.967	4,4'-DDT	0.0634	0.00000	6.34	12359	6895	0.351	0.0348	9.932	10	------	--------
10.417	ENDRIN ALDEHYD	0.0161	0.00000	1.61	4177	2167	0.122	0.0126	10.404	10	------	--------
10.629	METHOXYCHLOR	0.0312	0.00000	3.12	2610	1329	-0.147	-0.0156	10.644	10	------	--------
11.158	ENDO. SULFATE	0.0072	0.00000	0.72	2980	929	0.545	0.0605	11.097	10	------	--------
11.569	ENDRIN KETONE	0.0123	0.00000	1.23	6343	1867	-0.012	-0.0014	11.571	10	------	--------
12.026	PCB195	2.0000	0.00000	200.00	751263	341618	-0.021	-0.0025	12.029	10	------	--------
13.074	Y	2.0000	0.00000	200.00	637813	267899	-0.029	-0.0038	13.078	10	------	--------
13.463	DCB	0.2154	0.20000	21.54	65326	24551	-0.022	-0.0030	13.466	10	1e+07	107.7
		8.9968			2230949	1e+06						211.7

02

4/22/06

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9036.TX0

Software Version: 4.1<2F12>
Sample Name : 6096188
Sample Number: H2H3L1AC
Operator : Analyst

Time : 4/22/2006 10:27 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

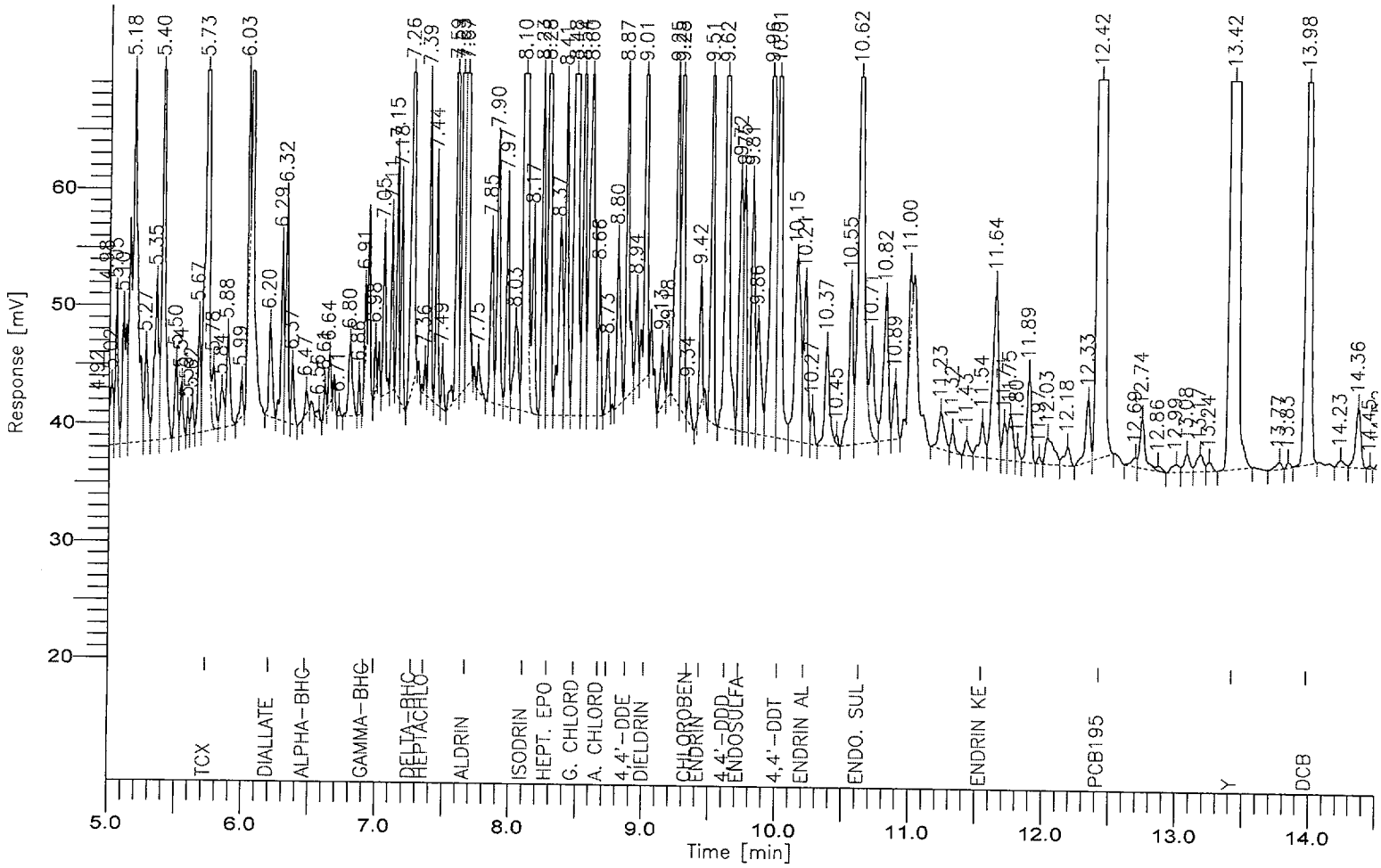
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 05:27 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9036.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9036.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9036.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1906	0.20000	19.06	162377	118319	-0.001	-0.0001	5.727	10	6e+07	95.3
6.197	Diallate	0.4399	0.00000	43.99	13725	7972	-0.673	-0.0420	6.239	10	------	--------
6.469	ALPHA-BHC	0.0028	0.00000	0.28	2710	1996	-0.392	-0.0254	6.495	10	------	--------
6.909	GAMMA-BHC	0.0108	0.00000	1.08	6117	6466	0.157	0.0108	6.898	10	------	--------
6.983	BETA-BHC	0.0170	0.00000	1.70	4411	4704	-0.130	-0.0091	6.992	10	------	--------
7.262	DELTA-BHC	0.0835	0.00000	8.35	73808	48491	-0.562	-0.0411	7.303	10	------	--------
7.355	HEPTACHLOR	0.0070	0.00000	0.70	3166	3049	-0.161	-0.0118	7.366	10	------	--------
7.667	ALDRIN	0.1489	0.00000	14.89	139053	118731	-0.389	-0.0300	7.696	10	------	--------
8.100	ISODRIN	1.0000	5.1802e+05	100.00	720466	589086	0.002	0.0002	8.099	10	113.7	1.9e-04
8.281	HEPT. EPOXIDE	0.1476	0.00000	14.76	104630	75727	-0.039	-0.0033	8.284	10	------	--------
8.481	G. CHLORDANE	0.3395	0.00000	33.95	293834	197277	-0.103	-0.0088	8.490	10	------	--------
8.664	A. CHLORDANE	0.0207	0.00000	2.07	16232	12198	0.122	0.0106	8.654	10	------	--------
8.728	ENDOSULFAN I	0.0113	0.00000	1.13	8297	5511	0.080	0.0070	8.721	10	------	--------
8.870	4,4'-DDE	0.0632	0.00000	6.32	48064	30491	0.323	0.0286	8.842	10	------	--------
9.009	DIELDRIN	0.1065	0.00000	10.65	69355	47965	-0.403	-0.0365	9.046	10	------	--------
9.337	Chlorobenzilat	0.0909	0.00000	9.09	4337	2650	-0.625	-0.0588	9.395	10	------	--------
9.424	ENDRIN	0.0328	0.00000	3.28	15089	10964	-0.069	-0.0065	9.431	10	------	--------
9.618	4,4'-DDD	0.1981	0.00000	19.81	110944	54652	0.513	0.0491	9.569	10	------	--------
9.722	ENDOSULFAN II	0.0603	0.00000	6.03	41874	22275	0.105	0.0102	9.712	10	------	--------
10.012	4,4'-DDT	0.2094	0.00000	20.94	93164	47723	0.063	0.0063	10.005	10	------	--------
10.210	ENDRIN ALDEHYD	0.0502	0.00000	5.02	30629	13796	0.192	0.0195	10.190	10	------	--------
10.623	ENDO. SULFATE	0.1834	0.00000	18.34	131068	50163	0.104	0.0110	10.612	10	------	--------
11.094	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.540	ENDRIN KETONE	0.0102	0.00000	1.02	8853	2977	0.319	0.0367	11.503	10	------	--------
12.421	PCB195	2.0000	0.00000	200.00	1450924	649951	-0.023	-0.0028	12.424	10	------	--------
13.418	Y	2.0000	0.00000	200.00	1260577	524960	-0.021	-0.0028	13.421	10	------	--------
13.976	DCB	0.2278	0.20000	22.78	143743	56889	-0.012	-0.0017	13.978	10	3e+07	113.9
		7.6522			4957448	3e+06						209.2

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9036.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

Software Version: 4.1<2F12>
Sample Name : 6095224
Sample Number: H2H3M1AC
Operator : Analyst

Time : 4/20/2006 01:42 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

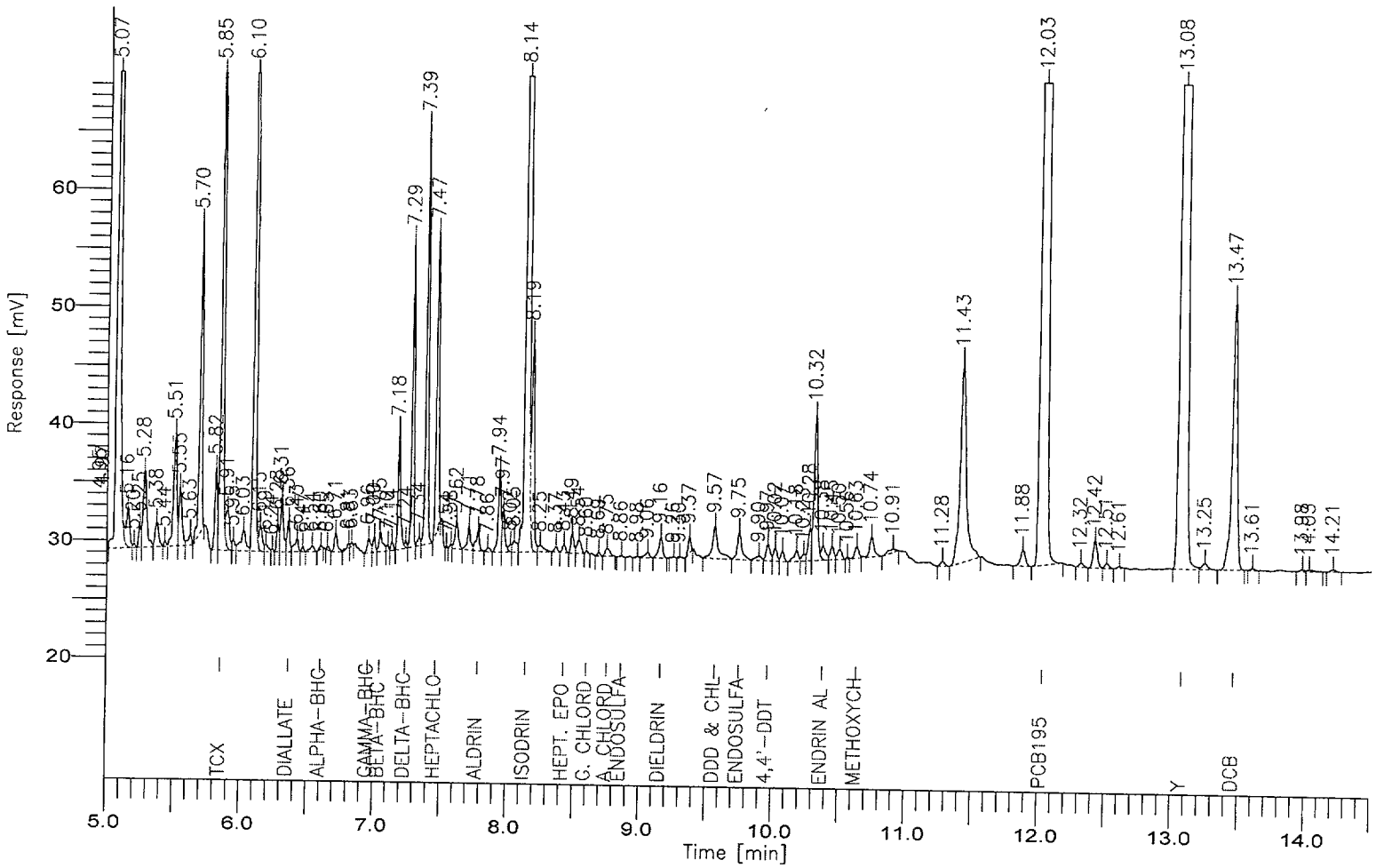
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 05:12 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9009.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9009.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9009.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 0.4310

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.854	TCX	0.4276	0.46404	18.43	68042	50722	-0.020	-0.0012	5.855	10	3e+07	92.1
6.360	Diallate	0.5656	0.00000	24.38	3789	2653	-0.276	-0.0176	6.377	10	------	--------
6.603	ALPHA-BHC	0.0016	0.00000	0.07	370	300	0.409	0.0269	6.576	10	------	--------
6.961	GAMMA-BHC	0.0079	0.00000	0.34	2255	1210	0.199	0.0138	6.947	10	------	--------
7.047	BETA-BHC	0.0253	0.00000	1.09	3298	1684	-0.020	-0.0014	7.049	10	------	--------
7.239	DELTA-BHC	0.0040	0.00000	0.17	619	609	-0.093	-0.0068	7.246	10	------	--------
7.467	HEPTACHLOR	0.2866	0.00000	12.35	33230	25779	-0.013	-0.0010	7.468	10	------	--------
7.781	ALDRIN	0.0106	0.00000	0.46	3226	1775	-0.020	-0.0016	7.783	10	------	--------
8.140	ISODRIN	2.3202	6.9406e+05	100.00	411636	316077	-0.005	-0.0004	8.140	10	105.7	3.3e-04
8.428	HEPT. EPOXIDE	0.0057	0.00000	0.25	1129	669	-0.109	-0.0092	8.437	10	------	--------
8.599	G. CHLORDANE	0.0020	0.00000	0.09	296	243	0.275	0.0236	8.576	10	------	--------
8.754	A. CHLORDANE	0.0055	0.00000	0.24	1676	674	0.299	0.0261	8.728	10	------	--------
8.799	4,4'-DDE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
8.862	ENDOSULFAN I	0.0014	0.00000	0.06	208	149	-0.417	-0.0371	8.899	10	------	--------
9.159	DIELDRIN	0.0172	0.00000	0.74	3702	1774	-0.355	-0.0326	9.191	10	------	--------
9.494	ENDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.566	DDD & Chlorobe	0.6688	0.00000	28.82	8418	2711	0.104	0.0099	9.556	10	------	--------
9.749	ENDOSULFAN II	0.0293	0.00000	1.26	5666	2329	-0.500	-0.0490	9.798	10	------	--------
9.965	4,4'-DDT	0.0307	0.00000	1.32	3046	1369	0.311	0.0309	9.934	10	------	--------
10.378	ENDRIN ALDEHYD	0.0203	0.00000	0.87	2590	1126	-0.269	-0.0280	10.406	10	------	--------
10.632	METHOXYCHLOR	0.0528	0.00000	2.28	2137	977	-0.117	-0.0125	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.573	ENDRIN KETONE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
12.028	PCB195	4.6404	0.00000	200.00	775399	360485	-0.020	-0.0024	12.030	10	------	--------
13.075	Y	4.6404	0.00000	200.00	658130	275332	-0.040	-0.0052	13.081	10	------	--------
13.465	DCB	0.4270	0.46404	18.40	60239	23098	-0.021	-0.0028	13.468	10	1e+07	92.0
		14.1908			2049102	1e+06						184.2

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9009.TX0

Software Version: 4.1<2F12>
Sample Name : 6095224
Sample Number: H2H3M1AC
Operator : Analyst

Time : 4/20/2006 01:42 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

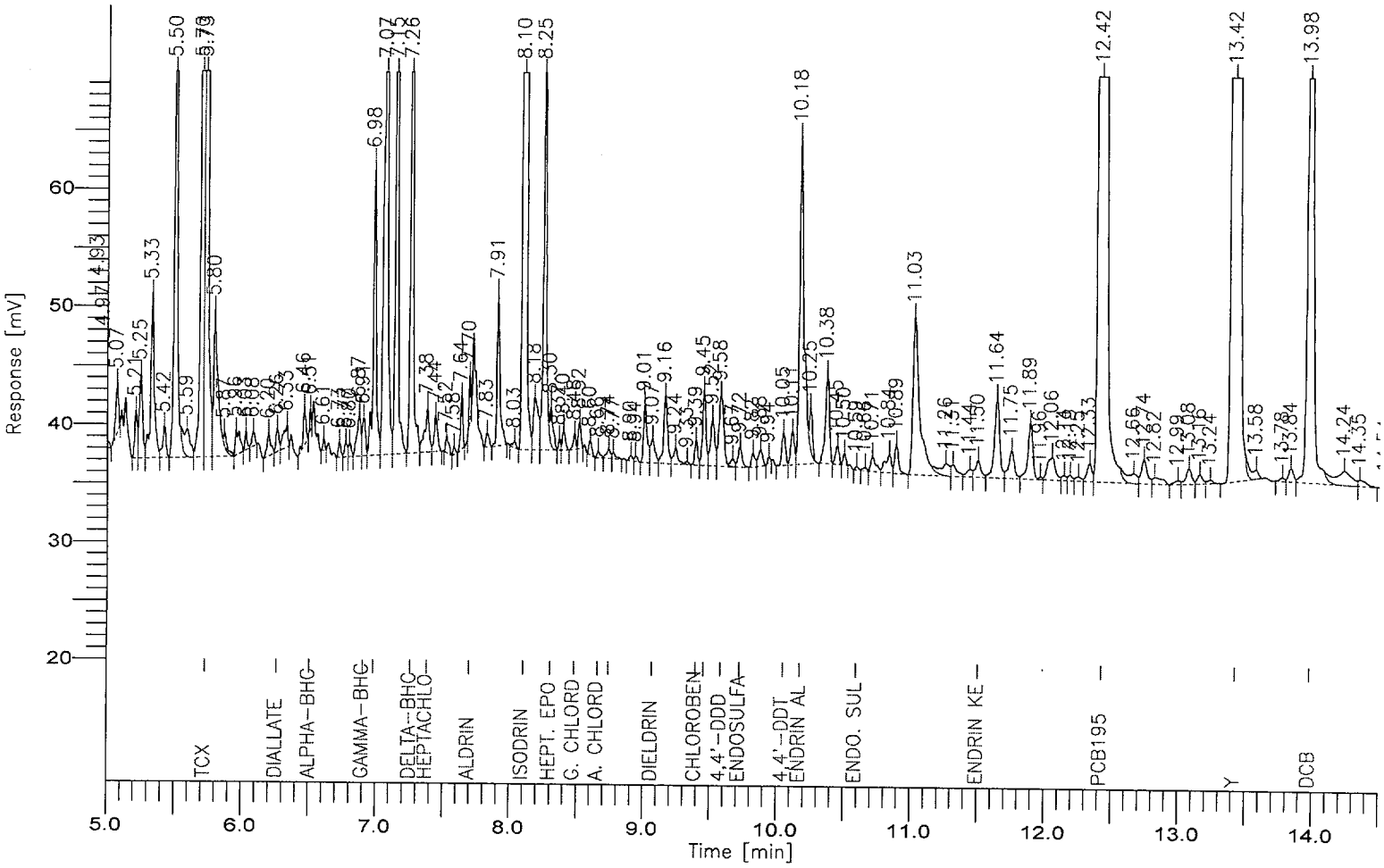
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 05:12 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9009.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9009.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9009.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 0.4310

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.728	TCX	0.4247	0.46404	18.31	165255	122361	-0.016	-0.0009	5.729	10	6e+07	91.5
6.262	Diallate	0.2224	0.00000	9.58	3068	1990	0.352	0.0220	6.240	10	------	--------
6.508	ALPHA-BHC	0.0057	0.00000	0.25	1440	1759	0.197	0.0128	6.495	10	------	--------
6.906	GAMMA-BHC	0.0132	0.00000	0.57	5345	3244	0.114	0.0078	6.898	10	------	--------
6.984	BETA-BHC	0.2123	0.00000	9.15	38024	24991	-0.129	-0.0090	6.993	10	------	--------
7.259	DELTA-BHC	0.2750	0.00000	11.85	84453	66630	-0.617	-0.0451	7.304	10	------	--------
7.382	HEPTACHLOR	0.0203	0.00000	0.87	8922	3767	0.192	0.0141	7.367	10	------	--------
7.697	ALDRIN	0.0109	0.00000	0.47	3362	3832	-0.013	-0.0010	7.698	10	------	--------
8.100	ISODRIN	2.3202	1.1822e+06	100.00	737647	600495	0.004	0.0003	8.100	10	117.8	2.0e-04
8.303	HEPT. EPOXIDE	0.0142	0.00000	0.61	5773	3165	0.224	0.0186	8.285	10	------	--------
8.482	G. CHLORDANE	0.0052	0.00000	0.23	1828	1327	-0.099	-0.0084	8.490	10	------	--------
8.659	A. CHLORDANE	0.0021	0.00000	0.09	949	555	0.046	0.0040	8.655	10	------	--------
8.738	ENDOSULFAN I	0.0039	0.00000	0.17	1735	830	0.185	0.0162	8.722	10	------	--------
8.842	4,4'-DDE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.066	DIELDRIN	0.0103	0.00000	0.44	4659	2053	0.212	0.0191	9.046	10	------	--------
9.393	Chlorobenzilat	0.1468	0.00000	6.33	3344	2092	-0.030	-0.0029	9.396	10	------	--------
9.452	ENDRIN	0.0424	0.00000	1.83	11471	6415	0.219	0.0207	9.432	10	------	--------
9.580	4,4'-DDD	0.0473	0.00000	2.04	15808	6115	0.110	0.0105	9.569	10	------	--------
9.722	ENDOSULFAN II	0.0111	0.00000	0.48	3790	1762	0.102	0.0099	9.712	10	------	--------
10.047	4,4'-DDT	0.0260	0.00000	1.12	5295	2767	0.413	0.0413	10.006	10	------	--------
10.175	ENDRIN ALDEHYD	0.2397	0.00000	10.33	67438	27885	-0.158	-0.0161	10.191	10	------	--------
10.593	ENDO. SULFATE	0.0026	0.00000	0.11	582	320	-0.177	-0.0188	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.502	ENDRIN KETONE	0.0113	0.00000	0.49	4240	1445	-0.019	-0.0022	11.504	10	------	--------
12.423	PCB195	4.6404	0.00000	200.00	1544526	688708	-0.010	-0.0013	12.424	10	------	--------
13.420	Y	4.6404	0.00000	200.00	1319340	546929	-0.002	-0.0002	13.421	10	------	--------
13.979	DCB	0.4524	0.46404	19.50	152410	55448	-0.008	-0.0012	13.980	10	3e+07	97.5
		13.8008			4190703	2e+06						189.0

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9009.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

Software Version: 4.1<2F12>
Sample Name : 6096186
Sample Number: H2H3N1AC
Operator : Analyst

Time : 4/20/2006 03:00 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

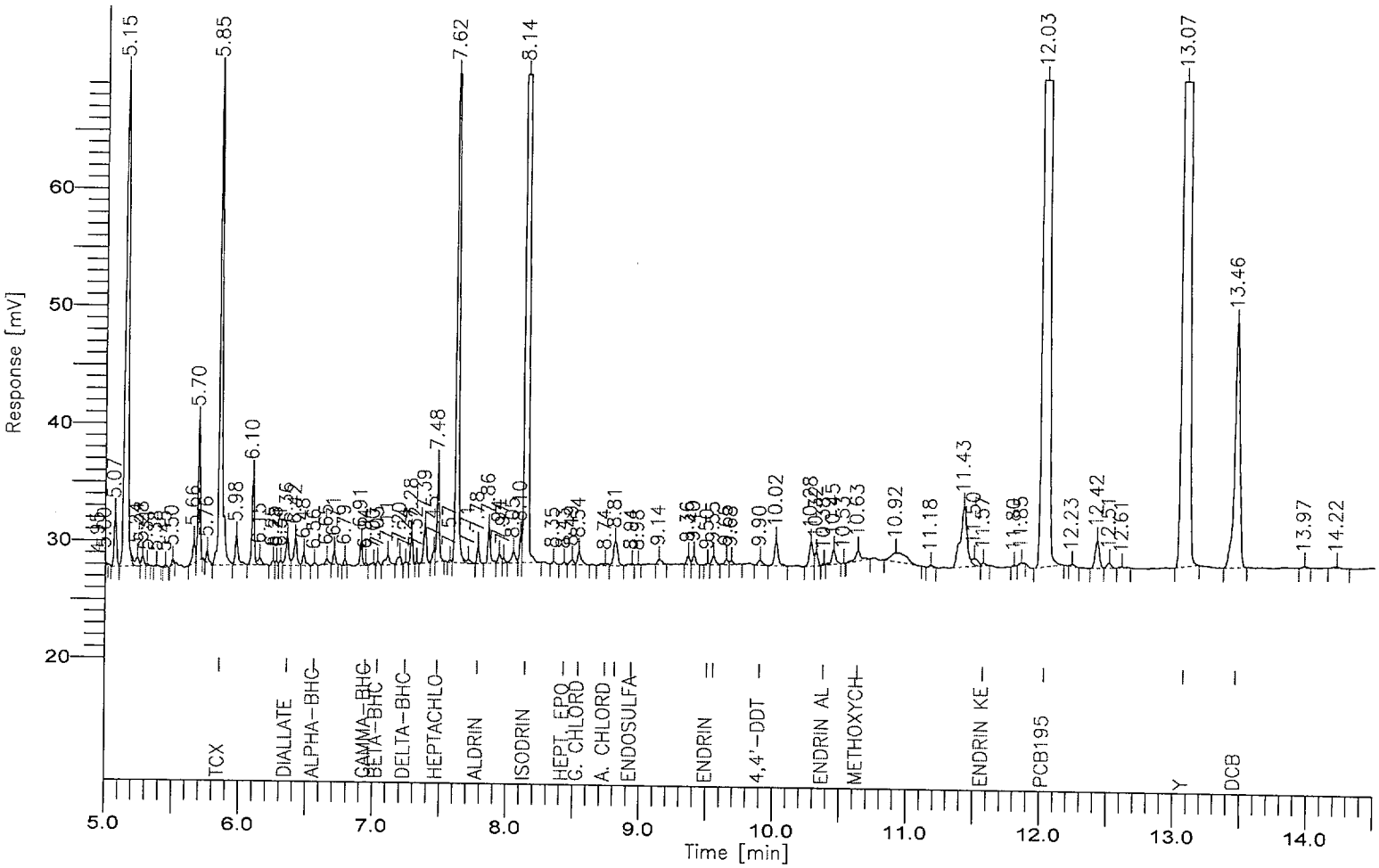
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 07:50 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9017.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9017.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9017.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.852	TCX	0.1949	0.20000	19.49	63981	47812	-0.041	-0.0024	5.855	10	2e+07	97.4
6.355	Diallate	0.2917	0.00000	29.17	3965	2450	-0.347	-0.0221	6.377	10	------	--------
6.560	ALPHA-BHC	0.0005	0.00000	0.05	321	194	-0.241	-0.0158	6.576	10	------	--------
6.943	GAMMA-BHC	0.0008	0.00000	0.08	295	257	-0.051	-0.0035	6.947	10	------	--------
7.032	BETA-BHC	0.0027	0.00000	0.27	468	374	-0.238	-0.0167	7.049	10	------	--------
7.239	DELTA-BHC	0.0006	0.00000	0.06	371	192	-0.096	-0.0070	7.246	10	------	--------
7.480	HEPTACHLOR	0.0449	0.00000	4.49	9876	8360	0.160	0.0119	7.468	10	------	--------
7.781	ALDRIN	0.0044	0.00000	0.44	1823	1514	-0.023	-0.0018	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	360022	281746	-0.027	-0.0022	8.140	10	94.2	3.3e-04
8.426	HEPT. EPOXIDE	0.0008	0.00000	0.08	323	205	-0.131	-0.0111	8.437	10	------	--------
8.537	G. CHLORDANE	0.0045	0.00000	0.45	2287	1135	-0.444	-0.0380	8.576	10	------	--------
8.736	A. CHLORDANE	0.0006	0.00000	0.06	622	158	0.096	0.0084	8.728	10	------	--------
8.812	4,4'-DDE	0.0092	0.00000	0.92	4554	2032	0.147	0.0129	8.799	10	------	--------
8.937	ENDOSULFAN I	0.0006	0.00000	0.06	395	137	0.425	0.0378	8.899	10	------	--------
9.191	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.504	ENDRIN	0.0010	0.00000	0.10	281	157	0.107	0.0101	9.494	10	------	--------
9.548	DDD & Chlorobe	0.2463	0.00000	24.63	1451	729	-0.081	-0.0077	9.556	10	------	--------
9.798	ENDOSULFAN II	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.897	4,4'-DDT	0.0045	0.00000	0.45	954	419	-0.371	-0.0368	9.934	10	------	--------
10.376	ENDRIN ALDEHYD	0.0013	0.00000	0.13	209	150	-0.284	-0.0296	10.406	10	------	--------
10.631	METHOXYCHLOR	0.0231	0.00000	2.31	2582	883	-0.123	-0.0130	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.570	ENDRIN KETONE	0.0020	0.00000	0.20	588	257	-0.027	-0.0032	11.573	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	695585	325370	-0.025	-0.0030	12.030	10	------	--------
13.074	Y	2.0000	0.00000	200.00	591945	250402	-0.047	-0.0062	13.081	10	------	--------
13.464	DCB	0.1861	0.20000	18.61	55786	20825	-0.029	-0.0039	13.468	10	1e+07	93.1
		6.0206			1798683	945758						190.5

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9017.TXO

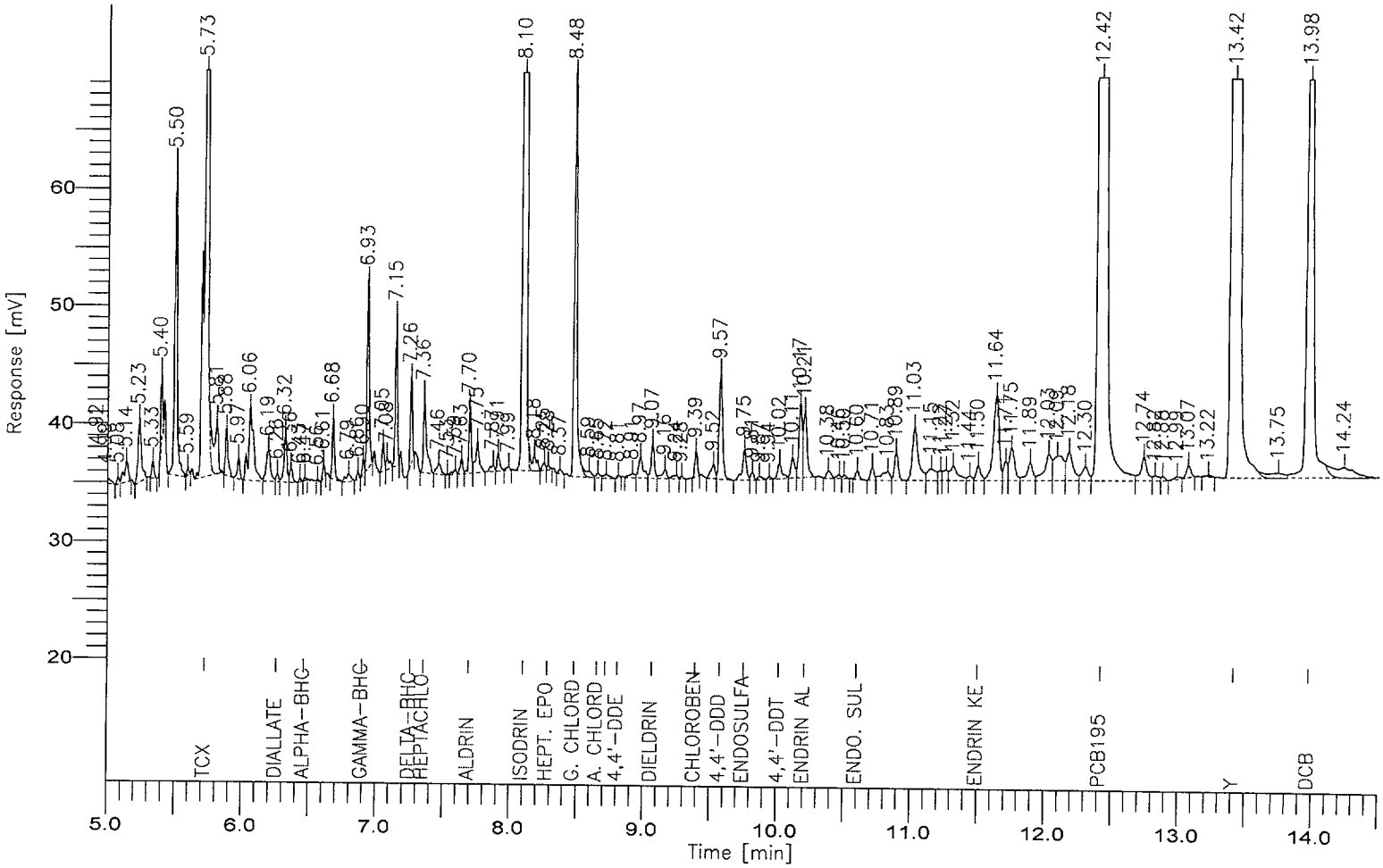
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2H3N1AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 07:50 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9017.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9017.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9017.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1676	0.20000	16.76	168486	119774	-0.035	-0.0020	5.729	10	6e+07	83.8
6.260	Diallate	0.0281	0.00000	2.81	951	720	0.320	0.0200	6.240	10	------	--------
6.465	ALPHA-BHC	0.0003	0.00000	0.03	268	246	-0.460	-0.0299	6.495	10	------	--------
6.900	GAMMA-BHC	0.0022	0.00000	0.22	1385	1335	0.029	0.0020	6.898	10	------	--------
6.993	BETA-BHC	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
7.258	DELTA-BHC	0.0122	0.00000	1.22	7874	7329	-0.630	-0.0460	7.304	10	------	--------
7.356	HEPTACHLOR	0.0145	0.00000	1.45	10911	6700	-0.162	-0.0119	7.367	10	------	--------
7.696	ALDRIN	0.0065	0.00000	0.65	6846	5652	-0.022	-0.0017	7.698	10	------	--------
8.099	ISODRIN	1.0000	5.0954e+05	100.00	779486	642086	-0.013	-0.0011	8.100	10	126.0	2.0e-04
8.281	HEPT. EPOXIDE	0.0007	0.00000	0.07	634	415	-0.046	-0.0038	8.285	10	------	--------
8.482	G. CHLORDANE	0.0564	0.00000	5.64	52558	35392	-0.101	-0.0086	8.490	10	------	--------
8.654	A. CHLORDANE	0.0007	0.00000	0.07	803	419	-0.015	-0.0013	8.655	10	------	--------
8.716	ENDOSULFAN I	0.0007	0.00000	0.07	1097	342	-0.068	-0.0060	8.722	10	------	--------
8.807	4,4'-DDE	0.0004	0.00000	0.04	265	194	-0.401	-0.0354	8.842	10	------	--------
9.066	DIELDRIN	0.0061	0.00000	0.61	4950	3036	0.220	0.0199	9.046	10	------	--------
9.391	Chlorobenzilat	0.0533	0.00000	5.33	2976	2142	-0.049	-0.0046	9.396	10	------	--------
9.432	ENDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.574	4,4'-DDD	0.0283	0.00000	2.83	16279	9086	0.055	0.0053	9.569	10	------	--------
9.754	ENDOSULFAN II	0.0065	0.00000	0.65	5515	2552	0.436	0.0423	9.712	10	------	--------
10.017	4,4'-DDT	0.0051	0.00000	0.51	3148	1334	0.111	0.0111	10.006	10	------	--------
10.207	ENDRIN ALDEHYD	0.0196	0.00000	1.96	10934	5646	0.159	0.0162	10.191	10	------	--------
10.599	ENDO. SULFATE	0.0025	0.00000	0.25	1492	758	-0.124	-0.0132	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.502	ENDRIN KETONE	0.0040	0.00000	0.40	3066	1262	-0.018	-0.0021	11.504	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1567623	695075	-0.020	-0.0024	12.424	10	------	--------
13.417	Y	2.0000	0.00000	200.00	1344980	548957	-0.024	-0.0033	13.421	10	------	--------
13.976	DCB	0.1843	0.20000	18.43	159026	56585	-0.023	-0.0033	13.980	10	3e+07	92.2
		5.5999			4151554	2e+06						176.0

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9017.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

Software Version: 4.1<2F12>
Sample Name : 6096188
Sample Number: H2H3P1AC
Operator : Analyst

Time : 4/22/2006 10:27 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

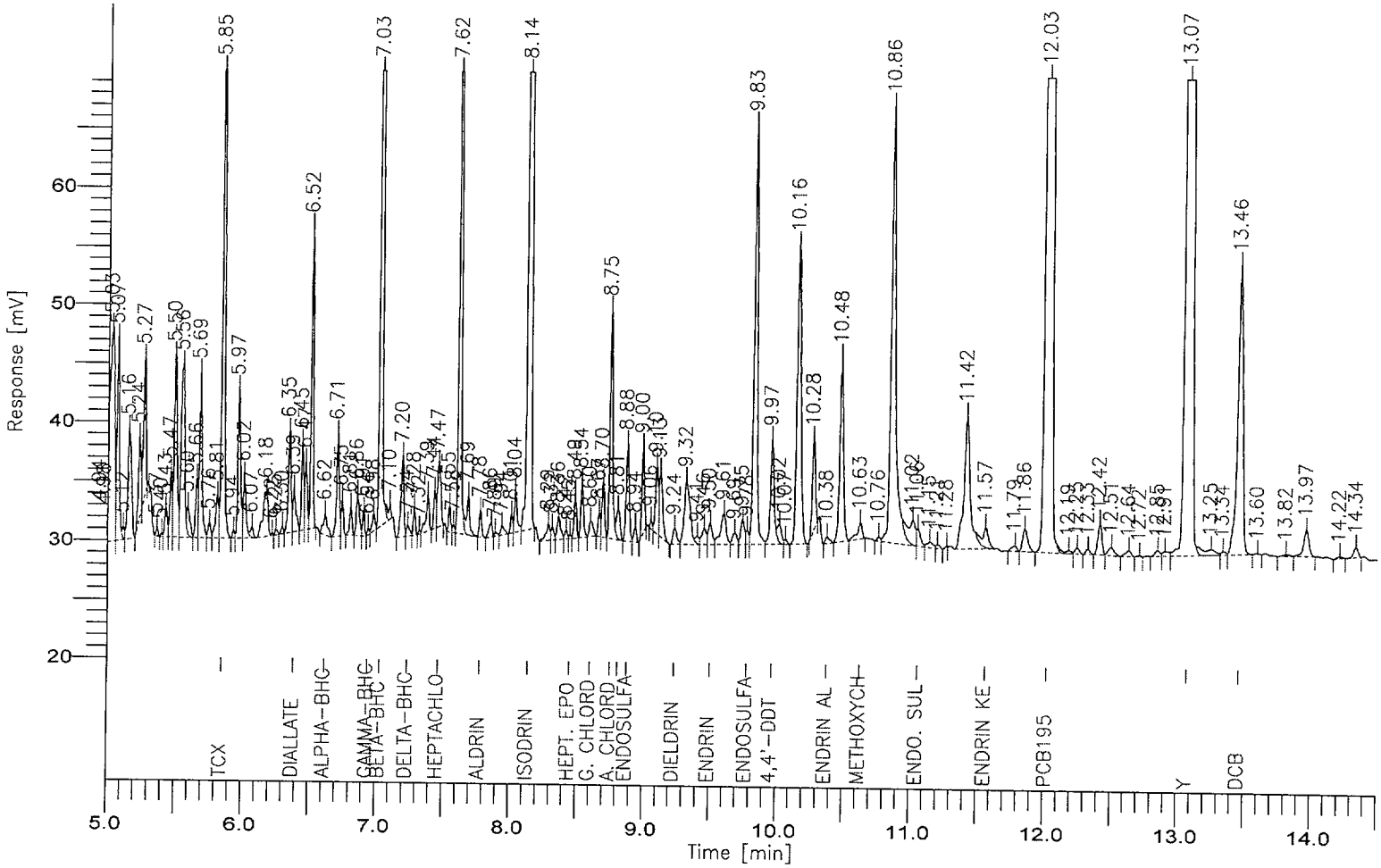
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 05:46 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9037.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9037.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9037.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.852	TCX	0.1941	0.20000	19.41	66067	52534	-0.025	-0.0015	5.853	10	3e+07	97.0
6.385	Diallate	0.3846	0.00000	38.46	5748	3574	0.147	0.0094	6.376	10	------	--------
6.619	ALPHA-BHC	0.0040	0.00000	0.40	3906	1774	0.680	0.0447	6.574	10	------	--------
6.940	GAMMA-BHC	0.0016	0.00000	0.16	556	574	-0.073	-0.0051	6.946	10	------	--------
7.029	BETA-BHC	0.7048	0.00000	70.48	127960	110596	-0.258	-0.0182	7.048	10	------	--------
7.235	DELTA-BHC	0.0026	0.00000	0.26	1540	932	-0.133	-0.0097	7.244	10	------	--------
7.466	HEPTACHLOR	0.0230	0.00000	2.30	9503	5325	-0.007	-0.0005	7.467	10	------	--------
7.777	ALDRIN	0.0058	0.00000	0.58	2772	2206	-0.056	-0.0043	7.782	10	------	--------
8.137	ISODRIN	1.0000	3.0422e+05	100.00	389403	307801	-0.017	-0.0014	8.139	10	101.2	3.3e-04
8.448	HEPT. EPOXIDE	0.0013	0.00000	0.13	395	351	0.146	0.0124	8.436	10	------	--------
8.603	G. CHLORDANE	0.0046	0.00000	0.46	2686	1294	0.341	0.0292	8.574	10	------	--------
8.754	A. CHLORDANE	0.0695	0.00000	6.95	28451	19405	0.312	0.0272	8.726	10	------	--------
8.810	4,4'-DDE	0.0104	0.00000	1.04	4821	2484	0.132	0.0116	8.798	10	------	--------
8.881	ENDOSULFAN I	0.0343	0.00000	3.43	13037	8240	-0.184	-0.0164	8.897	10	------	--------
9.235	DIELDRIN	0.0058	0.00000	0.58	2935	1364	0.489	0.0449	9.190	10	------	--------
9.501	ENDRIN	0.0108	0.00000	1.08	3848	1800	0.094	0.0089	9.492	10	------	--------
9.555	DDD & Chlorobe	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.780	ENDOSULFAN II	0.0066	0.00000	0.66	1912	1204	-0.169	-0.0165	9.797	10	------	--------
9.965	4,4'-DDT	0.0826	0.00000	8.26	17510	8836	0.336	0.0334	9.932	10	------	--------
10.378	ENDRIN ALDEHYD	0.0044	0.00000	0.44	1292	580	-0.249	-0.0259	10.404	10	------	--------
10.628	METHOXYCHLOR	0.0321	0.00000	3.21	3718	1347	-0.156	-0.0166	10.644	10	------	--------
11.057	ENDO. SULFATE	0.0119	0.00000	1.19	3291	1511	-0.365	-0.0405	11.097	10	------	--------
11.566	ENDRIN KETONE	0.0112	0.00000	1.12	5513	1672	-0.040	-0.0046	11.571	10	------	--------
12.026	PCB195	2.0000	0.00000	200.00	786786	360205	-0.023	-0.0028	12.029	10	------	--------
13.074	Y	2.0000	0.00000	200.00	686546	289160	-0.029	-0.0038	13.078	10	------	--------
13.462	DCB	0.2194	0.20000	21.94	65944	24610	-0.025	-0.0034	13.466	10	1e+07	109.7
		6.8253			2236138	1e+06						206.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9037.TX0

Software Version: 4.1<2F12>
Sample Name : 6096188
Sample Number: H2H3P1AC
Operator : Analyst

Time : 4/22/2006 10:27 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

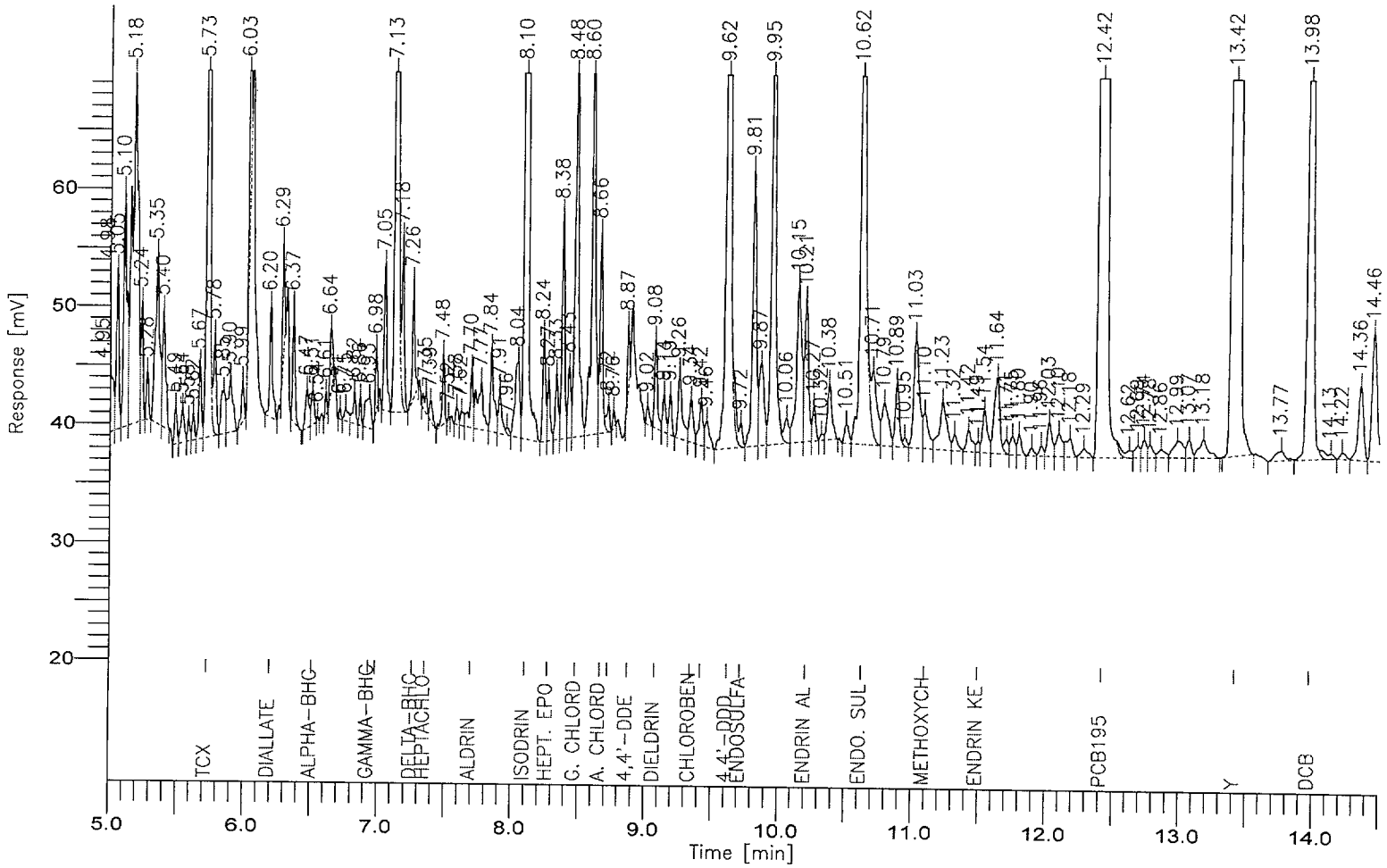
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 05:46 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9037.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9037.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9037.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.726	TCX	0.1661	0.20000	16.61	139866	107957	-0.018	-0.0010	5.727	10	5e+07	83.0
6.195	Diallate	0.4161	0.00000	41.61	13645	9593	-0.706	-0.0441	6.239	10	------	--------
6.507	ALPHA-BHC	0.0039	0.00000	0.39	4648	2954	0.190	0.0123	6.495	10	------	--------
6.932	GAMMA-BHC	0.0042	0.00000	0.42	8105	2606	0.491	0.0339	6.898	10	------	--------
6.983	BETA-BHC	0.0185	0.00000	1.85	5607	5374	-0.129	-0.0090	6.992	10	------	--------
7.258	DELTA-BHC	0.0167	0.00000	1.67	12951	10130	-0.619	-0.0452	7.303	10	------	--------
7.353	HEPTACHLOR	0.0041	0.00000	0.41	2963	1862	-0.176	-0.0130	7.366	10	------	--------
7.695	ALDRIN	0.0061	0.00000	0.61	8609	5070	-0.024	-0.0018	7.696	10	------	--------
8.099	ISODRIN	1.0000	5.1802e+05	100.00	757291	616898	-0.006	-0.0005	8.099	10	119.1	1.9e-04
8.271	HEPT. EPOXIDE	0.0096	0.00000	0.96	7529	5154	-0.150	-0.0124	8.284	10	------	--------
8.480	G. CHLORDANE	0.0540	0.00000	5.40	64904	32852	-0.116	-0.0099	8.490	10	------	--------
8.663	A. CHLORDANE	~~0.0278~~ GK	0.00000	2.78	26087	17119	0.111	0.0096	8.654	10	------	--------
8.721	ENDOSULFAN I	0.0044	0.00000	0.44	3770	2250	0.005	0.0005	8.721	10	------	--------
8.869	4,4'-DDE	0.0107	0.00000	1.07	6104	5415	0.315	0.0279	8.842	10	------	--------
9.075	DIELDRIN	0.0160	0.00000	1.60	12012	7556	0.322	0.0291	9.046	10	------	--------
9.342	Chlorobenzilat	0.1501	0.00000	15.01	7528	3637	-0.572	-0.0538	9.395	10	------	--------
9.418	ENDRIN	0.0107	0.00000	1.07	7794	3762	-0.141	-0.0133	9.431	10	------	--------
9.617	4,4'-DDD	0.2593	0.00000	25.93	164204	74908	0.501	0.0479	9.569	10	------	--------
9.715	ENDOSULFAN II	0.0050	0.00000	0.50	8780	1939	0.038	0.0037	9.712	10	------	--------
10.005	4,4'-DDT	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
10.205	ENDRIN ALDEHYD	0.0420	0.00000	4.20	25971	12093	0.146	0.0149	10.190	10	------	--------
10.622	ENDO. SULFATE	0.2121	0.00000	21.21	149124	60760	0.094	0.0100	10.612	10	------	--------
11.095	METHOXYCHLOR	0.0275	0.00000	2.75	8498	3010	0.005	0.0006	11.094	10	------	--------
11.493	ENDRIN KETONE	0.0031	0.00000	0.31	1665	955	-0.088	-0.0101	11.503	10	------	--------
12.421	PCB195	2.0000	0.00000	200.00	1605895	735807	-0.024	-0.0030	12.424	10	------	--------
13.417	Y	2.0000	0.00000	200.00	1407373	583689	-0.031	-0.0041	13.421	10	------	--------
13.975	DCB	0.2232	0.20000	22.32	152558	58568	-0.019	-0.0026	13.978	10	3e+07	111.6
		6.6910			4613482	2e+06						194.6

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9037.TX0

Calculation check TCX = $\frac{107957(100)}{616898(1.05387} = 16.6054$ ppb

$16.6054\ (0.01L) = 0.16605$ ug

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

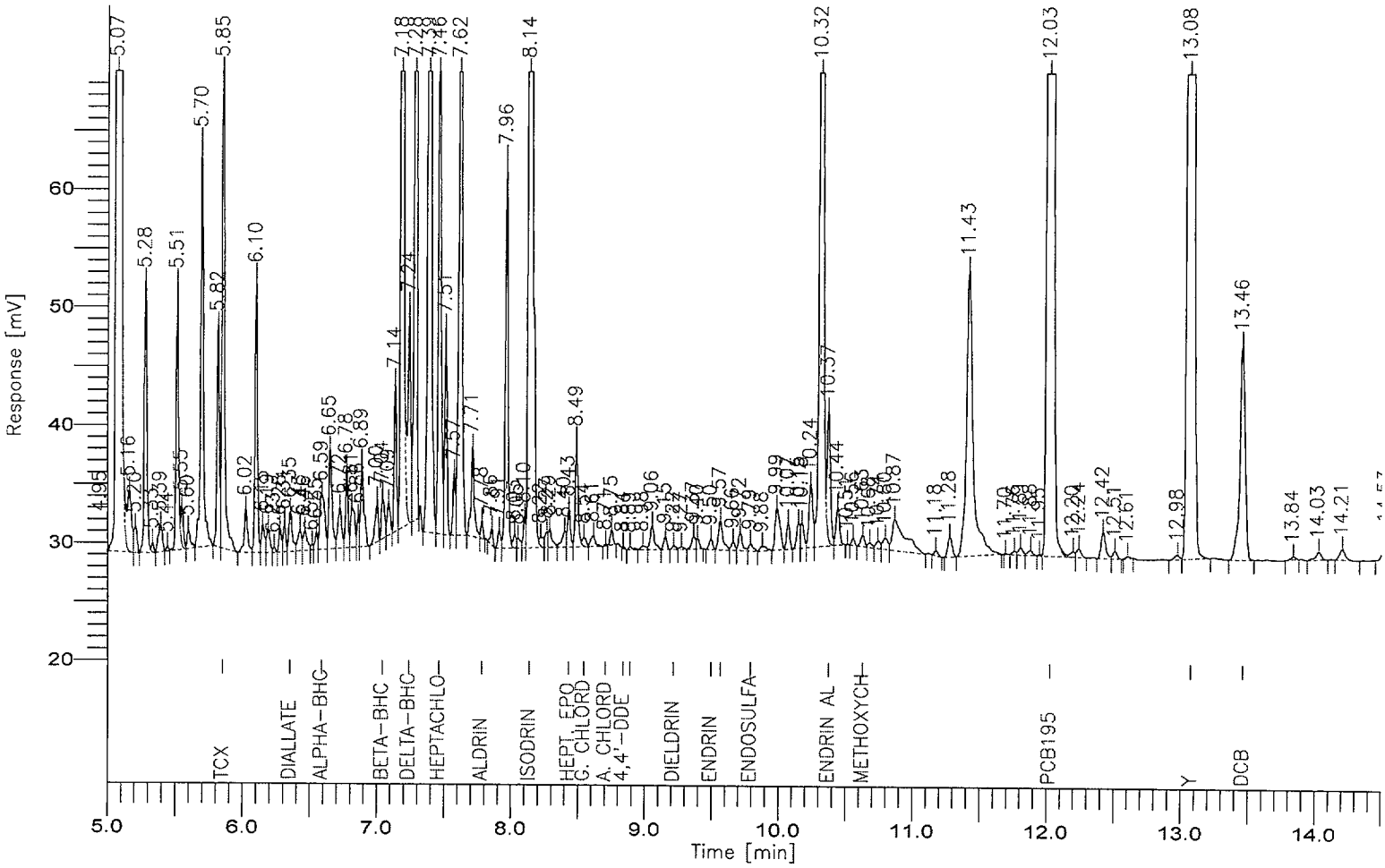
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 02:59 PM
Sample Number: H2H3Q1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 05:32 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9010.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9010.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9010.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 0.4630 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.4099	0.43197	18.98	67274	51596	-0.027	-0.0016	5.855	10	3e+07	94.9
6.354	Diallate	0.8352	0.00000	38.67	6233	3375	-0.359	-0.0229	6.377	10	------	--------
6.589	ALPHA-BHC	0.0231	0.00000	1.07	12446	4593	0.202	0.0133	6.576	10	------	--------
6.947	GAMMA-BHC	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
7.041	BETA-BHC	0.0517	0.00000	2.39	6033	3652	-0.105	-0.0074	7.049	10	------	--------
7.239	DELTA-BHC	0.1133	0.00000	5.25	28115	18335	-0.095	-0.0069	7.246	10	------	--------
7.463	HEPTACHLOR	0.5284	0.00000	24.46	69342	50429	-0.070	-0.0052	7.468	10	------	--------
7.781	ALDRIN	0.0083	0.00000	0.39	1674	1481	-0.031	-0.0024	7.783	10	------	--------
8.139	ISODRIN	2.1598	6.4609e+05	100.00	426879	312202	-0.012	-0.0010	8.140	10	104.4	3.3e-04
8.431	HEPT. EPOXIDE	0.0251	0.00000	1.16	4816	3129	-0.068	-0.0057	8.437	10	------	--------
8.544	G. CHLORDANE	0.0056	0.00000	0.26	1524	731	-0.364	-0.0312	8.576	10	------	--------
8.706	A. CHLORDANE	0.0012	0.00000	0.05	187	153	-0.254	-0.0222	8.728	10	------	--------
8.838	4,4'-DDE	0.0014	0.00000	0.06	159	154	0.433	0.0381	8.799	10	------	--------
8.888	ENDOSULFAN I	0.0026	0.00000	0.12	675	288	-0.120	-0.0107	8.899	10	------	--------
9.216	DIELDRIN	0.0027	0.00000	0.13	599	298	0.267	0.0245	9.191	10	------	--------
9.496	ENDRIN	0.0111	0.00000	0.51	1614	883	0.019	0.0018	9.494	10	------	--------
9.566	DDD & Chlorobe	0.6105	0.00000	28.27	5817	2429	0.101	0.0097	9.556	10	------	--------
9.791	ENDOSULFAN II	0.0074	0.00000	0.34	1369	624	-0.068	-0.0067	9.798	10	------	--------
9.934	4,4'-DDT	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
10.374	ENDRIN ALDEHYD	0.1840	0.00000	8.52	18122	10836	-0.305	-0.0317	10.406	10	------	--------
10.629	METHOXYCHLOR	0.0487	0.00000	2.26	1972	957	-0.150	-0.0159	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.573	ENDRIN KETONE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
12.027	PCB195	4.3197	0.00000	200.00	766764	350717	-0.025	-0.0030	12.030	10	------	--------
13.075	Y	4.3197	0.00000	200.00	647878	272063	-0.039	-0.0050	13.081	10	------	--------
13.464	DCB	0.3161	0.43197	14.64	49865	18145	-0.027	-0.0036	13.468	10	9e+06	73.2
		13.9855			2119357	1e+06						168.1

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9010.TX0

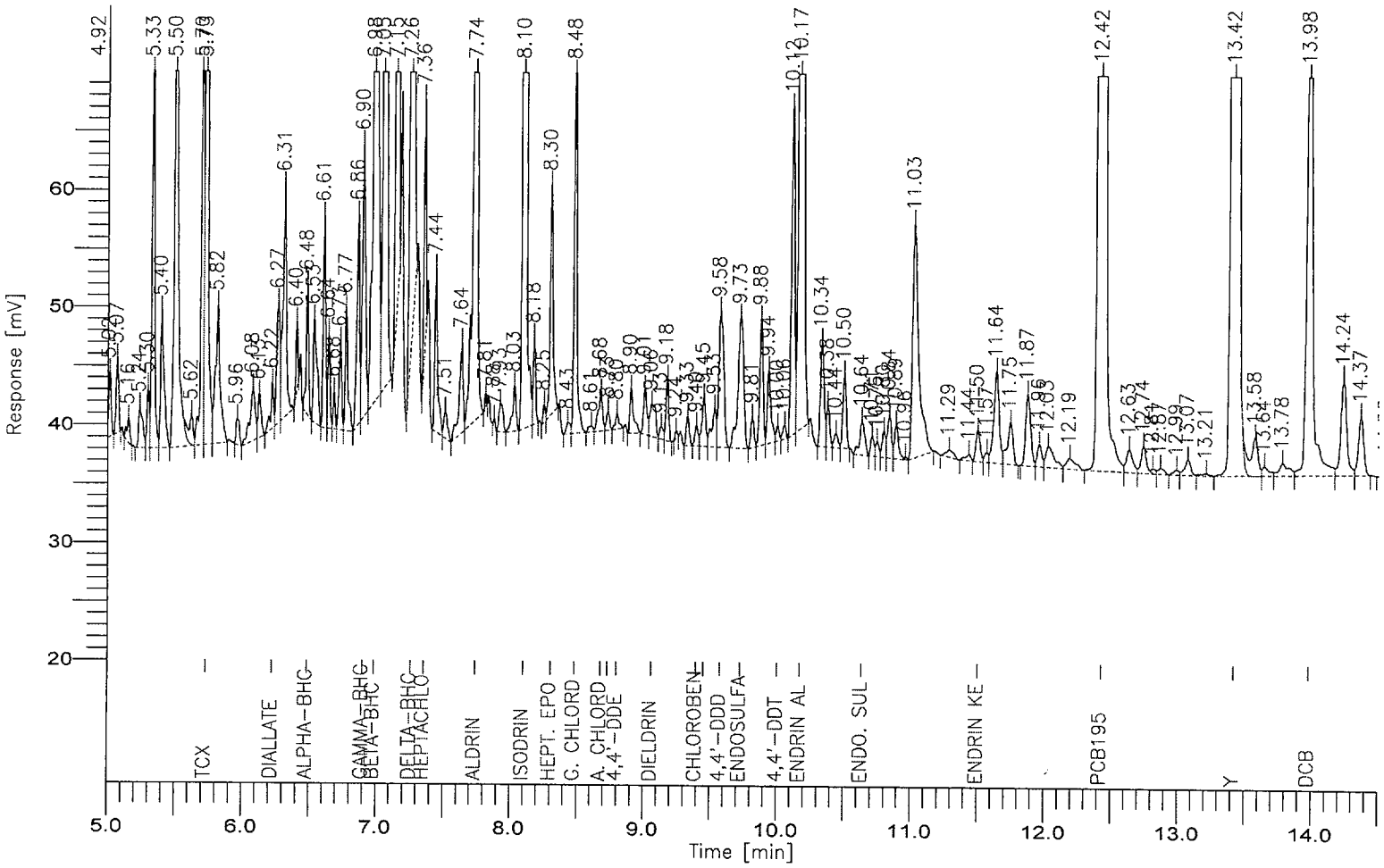
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 02:59 PM
Sample Number: H2H3Q1AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 05:32 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9010.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9010.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9010.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 0.4630 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.3816	0.43197	17.67	151446	119518	-0.026	-0.0015	5.729	10	6e+07	88.3
6.223	Diallate	0.4102	0.00000	18.99	6200	3888	-0.276	-0.0172	6.240	10	------	--------
6.483	ALPHA-BHC	0.0335	0.00000	1.55	13887	11186	-0.192	-0.0125	6.495	10	------	--------
6.900	GAMMA-BHC	0.0867	0.00000	4.01	38527	23251	0.029	0.0020	6.898	10	------	--------
6.983	BETA-BHC	2.8127	0.00000	130.23	440755	359942	-0.133	-0.0093	6.993	10	------	--------
7.258	DELTA-BHC	1.1662	0.00000	53.99	370289	307223	-0.624	-0.0456	7.304	10	------	--------
7.356	HEPTACHLOR	0.1068	0.00000	4.94	22320	21581	-0.159	-0.0117	7.367	10	------	--------
7.739	ALDRIN	0.1795	0.00000	8.31	137189	68492	0.542	0.0417	7.698	10	------	--------
8.100	ISODRIN	2.1598	1.1005e+06	100.00	752301	607730	-0.002	-0.0001	8.100	10	119.3	2.0e-04
8.304	HEPT. EPOXIDE	0.0809	0.00000	3.74	29960	19664	0.233	0.0193	8.285	10	------	--------
8.483	G. CHLORDANE	0.1230	0.00000	5.70	48915	33832	-0.092	-0.0078	8.490	10	------	--------
8.678	A. CHLORDANE	0.0118	0.00000	0.55	7349	3320	0.264	0.0228	8.655	10	------	--------
8.732	ENDOSULFAN I	0.0070	0.00000	0.33	2768	1614	0.111	0.0097	8.722	10	------	--------
8.800	4,4'-DDE	0.0055	0.00000	0.26	2503	1317	-0.483	-0.0427	8.842	10	------	--------
9.060	DIELDRIN	0.0128	0.00000	0.59	8529	2781	0.155	0.0140	9.046	10	------	--------
9.395	Chlorobenzilat	0.1184	0.00000	5.48	2956	1692	-0.010	-0.0009	9.396	10	------	--------
9.451	ENDRIN	0.0254	0.00000	1.18	8515	4175	0.207	0.0195	9.432	10	------	--------
9.575	4,4'-DDD	0.0828	0.00000	3.83	29662	11635	0.067	0.0064	9.569	10	------	--------
9.727	ENDOSULFAN II	0.0645	0.00000	2.98	33489	11141	0.153	0.0148	9.712	10	------	--------
10.003	4,4'-DDT	0.0109	0.00000	0.51	1978	1261	-0.028	-0.0028	10.006	10	------	--------
10.174	ENDRIN ALDEHYD	1.5721	0.00000	72.79	355731	198843	-0.168	-0.0171	10.191	10	------	--------
10.636	ENDO. SULFATE	0.0221	0.00000	1.02	7928	2912	0.222	0.0236	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.501	ENDRIN KETONE	0.0188	0.00000	0.87	5994	2611	-0.025	-0.0029	11.504	10	------	--------
12.423	PCB195	4.3197	0.00000	200.00	1533274	668165	-0.008	-0.0010	12.424	10	------	--------
13.419	Y	4.3197	0.00000	200.00	1316745	542985	-0.013	-0.0017	13.421	10	------	--------
13.978	DCB	0.3263	0.43197	15.11	134065	45565	-0.012	-0.0016	13.980	10	2e+07	75.5
		18.4586			5463278	3e+06						163.9

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9010.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

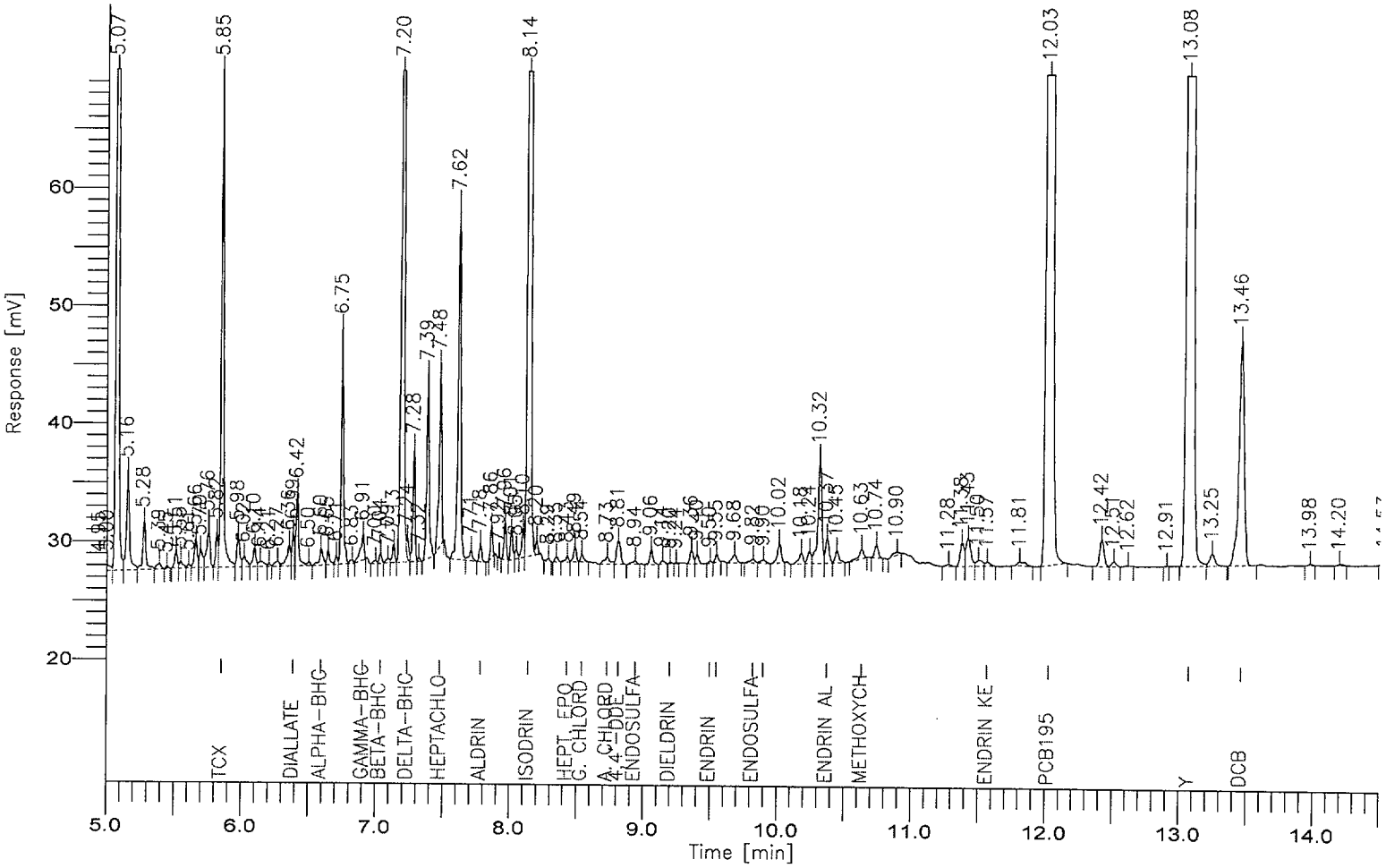
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2H3R1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 08:10 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9018.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9018.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9018.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1809	0.20000	18.09	55497	43667	-0.039	-0.0023	5.855	10	2e+07	90.4
6.386	Diallate	0.2636	0.00000	26.36	3499	2777	0.132	0.0084	6.377	10	------	--------
6.595	ALPHA-BHC	0.0035	0.00000	0.35	2651	1337	0.281	0.0185	6.576	10	------	--------
6.906	GAMMA-BHC	0.0070	0.00000	0.70	4128	2161	-0.583	-0.0405	6.947	10	------	--------
7.035	BETA-BHC	0.0063	0.00000	0.63	1103	854	-0.189	-0.0133	7.049	10	------	--------
7.236	DELTA-BHC	0.0054	0.00000	0.54	2106	1664	-0.127	-0.0092	7.246	10	------	--------
7.480	HEPTACHLOR	0.0844	0.00000	8.44	19652	15459	0.158	0.0118	7.468	10	------	--------
7.781	ALDRIN	0.0045	0.00000	0.45	1919	1541	-0.028	-0.0022	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	351571	277251	-0.019	-0.0016	8.140	10	92.7	3.3e-04
8.429	HEPT. EPOXIDE	0.0020	0.00000	0.20	822	480	-0.092	-0.0077	8.437	10	------	--------
8.538	G. CHLORDANE	0.0027	0.00000	0.27	1072	678	-0.438	-0.0375	8.576	10	------	--------
8.727	A. CHLORDANE	0.0026	0.00000	0.26	1875	636	-0.003	-0.0002	8.728	10	------	--------
8.811	4,4'-DDE	0.0089	0.00000	0.89	4235	1951	0.132	0.0117	8.799	10	------	--------
8.938	ENDOSULFAN I	0.0014	0.00000	0.14	679	288	0.445	0.0396	8.899	10	------	--------
9.199	DIELDRIN	0.0006	0.00000	0.06	199	132	0.084	0.0077	9.191	10	------	--------
9.498	ENDRIN	0.0011	0.00000	0.11	247	161	0.041	0.0039	9.494	10	------	--------
9.548	DDD & Chlorobe	0.2445	0.00000	24.45	971	645	-0.090	-0.0086	9.556	10	------	--------
9.821	ENDOSULFAN II	0.0022	0.00000	0.22	995	357	0.239	0.0234	9.798	10	------	--------
9.899	4,4'-DDT	0.0036	0.00000	0.36	989	323	-0.353	-0.0351	9.934	10	------	--------
10.373	ENDRIN ALDEHYD	0.0191	0.00000	1.91	3958	2153	-0.313	-0.0326	10.406	10	------	--------
10.631	METHOXYCHLOR	0.0220	0.00000	2.20	2084	829	-0.126	-0.0134	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.569	ENDRIN KETONE	0.0027	0.00000	0.27	950	356	-0.035	-0.0041	11.573	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	688212	317519	-0.026	-0.0031	12.030	10	------	--------
13.075	Y	2.0000	0.00000	200.00	585060	249913	-0.043	-0.0056	13.081	10	------	--------
13.464	DCB	0.1739	0.20000	17.39	51344	19153	-0.030	-0.0040	13.468	10	1e+07	87.0
		6.0429			1785819	942285						177.4

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9018.TX0

Software Version: 4.1<2F12>
Sample Name : 6096186
Sample Number: H2H3R1AC
Operator : Analyst

Time : 4/20/2006 03:00 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

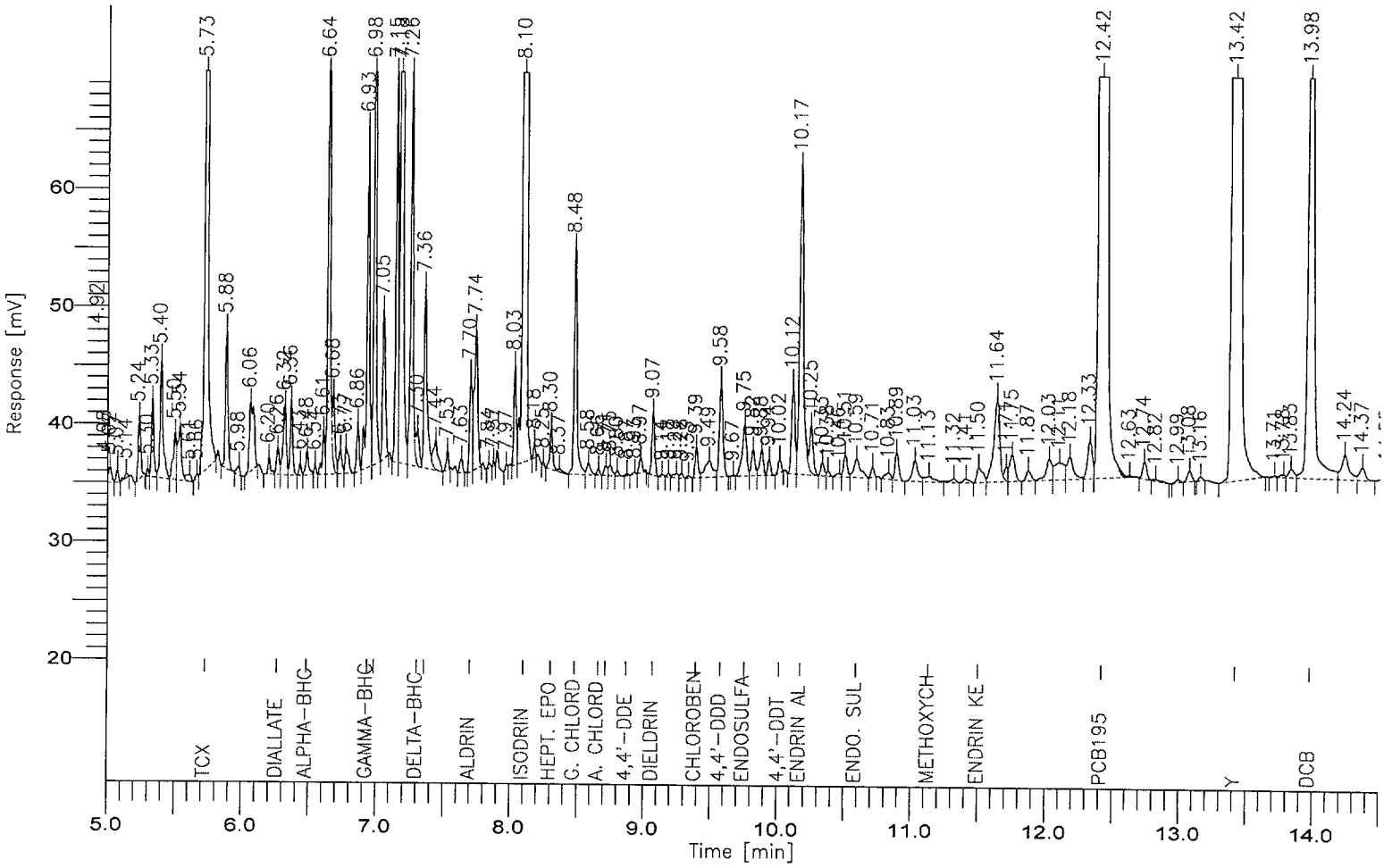
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 08:10 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9018.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9018.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9018.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1533	0.20000	15.33	140422	107893	-0.029	-0.0017	5.729	10	5e+07	76.7
6.264	Diallate	0.0959	0.00000	9.59	3214	2220	0.393	0.0245	6.240	10	------	--------
6.482	ALPHA-BHC	0.0027	0.00000	0.27	3269	2009	-0.198	-0.0129	6.495	10	------	--------
6.933	GAMMA-BHC	0.0482	0.00000	4.82	40266	29046	0.505	0.0349	6.898	10	------	--------
6.983	BETA-BHC	0.1514	0.00000	15.14	52912	43514	-0.141	-0.0098	6.993	10	------	--------
7.304	DELTA-BHC	0.0052	0.00000	0.52	5764	3067	-0.001	-0.0001	7.304	10	------	--------
7.360	HEPTACHLOR	0.0344	0.00000	3.44	25561	15613	-0.104	-0.0076	7.367	10	------	--------
7.700	ALDRIN	0.0098	0.00000	0.98	11295	8419	0.033	0.0025	7.698	10	------	--------
8.100	ISODRIN	1.0000	5.0954e+05	100.00	771996	632083	-0.002	-0.0001	8.100	10	124.0	2.0e-04
8.303	HEPT. EPOXIDE	0.0068	0.00000	0.68	5510	3733	0.227	0.0188	8.285	10	------	--------
8.483	G. CHLORDANE	0.0314	0.00000	3.14	30055	19416	-0.086	-0.0073	8.490	10	------	--------
8.659	A. CHLORDANE	0.0008	0.00000	0.08	724	531	0.042	0.0037	8.655	10	------	--------
8.712	ENDOSULFAN I	0.0016	0.00000	0.16	1374	815	-0.115	-0.0101	8.722	10	------	--------
8.871	4,4'-DDE	0.0004	0.00000	0.04	253	196	0.331	0.0293	8.842	10	------	--------
9.068	DIELDRIN	0.0111	0.00000	1.11	8071	5394	0.233	0.0211	9.046	10	------	--------
9.392	Chlorobenzilat	0.0709	0.00000	7.09	3921	2575	-0.036	-0.0034	9.396	10	------	--------
9.432	ENDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.575	4,4'-DDD	0.0262	0.00000	2.62	15034	8263	0.063	0.0060	9.569	10	------	--------
9.753	ENDOSULFAN II	0.0112	0.00000	1.12	10089	4350	0.427	0.0415	9.712	10	------	--------
10.016	4,4'-DDT	0.0045	0.00000	0.45	1889	1180	0.101	0.0101	10.006	10	------	--------
10.173	ENDRIN ALDEHYD	0.0926	0.00000	9.26	54942	26301	-0.171	-0.0174	10.191	10	------	--------
10.589	ENDO. SULFATE	0.0054	0.00000	0.54	5662	1582	-0.216	-0.0229	10.612	10	------	--------
11.132	METHOXYCHLOR	-0.0345	0.00000	-3.45	2484	482	0.350	0.0388	11.093	10	------	--------
11.503	ENDRIN KETONE	0.0042	0.00000	0.42	4187	1310	-0.012	-0.0013	11.504	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1557889	682369	-0.021	-0.0026	12.424	10	------	--------
13.418	Y	2.0000	0.00000	200.00	1342304	548050	-0.018	-0.0024	13.421	10	------	--------
13.977	DCB	0.1712	0.20000	17.12	149428	52433	-0.017	-0.0024	13.980	10	3e+07	85.6
		5.9047			4248518	2e+06						162.3

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9018.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

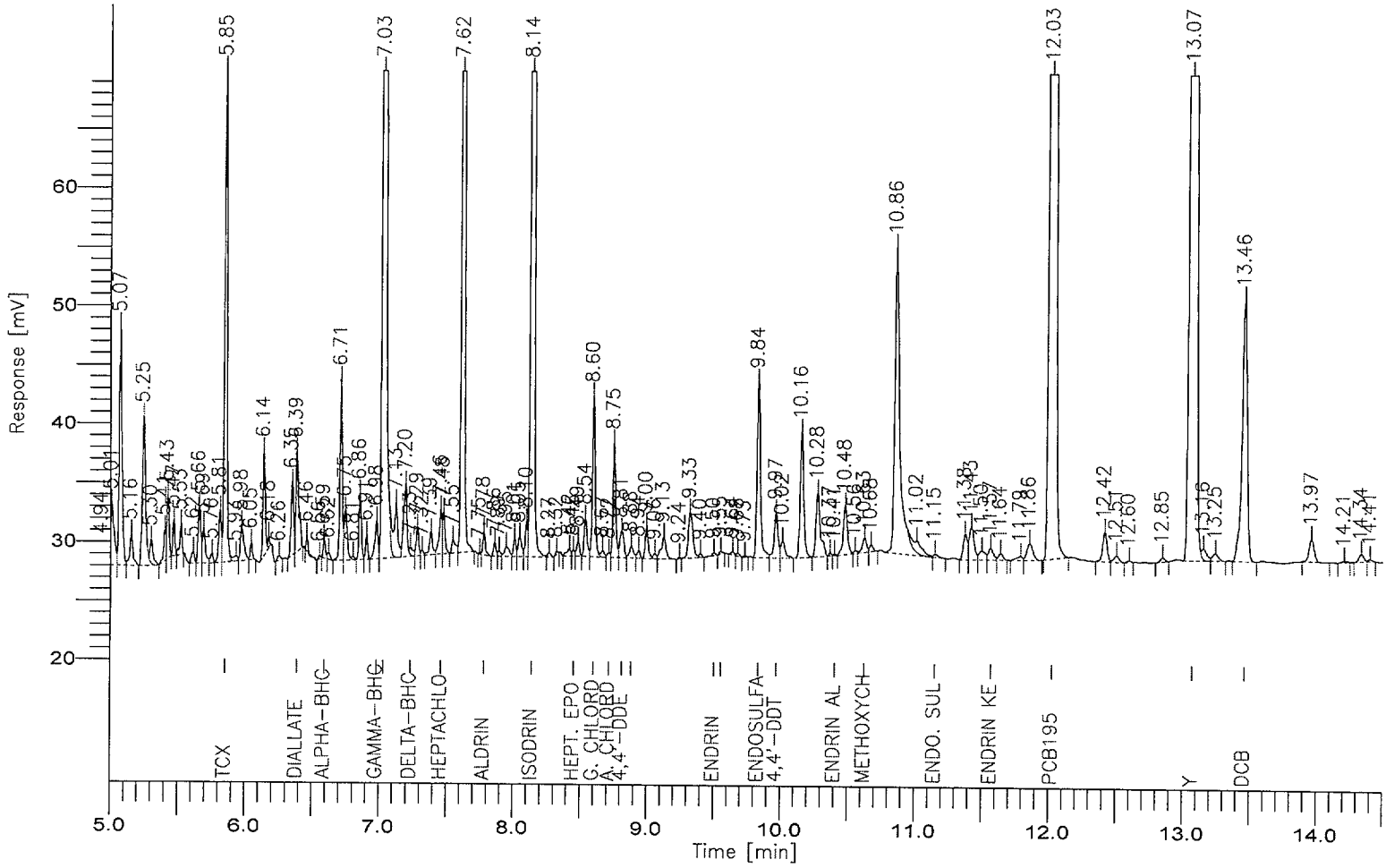
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H3T1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 06:06 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9038.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9038.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9038.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1728	0.20000	17.28	58417	47179	-0.010	-0.0006	5.853	10	2e+07	86.4
6.386	Diallate	0.8764	0.00000	87.64	13229	8472	0.165	0.0105	6.376	10	------	--------
6.590	ALPHA-BHC	0.0038	0.00000	0.38	1894	1678	0.245	0.0161	6.574	10	------	--------
6.981	GAMMA-BHC	0.0089	0.00000	0.89	5144	3300	0.515	0.0358	6.946	10	------	--------
7.030	BETA-BHC	4.3127	0.00000	431.27	788243	682767	-0.248	-0.0175	7.048	10	------	--------
7.234	DELTA-BHC	0.0019	0.00000	0.19	1266	695	-0.146	-0.0106	7.244	10	------	--------
7.459	HEPTACHLOR	0.0162	0.00000	1.62	5676	3773	-0.097	-0.0072	7.467	10	------	--------
7.781	ALDRIN	0.0051	0.00000	0.51	2556	1975	-0.008	-0.0006	7.782	10	------	--------
8.138	ISODRIN	1.0000	3.0422e+05	100.00	393338	310528	-0.010	-0.0008	8.139	10	102.1	3.3e-04
8.449	HEPT. EPOXIDE	0.0020	0.00000	0.20	715	556	0.162	0.0137	8.436	10	------	--------
8.600	G. CHLORDANE	0.0475	0.00000	4.75	19528	13572	0.305	0.0262	8.574	10	------	--------
8.715	A. CHLORDANE	0.0014	0.00000	0.14	603	395	-0.129	-0.0112	8.726	10	------	--------
8.812	4,4'-DDE	0.0091	0.00000	0.91	4829	2199	0.155	0.0136	8.798	10	------	--------
8.883	ENDOSULFAN I	0.0041	0.00000	0.41	2200	1000	-0.161	-0.0143	8.897	10	------	--------
9.190	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.502	ENDRIN	0.0015	0.00000	0.15	535	253	0.098	0.0093	9.492	10	------	--------
9.554	DDD & Chlorobe	0.2644	0.00000	26.44	378	233	-0.005	-0.0005	9.555	10	------	--------
9.835	ENDOSULFAN II	0.0813	0.00000	8.13	26840	14857	0.384	0.0377	9.797	10	------	--------
9.968	4,4'-DDT	0.0350	0.00000	3.50	7704	3779	0.358	0.0356	9.932	10	------	--------
10.405	ENDRIN ALDEHYD	0.0011	0.00000	0.11	200	152	0.008	0.0008	10.404	10	------	--------
10.628	METHOXYCHLOR	0.0287	0.00000	2.87	2754	1217	-0.156	-0.0166	10.644	10	------	--------
11.154	ENDO. SULFATE	0.0020	0.00000	0.20	618	254	0.505	0.0561	11.097	10	------	--------
11.569	ENDRIN KETONE	0.0066	0.00000	0.66	2587	996	-0.015	-0.0017	11.571	10	------	--------
12.025	PCB195	2.0000	0.00000	200.00	753155	346829	-0.029	-0.0035	12.029	10	------	--------
13.074	Y	2.0000	0.00000	200.00	650074	276343	-0.030	-0.0040	13.078	10	------	--------
13.462	DCB	0.1955	0.20000	19.55	58595	22124	-0.025	-0.0034	13.466	10	1e+07	97.8
		11.0781			2801079	2e+06						184.1

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9038.TX0

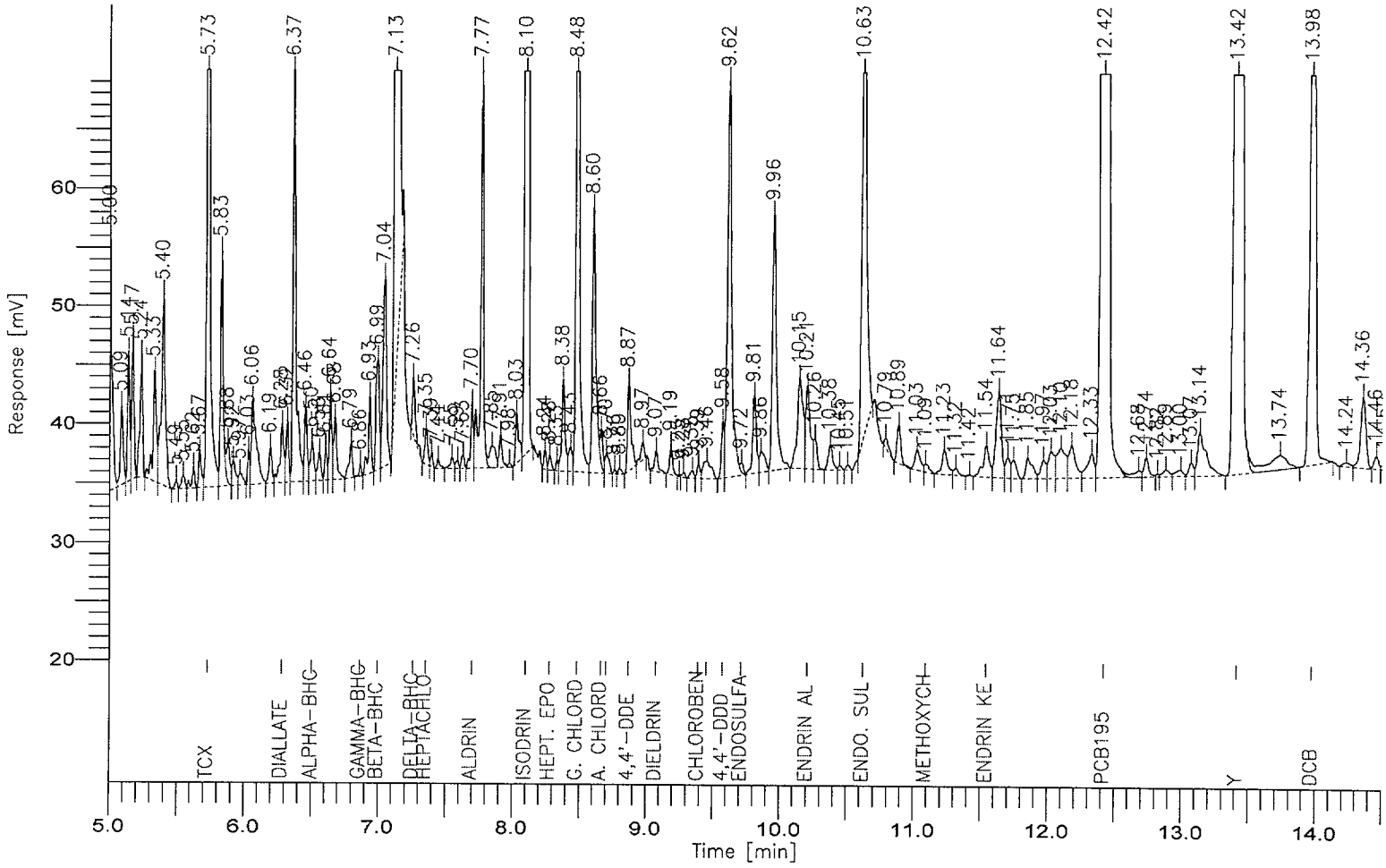
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H3T1AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 06:06 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9038.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9038.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9038.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1566	0.20000	15.66	138713	105138	-0.006	-0.0003	5.727	10	5e+07	78.3
6.280	Diallate	0.3124	0.00000	31.24	10358	4996	0.665	0.0415	6.239	10	------	--------
6.504	ALPHA-BHC	0.0042	0.00000	0.42	6333	3325	0.150	0.0097	6.495	10	------	--------
6.863	GAMMA-BHC	0.0016	0.00000	0.16	1134	1037	-0.500	-0.0345	6.898	10	------	--------
6.993	BETA-BHC	0.0312	0.00000	3.12	16842	9361	0.019	0.0014	6.992	10	------	--------
7.259	DELTA-BHC	0.0079	0.00000	0.79	7545	4990	-0.608	-0.0444	7.303	10	------	--------
7.354	HEPTACHLOR	0.0065	0.00000	0.65	4584	3068	-0.175	-0.0129	7.366	10	------	--------
7.696	ALDRIN	0.0064	0.00000	0.64	7636	5511	-0.001	-0.0000	7.696	10	------	--------
8.100	ISODRIN	1.0000	5.1802e+05	100.00	765592	637164	0.001	0.0001	8.099	10	123.0	1.9e-04
8.277	HEPT. EPOXIDE	0.0022	0.00000	0.22	1787	1219	-0.078	-0.0065	8.284	10	------	--------
8.482	G. CHLORDANE	0.1361	0.00000	13.61	126934	85551	-0.094	-0.0080	8.490	10	------	--------
8.662	A. CHLORDANE	0.0044	0.00000	0.44	4318	2791	0.098	0.0085	8.654	10	------	--------
8.701	ENDOSULFAN I	0.0032	0.00000	0.32	3677	1685	-0.230	-0.0201	8.721	10	------	--------
8.870	4,4'-DDE	0.0145	0.00000	1.45	13626	7573	0.320	0.0283	8.842	10	------	--------
9.074	DIELDRIN	0.0036	0.00000	0.36	3400	1742	0.309	0.0279	9.046	10	------	--------
9.392	Chlorobenzilat	0.0398	0.00000	3.98	2018	1269	-0.038	-0.0036	9.395	10	------	--------
9.457	ENDRIN	0.0041	0.00000	0.41	6589	1486	0.271	0.0256	9.431	10	------	--------
9.575	4,4'-DDD	0.0159	0.00000	1.59	6857	4737	0.060	0.0058	9.569	10	------	--------
9.715	ENDOSULFAN II	0.0020	0.00000	0.20	1504	779	0.032	0.0031	9.712	10	------	--------
10.005	4,4'-DDT	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
10.207	ENDRIN ALDEHYD	0.0234	0.00000	2.34	16530	6968	0.162	0.0165	10.190	10	------	--------
10.625	ENDO. SULFATE	0.1430	0.00000	14.30	95597	42320	0.120	0.0127	10.612	10	------	--------
11.091	METHOXYCHLOR	0.0058	0.00000	0.58	1816	650	-0.024	-0.0026	11.094	10	------	--------
11.544	ENDRIN KETONE	0.0084	0.00000	0.84	8783	2662	0.356	0.0409	11.503	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1577413	710323	-0.020	-0.0025	12.424	10	------	--------
13.416	Y	2.0000	0.00000	200.00	1368734	558110	-0.032	-0.0042	13.421	10	------	--------
13.976	DCB	0.1920	0.20000	19.20	140811	53406	-0.014	-0.0020	13.978	10	3e+07	96.0
		6.1252			4339129	2e+06						174.3

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9038.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

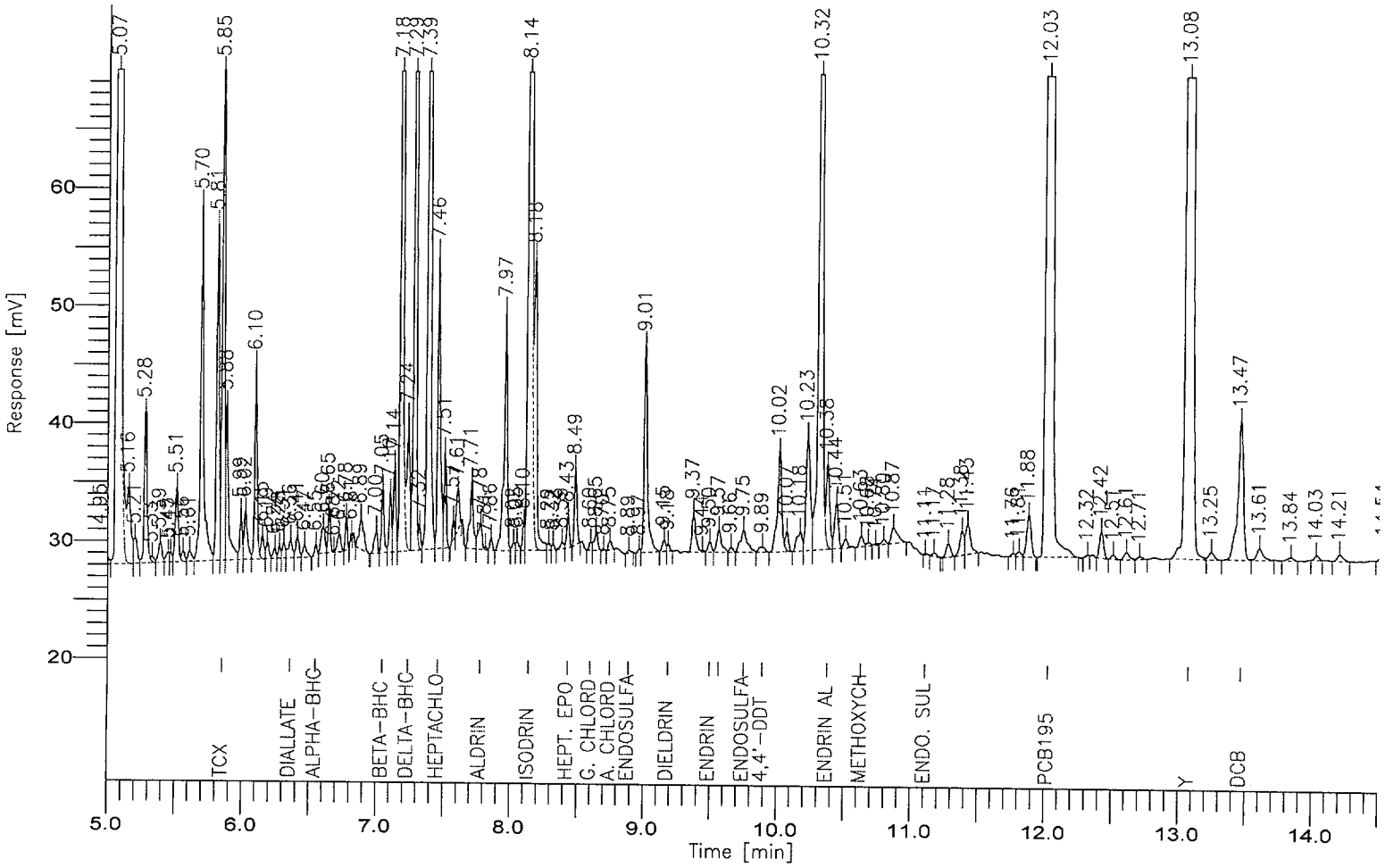
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 02:59 PM
Sample Number: H2H3V1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 05:52 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9011.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9011.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9011.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 0.5000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.854	TCX	0.3812	0.40000	19.06	64713	52365	-0.015	-0.0009	5.855	10	3e+07	95.3
6.360	Diallate	0.4466	0.00000	22.33	3447	1650	-0.267	-0.0170	6.377	10	------	--------
6.549	ALPHA-BHC	0.0039	0.00000	0.20	1052	850	-0.411	-0.0270	6.576	10	------	--------
6.947	GAMMA-BHC	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
7.047	BETA-BHC	0.0702	0.00000	3.51	7192	5411	-0.031	-0.0022	7.049	10	------	--------
7.238	DELTA-BHC	0.0640	0.00000	3.20	17981	11302	-0.111	-0.0081	7.246	10	------	--------
7.462	HEPTACHLOR	0.2422	0.00000	12.11	36379	25229	-0.082	-0.0061	7.468	10	------	--------
7.778	ALDRIN	0.0117	0.00000	0.59	4819	2273	-0.071	-0.0055	7.783	10	------	--------
8.140	ISODRIN	2.0000	5.9828e+05	100.00	408905	315477	-0.006	-0.0005	8.140	10	105.5	3.3e-04
8.432	HEPT. EPOXIDE	0.0198	0.00000	0.99	3761	2700	-0.058	-0.0049	8.437	10	------	--------
8.601	G. CHLORDANE	0.0049	0.00000	0.24	961	691	0.295	0.0253	8.576	10	------	--------
8.747	A. CHLORDANE	0.0052	0.00000	0.26	1299	727	0.217	0.0189	8.728	10	------	--------
8.799	4,4'-DDE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
8.889	ENDOSULFAN I	0.0019	0.00000	0.10	369	231	-0.109	-0.0097	8.899	10	------	--------
9.184	DIELDRIN	0.0052	0.00000	0.26	768	616	-0.079	-0.0072	9.191	10	------	--------
9.496	ENDRIN	0.0103	0.00000	0.51	1662	893	0.016	0.0015	9.494	10	------	--------
9.565	DDD & Chlorobe	0.5395	0.00000	26.97	4697	1872	0.092	0.0088	9.556	10	------	--------
9.750	ENDOSULFAN II	0.0204	0.00000	1.02	6714	1877	-0.493	-0.0483	9.798	10	------	--------
9.891	4,4'-DDT	0.0084	0.00000	0.42	1410	434	-0.429	-0.0426	9.934	10	------	--------
10.377	ENDRIN ALDEHYD	0.1065	0.00000	5.32	12486	6844	-0.275	-0.0286	10.406	10	------	--------
10.630	METHOXYCHLOR	0.0430	0.00000	2.15	1948	921	-0.141	-0.0150	10.645	10	------	--------
11.109	ENDO. SULFATE	0.0019	0.00000	0.09	231	121	0.089	0.0099	11.099	10	------	--------
11.573	ENDRIN KETONE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
12.028	PCB195	4.0000	0.00000	200.00	759366	350537	-0.015	-0.0018	12.030	10	------	--------
13.077	Y	4.0000	0.00000	200.00	644416	272977	-0.030	-0.0039	13.081	10	------	--------
13.465	DCB	0.1874	0.40000	9.37	33871	11739	-0.025	-0.0034	13.468	10	6e+06	46.8
		12.1741			2018445	1e+06						142.2

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9011.TX0

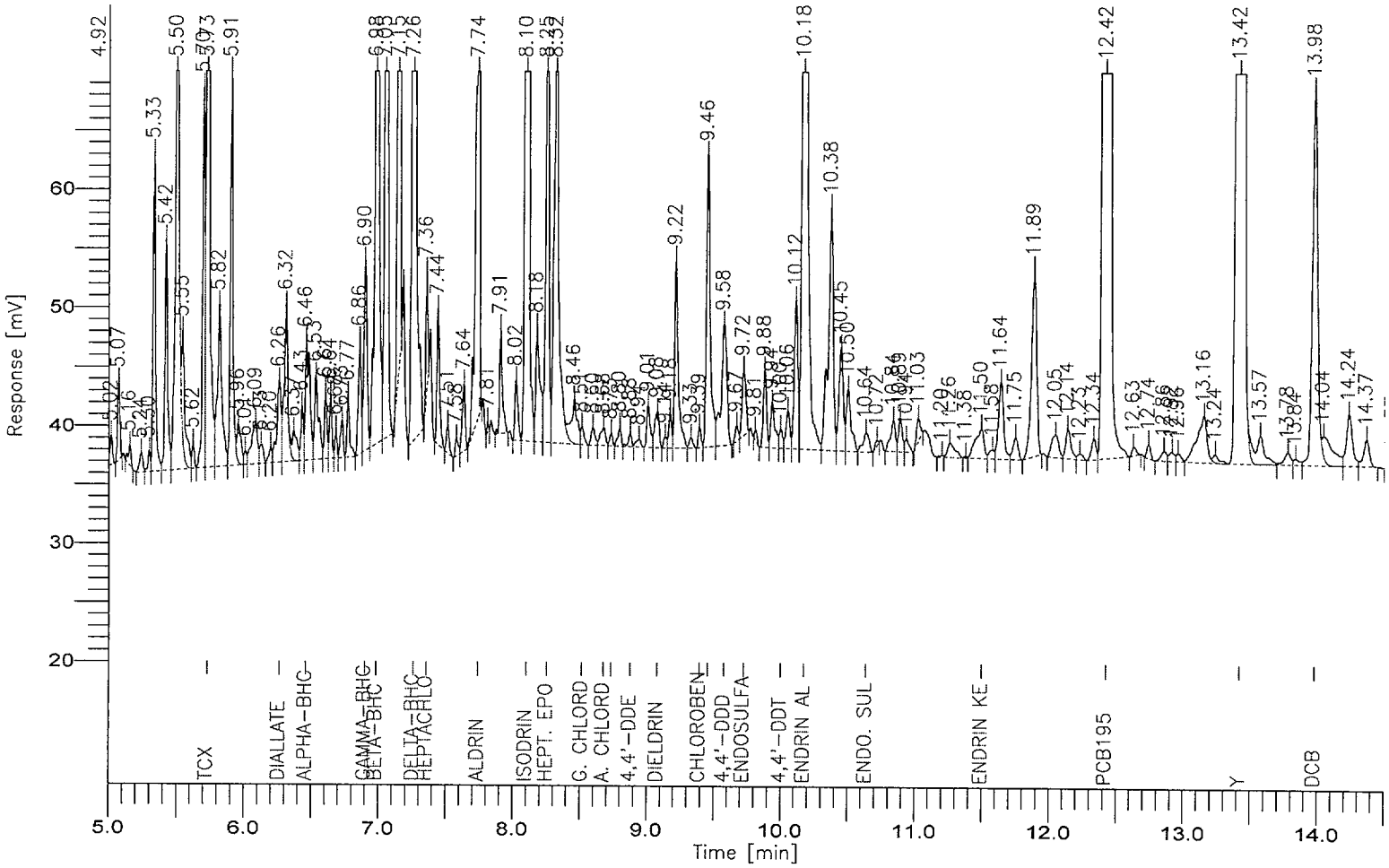
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:00 PM
Sample Number: H2H3V1AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 05:52 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9011.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9011.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9011.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 0.5000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.728	TCX	0.3559	0.40000	17.80	163997	124033	-0.014	-0.0008	5.729	10	6e+07	89.0
6.262	Diallate	0.9017	0.00000	45.08	15064	6890	0.355	0.0222	6.240	10	------	--------
6.462	ALPHA-BHC	0.0272	0.00000	1.36	23835	10095	-0.507	-0.0329	6.495	10	------	--------
6.901	GAMMA-BHC	0.0541	0.00000	2.70	27096	16131	0.036	0.0025	6.898	10	------	--------
6.984	BETA-BHC	1.6874	0.00000	84.37	290791	240243	-0.129	-0.0090	6.993	10	------	--------
7.259	DELTA-BHC	1.0107	0.00000	50.54	369038	296248	-0.619	-0.0452	7.304	10	------	--------
7.357	HEPTACHLOR	0.0447	0.00000	2.23	10622	10043	-0.143	-0.0105	7.367	10	------	--------
7.739	ALDRIN	0.0990	0.00000	4.95	81051	42002	0.544	0.0419	7.698	10	------	--------
8.100	ISODRIN	2.0000	1.0191e+06	100.00	769980	626112	0.002	0.0002	8.100	10	122.9	2.0e-04
8.253	HEPT. EPOXIDE	0.1709	0.00000	8.54	68287	46232	-0.378	-0.0313	8.285	10	------	--------
8.514	G. CHLORDANE	0.0051	0.00000	0.25	2742	1557	0.275	0.0233	8.490	10	------	--------
8.677	A. CHLORDANE	0.0048	0.00000	0.24	4102	1520	0.259	0.0224	8.655	10	------	--------
8.733	ENDOSULFAN I	0.0044	0.00000	0.22	1663	1116	0.125	0.0109	8.722	10	------	--------
8.875	4,4'-DDE	0.0045	0.00000	0.22	2046	1186	0.374	0.0330	8.842	10	------	--------
9.080	DIELDRIN	0.0128	0.00000	0.64	7406	3079	0.368	0.0333	9.046	10	------	--------
9.394	Chlorobenzilat	0.0945	0.00000	4.72	2605	1715	-0.019	-0.0018	9.396	10	------	--------
9.456	ENDRIN	0.1354	0.00000	6.77	50071	24775	0.256	0.0241	9.432	10	------	--------
9.577	4,4'-DDD	0.0657	0.00000	3.28	30626	10267	0.089	0.0085	9.569	10	------	--------
9.724	ENDOSULFAN II	0.0291	0.00000	1.45	11410	5591	0.123	0.0120	9.712	10	------	--------
10.001	4,4'-DDT	0.0129	0.00000	0.64	2835	1656	-0.044	-0.0044	10.006	10	------	--------
10.175	ENDRIN ALDEHYD	1.1673	0.00000	58.36	308974	164261	-0.156	-0.0159	10.191	10	------	--------
10.636	ENDO. SULFATE	0.0114	0.00000	0.57	5383	1665	0.229	0.0243	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.497	ENDRIN KETONE	0.0167	0.00000	0.83	11582	2582	-0.060	-0.0069	11.504	10	------	--------
12.424	PCB195	4.0000	0.00000	200.00	1581033	702955	-0.003	-0.0004	12.424	10	------	--------
13.420	Y	4.0000	0.00000	200.00	1352724	559514	-0.008	-0.0011	13.421	10	------	--------
13.978	DCB	0.1785	0.40000	8.92	85817	31642	-0.009	-0.0013	13.980	10	2e+07	44.6
		16.0943			5280781	3e+06						133.6

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9011.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

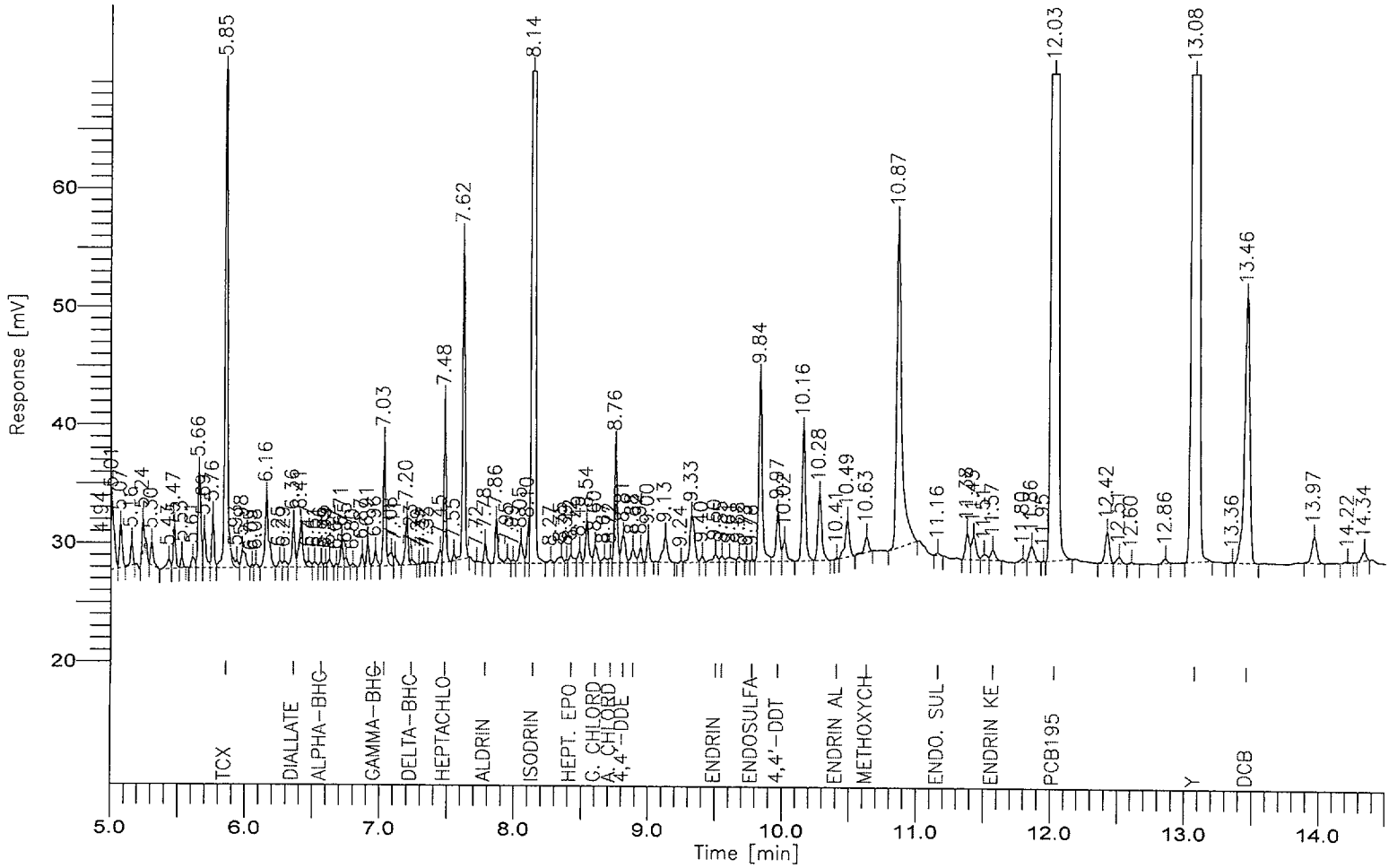
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H3W1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 06:26 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9039.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9039.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9039.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1758	0.20000	17.58	62808	47911	-0.011	-0.0007	5.853	10	2e+07	87.9
6.356	Diallate	0.3747	0.00000	37.47	5624	3636	-0.319	-0.0203	6.376	10	------	--------
6.561	ALPHA-BHC	0.0009	0.00000	0.09	680	418	-0.205	-0.0135	6.574	10	------	--------
6.964	GAMMA-BHC	0.0034	0.00000	0.34	2066	1265	0.268	0.0186	6.946	10	------	--------
7.030	BETA-BHC	0.0669	0.00000	6.69	12970	10566	-0.246	-0.0173	7.048	10	------	--------
7.234	DELTA-BHC	0.0012	0.00000	0.12	719	428	-0.150	-0.0108	7.244	10	------	--------
7.480	HEPTACHLOR	0.0591	0.00000	5.91	15604	13776	0.179	0.0134	7.467	10	------	--------
7.781	ALDRIN	0.0044	0.00000	0.44	2192	1711	-0.004	-0.0003	7.782	10	------	--------
8.139	ISODRIN	1.0000	3.0422e+05	100.00	391088	309998	-0.001	-0.0001	8.139	10	101.9	3.3e-04
8.421	HEPT. EPOXIDE	0.0026	0.00000	0.26	1697	719	-0.171	-0.0145	8.436	10	------	--------
8.603	G. CHLORDANE	0.0051	0.00000	0.51	2831	1455	0.339	0.0291	8.574	10	------	--------
8.715	A. CHLORDANE	0.0015	0.00000	0.15	630	425	-0.135	-0.0118	8.726	10	------	--------
8.812	4,4'-DDE	0.0093	0.00000	0.93	5024	2244	0.159	0.0140	8.798	10	------	--------
8.884	ENDOSULFAN I	0.0048	0.00000	0.48	2459	1164	-0.142	-0.0126	8.897	10	------	--------
9.190	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.501	ENDRIN	0.0039	0.00000	0.39	1907	659	0.088	0.0083	9.492	10	------	--------
9.549	DDD & Chlorobe	0.2705	0.00000	27.05	1024	507	-0.063	-0.0060	9.555	10	------	--------
9.777	ENDOSULFAN II	0.0009	0.00000	0.09	325	171	-0.209	-0.0205	9.797	10	------	--------
9.968	4,4'-DDT	0.0374	0.00000	3.74	8334	4030	0.365	0.0363	9.932	10	------	--------
10.408	ENDRIN ALDEHYD	0.0008	0.00000	0.08	122	109	0.035	0.0036	10.404	10	------	--------
10.629	METHOXYCHLOR	0.0298	0.00000	2.98	2903	1259	-0.147	-0.0156	10.644	10	------	--------
11.161	ENDO. SULFATE	0.0017	0.00000	0.17	390	217	0.575	0.0638	11.097	10	------	--------
11.570	ENDRIN KETONE	0.0058	0.00000	0.58	2096	879	-0.007	-0.0008	11.571	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	765090	356457	-0.013	-0.0015	12.029	10	------	--------
13.076	Y	2.0000	0.00000	200.00	659323	280295	-0.015	-0.0020	13.078	10	------	--------
13.463	DCB	0.1990	0.20000	19.90	60114	22479	-0.020	-0.0026	13.466	10	1e+07	99.5
		6.2597			2008018	1e+06						187.4

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9039.TX0

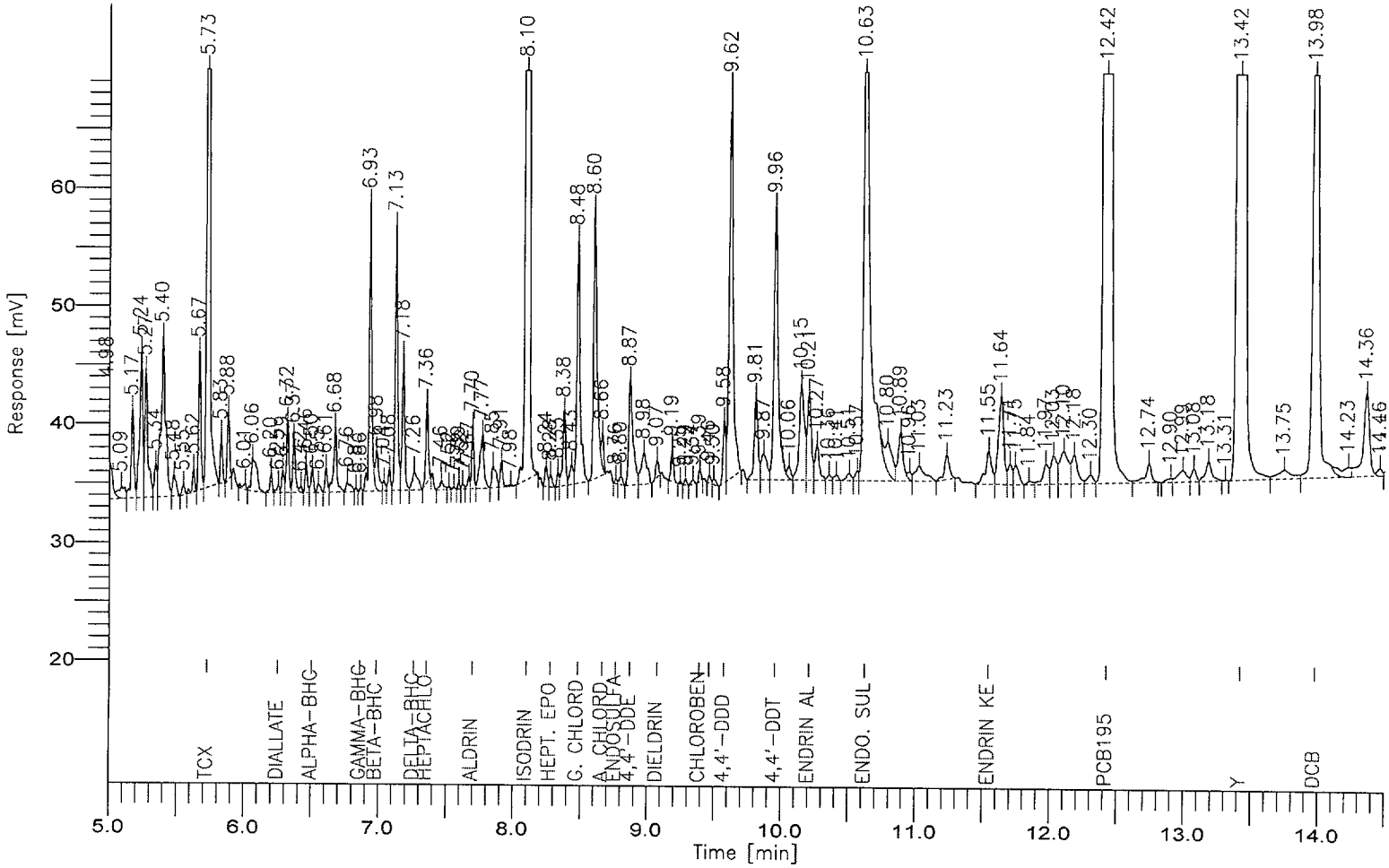
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H3W1AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 06:26 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9039.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9039.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9039.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1601	0.20000	16.01	134768	107791	-0.014	-0.0008	5.727	10	5e+07	80.1
6.252	Diallate	0.0284	0.00000	2.84	962	701	0.206	0.0128	6.239	10	------	--------
6.503	ALPHA-BHC	0.0026	0.00000	0.26	2710	2029	0.134	0.0087	6.495	10	------	--------
6.863	GAMMA-BHC	0.0005	0.00000	0.05	360	322	-0.502	-0.0346	6.898	10	------	--------
6.983	BETA-BHC	0.0108	0.00000	1.08	6140	3263	-0.133	-0.0093	6.992	10	------	--------
7.262	DELTA-BHC	0.0027	0.00000	0.27	4554	1678	-0.568	-0.0415	7.303	10	------	--------
7.355	HEPTACHLOR	0.0142	0.00000	1.42	8500	6731	-0.152	-0.0112	7.366	10	------	--------
7.696	ALDRIN	0.0062	0.00000	0.62	6037	5352	-0.007	-0.0006	7.696	10	------	--------
8.100	ISODRIN	1.0000	5.1802e+05	100.00	783010	638834	0.003	0.0002	8.099	10	123.3	1.9e-04
8.277	HEPT. EPOXIDE	0.0019	0.00000	0.19	1480	1043	-0.082	-0.0068	8.284	10	------	--------
8.481	G. CHLORDANE	0.0329	0.00000	3.29	35790	20730	-0.102	-0.0087	8.490	10	------	--------
8.664	A. CHLORDANE	0.0043	0.00000	0.43	3365	2748	0.119	0.0103	8.654	10	------	--------
8.764	ENDOSULFAN I	0.0008	0.00000	0.08	562	437	0.501	0.0437	8.721	10	------	--------
8.871	4,4'-DDE	0.0170	0.00000	1.70	19592	8883	0.331	0.0292	8.842	10	------	--------
9.074	DIELDRIN	0.0029	0.00000	0.29	2105	1426	0.311	0.0281	9.046	10	------	--------
9.392	Chlorobenzilat	0.0251	0.00000	2.51	1301	1085	-0.038	-0.0036	9.395	10	------	--------
9.463	ENDRIN	0.0018	0.00000	0.18	903	663	0.335	0.0316	9.431	10	------	--------
9.576	4,4'-DDD	0.0173	0.00000	1.73	7434	5179	0.069	0.0066	9.569	10	------	--------
9.712	ENDOSULFAN II	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.956	4,4'-DDT	0.0939	0.00000	9.39	52935	23214	-0.498	-0.0498	10.005	10	------	--------
10.207	ENDRIN ALDEHYD	0.0239	0.00000	2.39	15248	7136	0.164	0.0168	10.190	10	------	--------
10.625	ENDO. SULFATE	0.1674	0.00000	16.74	153454	49651	0.123	0.0130	10.612	10	------	--------
11.094	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.546	ENDRIN KETONE	0.0089	0.00000	0.89	9172	2797	0.368	0.0424	11.503	10	------	--------
12.423	PCB195	2.0000	0.00000	200.00	1609874	721826	-0.012	-0.0015	12.424	10	------	--------
13.420	Y	2.0000	0.00000	200.00	1406106	580061	-0.008	-0.0011	13.421	10	------	--------
13.976	DCB	0.2096	0.20000	20.96	158061	57550	-0.013	-0.0019	13.978	10	3e+07	104.8
		5.8331			4424425	2e+06						184.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9039.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

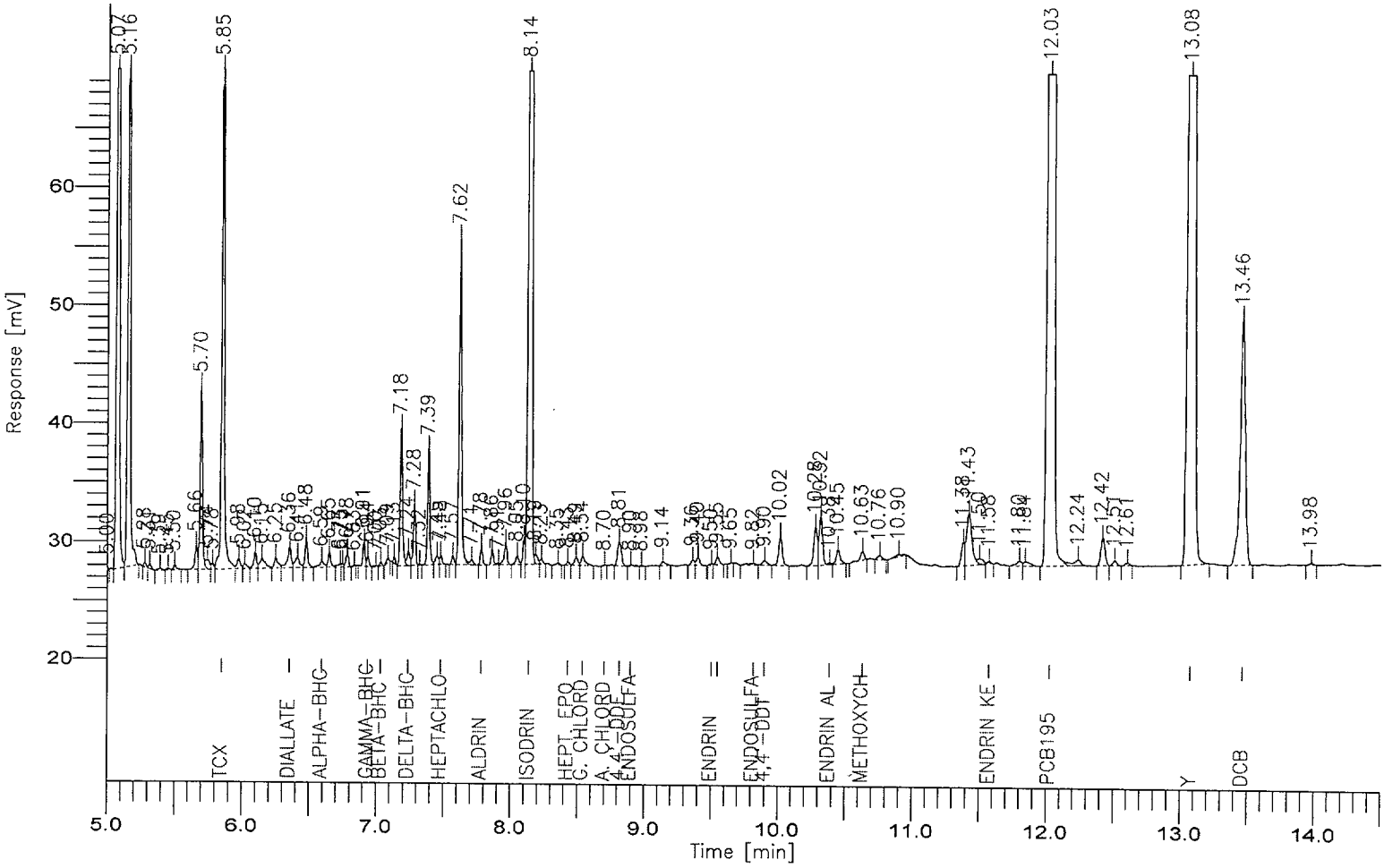
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2H3X1AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 08:29 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9019.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9019.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9019.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.852	TCX	0.1943	0.20000	19.43	61370	47345	-0.041	-0.0024	5.855	10	2e+07	97.1
6.355	Diallate	0.2641	0.00000	26.41	3535	1751	-0.348	-0.0222	6.377	10	------	--------
6.594	ALPHA-BHC	0.0015	0.00000	0.15	1337	564	0.278	0.0183	6.576	10	------	--------
6.935	GAMMA-BHC	0.0027	0.00000	0.27	1031	852	-0.167	-0.0116	6.947	10	------	--------
7.032	BETA-BHC	0.0021	0.00000	0.21	362	293	-0.238	-0.0167	7.049	10	------	--------
7.237	DELTA-BHC	0.0038	0.00000	0.38	1721	1190	-0.113	-0.0082	7.246	10	------	--------
7.480	HEPTACHLOR	0.0042	0.00000	0.42	856	771	0.159	0.0119	7.468	10	------	--------
7.781	ALDRIN	0.0044	0.00000	0.44	1788	1515	-0.021	-0.0017	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	354482	279830	-0.022	-0.0018	8.140	10	93.5	3.3e-04
8.427	HEPT. EPOXIDE	0.0012	0.00000	0.12	391	289	-0.117	-0.0099	8.437	10	------	--------
8.537	G. CHLORDANE	0.0031	0.00000	0.31	1719	783	-0.447	-0.0384	8.576	10	------	--------
8.703	A. CHLORDANE	0.0003	0.00000	0.03	89	81	-0.286	-0.0250	8.728	10	------	--------
8.813	4,4'-DDE	0.0091	0.00000	0.91	4172	2013	0.156	0.0137	8.799	10	------	--------
8.898	ENDOSULFAN I	0.0005	0.00000	0.05	344	106	-0.014	-0.0012	8.899	10	------	--------
9.191	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.502	ENDRIN	0.0009	0.00000	0.09	217	143	0.083	0.0079	9.494	10	------	--------
9.548	DDD & Chlorobe	0.2441	0.00000	24.41	1177	638	-0.085	-0.0081	9.556	10	------	--------
9.816	ENDOSULFAN II	0.0010	0.00000	0.10	801	160	0.182	0.0178	9.798	10	------	--------
9.900	4,4'-DDT	0.0042	0.00000	0.42	1096	385	-0.341	-0.0339	9.934	10	------	--------
10.384	ENDRIN ALDEHYD	0.0013	0.00000	0.13	314	146	-0.207	-0.0216	10.406	10	------	--------
10.631	METHOXYCHLOR	0.0190	0.00000	1.90	1519	721	-0.130	-0.0139	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.577	ENDRIN KETONE	0.0015	0.00000	0.15	428	190	0.035	0.0040	11.573	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	689915	316274	-0.027	-0.0032	12.030	10	------	--------
13.076	Y	2.0000	0.00000	200.00	585252	247328	-0.038	-0.0049	13.081	10	------	--------
13.464	DCB	0.1871	0.20000	18.71	55611	20795	-0.028	-0.0038	13.468	10	1e+07	93.6
		5.9505			1769527	924161						190.7

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9019.TX0

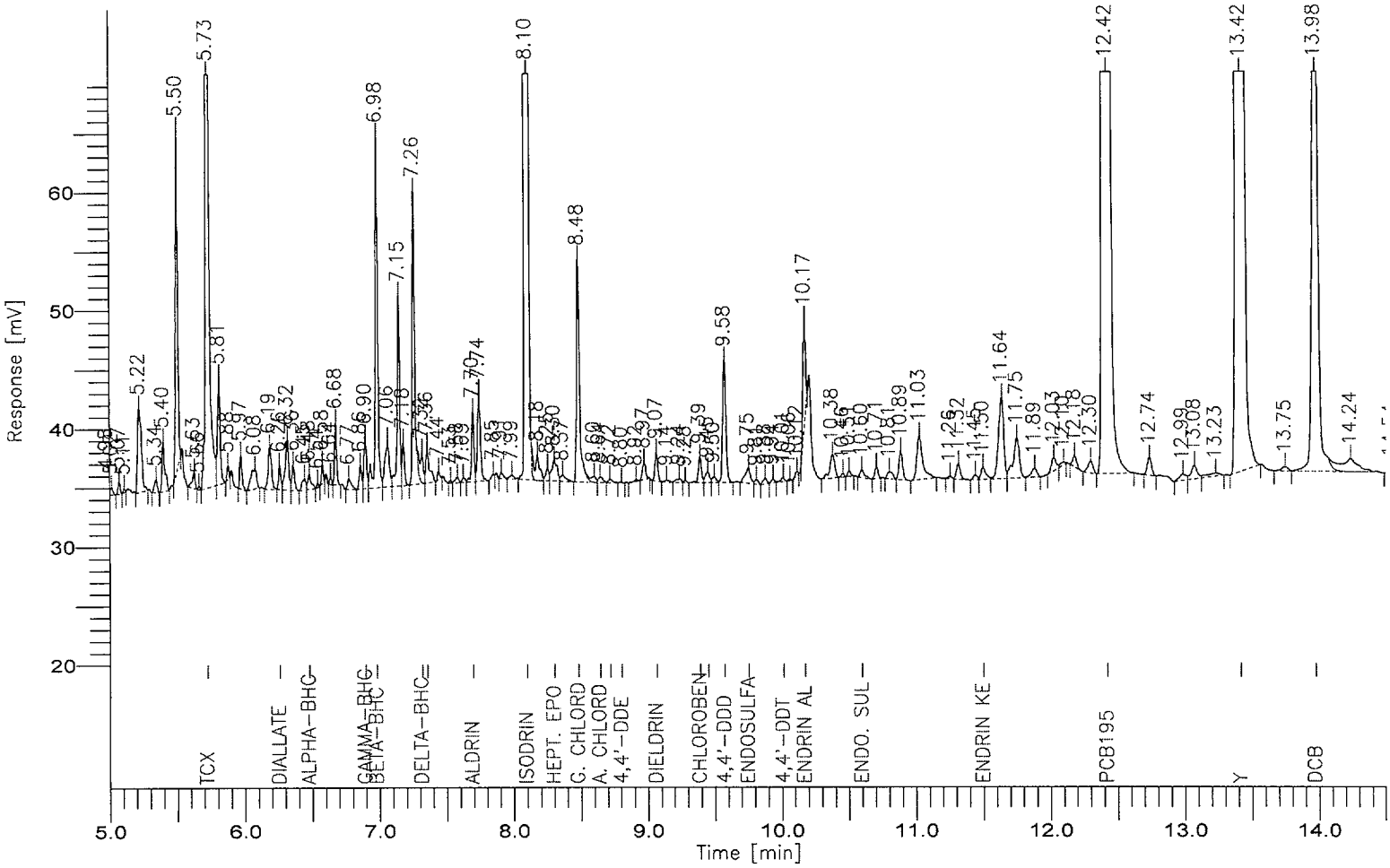
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2H3X1AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 08:29 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9019.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9019.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9019.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.726	TCX	0.1676	0.20000	16.76	154292	117144	-0.040	-0.0023	5.729	10	6e+07	83.8
6.260	Diallate	0.0693	0.00000	6.93	2335	1969	0.331	0.0206	6.240	10	------	--------
6.480	ALPHA-BHC	0.0017	0.00000	0.17	2249	1230	-0.228	-0.0148	6.495	10	------	--------
6.897	GAMMA-BHC	0.0072	0.00000	0.72	5919	4296	-0.021	-0.0014	6.898	10	------	--------
6.983	BETA-BHC	0.1044	0.00000	10.44	39750	29810	-0.142	-0.0099	6.993	10	------	--------
7.318	DELTA-BHC	0.0043	0.00000	0.43	4988	2540	0.194	0.0142	7.304	10	------	--------
7.356	HEPTACHLOR	0.0070	0.00000	0.70	5791	3140	-0.154	-0.0113	7.367	10	------	--------
7.697	ALDRIN	0.0070	0.00000	0.70	7637	5937	-0.012	-0.0009	7.698	10	------	--------
8.099	ISODRIN	1.0000	5.0954e+05	100.00	776025	627747	-0.008	-0.0006	8.100	10	123.2	2.0e-04
8.303	HEPT. EPOXIDE	0.0034	0.00000	0.34	4891	1827	0.219	0.0181	8.285	10	------	--------
8.483	G. CHLORDANE	0.0309	0.00000	3.09	30214	18968	-0.093	-0.0079	8.490	10	------	--------
8.644	A. CHLORDANE	0.0007	0.00000	0.07	1144	447	-0.128	-0.0111	8.655	10	------	--------
8.719	ENDOSULFAN I	0.0007	0.00000	0.07	735	334	-0.037	-0.0032	8.722	10	------	--------
8.804	4,4'-DDE	0.0002	0.00000	0.02	199	123	-0.428	-0.0378	8.842	10	------	--------
9.066	DIELDRIN	0.0050	0.00000	0.50	3608	2432	0.219	0.0198	9.046	10	------	--------
9.392	Chlorobenzilat	0.0650	0.00000	6.50	3611	2139	-0.041	-0.0039	9.396	10	------	--------
9.450	ENDRIN	0.0026	0.00000	0.26	2144	944	0.195	0.0184	9.432	10	------	--------
9.575	4,4'-DDD	0.0329	0.00000	3.29	17242	10324	0.059	0.0056	9.569	10	------	--------
9.754	ENDOSULFAN II	0.0034	0.00000	0.34	3602	1301	0.428	0.0416	9.712	10	------	--------
10.013	4,4'-DDT	0.0013	0.00000	0.13	734	343	0.076	0.0076	10.006	10	------	--------
10.173	ENDRIN ALDEHYD	0.0314	0.00000	3.14	12729	8869	-0.170	-0.0173	10.191	10	------	--------
10.600	ENDO. SULFATE	0.0022	0.00000	0.22	1466	634	-0.109	-0.0116	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.502	ENDRIN KETONE	0.0033	0.00000	0.33	2590	1018	-0.017	-0.0019	11.504	10	------	--------
12.423	PCB195	2.0000	0.00000	200.00	1556347	690950	-0.014	-0.0018	12.424	10	------	--------
13.418	Y	2.0000	0.00000	200.00	1338355	552270	-0.021	-0.0029	13.421	10	------	--------
13.977	DCB	0.1939	0.20000	19.39	156896	57705	-0.020	-0.0028	13.980	10	3e+07	97.0
		5.7454			4135492	2e+06						180.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9019.TX0

STL Knoxville - ACS

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

GC Semivolatiles

Lot-Sample #...: H6D030245-012
Date Sampled...: 03/30/06
Prep Date.....: 04/06/06
Prep Batch #...: 6096188
Dilution Factor: 1

Work Order #...: H2H301AC
Date Received..: 04/02/06
Analysis Date..: 04/21/06

Matrix.....: AIR

Method.....: SW846 8081A

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

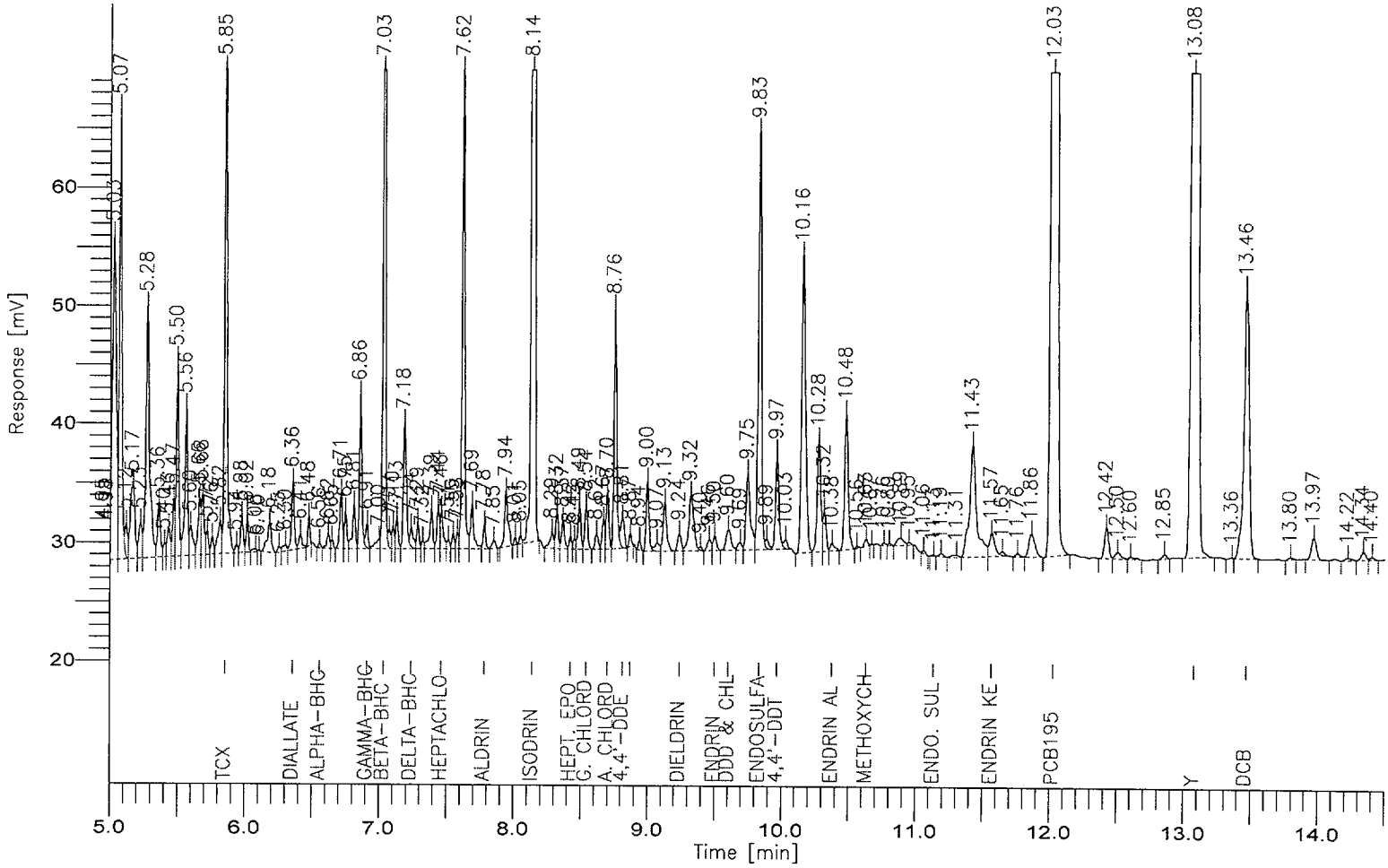
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H301AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 06:45 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9040.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9040.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9040.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1768	0.20000	17.68	60139	46424	-0.002	-0.0001	5.853	10	2e+07	88.4
6.356	Diallate	0.5447	0.00000	54.47	8044	5749	-0.309	-0.0197	6.376	10	------	--------
6.555	ALPHA-BHC	0.0010	0.00000	0.10	496	442	-0.299	-0.0197	6.574	10	------	--------
6.907	GAMMA-BHC	0.0057	0.00000	0.57	2720	2044	-0.551	-0.0383	6.946	10	------	--------
7.031	BETA-BHC	0.4515	0.00000	45.15	78514	68753	-0.242	-0.0170	7.048	10	------	--------
7.236	DELTA-BHC	0.0047	0.00000	0.47	2777	1656	-0.113	-0.0082	7.244	10	------	--------
7.460	HEPTACHLOR	0.0147	0.00000	1.47	4920	3294	-0.083	-0.0062	7.467	10	------	--------
7.780	ALDRIN	0.0055	0.00000	0.55	2671	2041	-0.024	-0.0018	7.782	10	------	--------
8.138	ISODRIN	1.0000	3.0422e+05	100.00	384824	298672	-0.004	-0.0003	8.139	10	98.2	3.3e-04
8.421	HEPT. EPOXIDE	0.0038	0.00000	0.38	1315	1017	-0.172	-0.0145	8.436	10	------	--------
8.539	G. CHLORDANE	0.0136	0.00000	1.36	5704	3741	-0.402	-0.0345	8.574	10	------	--------
8.698	A. CHLORDANE	0.0176	0.00000	1.76	6854	4767	-0.324	-0.0283	8.726	10	------	--------
8.812	4,4'-DDE	0.0105	0.00000	1.05	4908	2432	0.150	0.0132	8.798	10	------	--------
8.869	ENDOSULFAN I	0.0046	0.00000	0.46	1339	1069	-0.315	-0.0281	8.897	10	------	--------
9.236	DIELDRIN	0.0064	0.00000	0.64	2921	1461	0.504	0.0463	9.190	10	------	--------
9.501	ENDRIN	0.0077	0.00000	0.77	2230	1240	0.087	0.0083	9.492	10	------	--------
9.604	DDD & Chlorobe	0.3002	0.00000	30.02	4649	1771	0.509	0.0486	9.555	10	------	--------
9.834	ENDOSULFAN II	0.2015	0.00000	20.15	59264	35390	0.381	0.0373	9.797	10	------	--------
9.967	4,4'-DDT	0.0778	0.00000	7.78	14695	8077	0.348	0.0346	9.932	10	------	--------
10.376	ENDRIN ALDEHYD	0.0050	0.00000	0.50	1442	646	-0.267	-0.0278	10.404	10	------	--------
10.631	METHOXYCHLOR	0.0149	0.00000	1.49	1039	606	-0.125	-0.0133	10.644	10	------	--------
11.133	ENDO. SULFATE	0.0007	0.00000	0.07	119	82	0.323	0.0359	11.097	10	------	--------
11.567	ENDRIN KETONE	0.0133	0.00000	1.33	5699	1934	-0.036	-0.0042	11.571	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	738172	342854	-0.018	-0.0022	12.029	10	------	--------
13.075	Y	2.0000	0.00000	200.00	632349	267639	-0.025	-0.0032	13.078	10	------	--------
13.464	DCB	0.2097	0.20000	20.97	61544	22820	-0.013	-0.0017	13.466	10	1e+07	104.8
		7.0918			2089348	1e+06						193.2

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9040.TX0

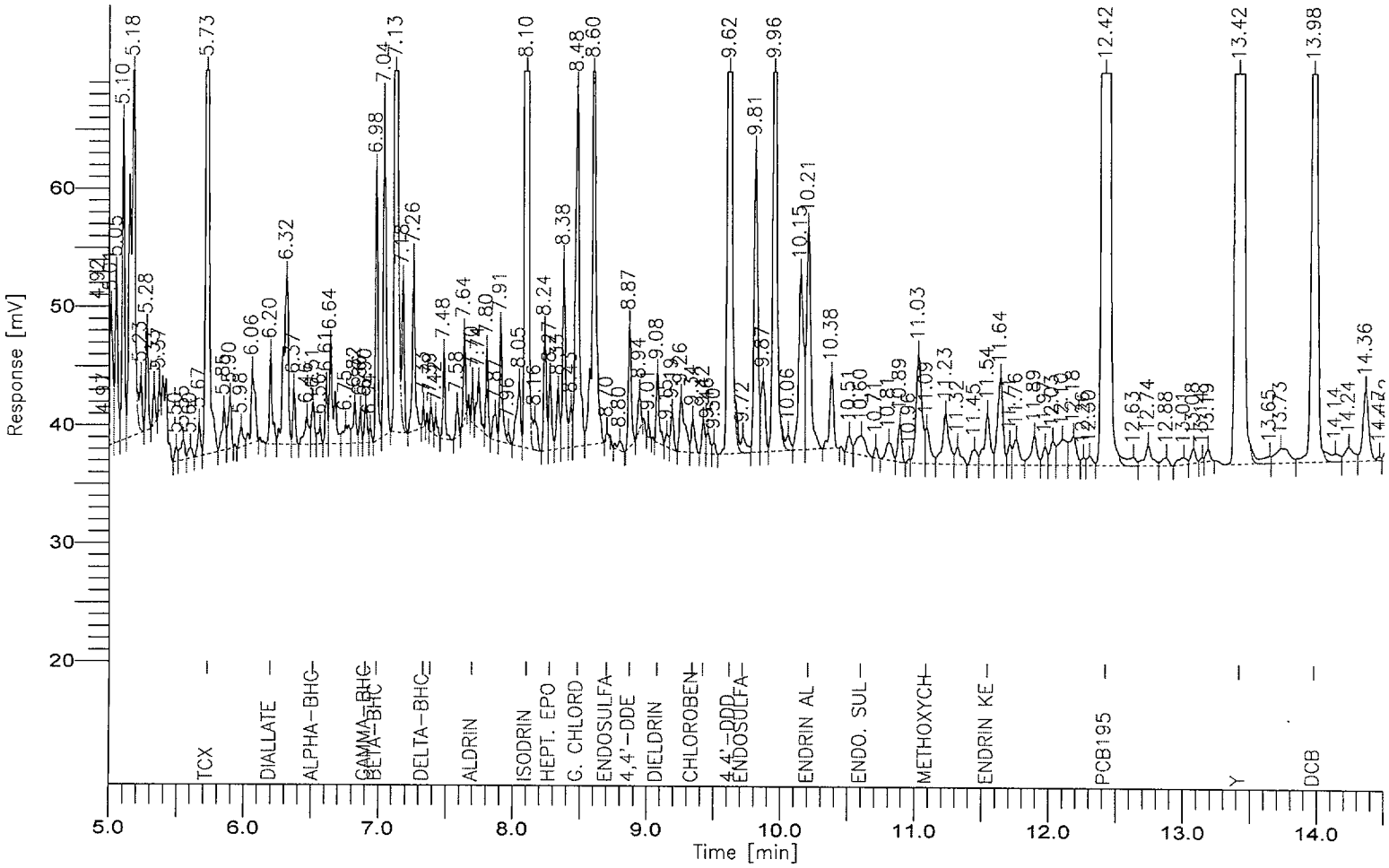
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H301AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 06:45 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9040.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9040.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9040.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.728	TCX	0.1600	0.20000	16.00	143233	112186	0.002	0.0001	5.727	10	6e+07	80.0
6.196	Diallate	0.3222	0.00000	32.22	11252	7751	-0.682	-0.0425	6.239	10	------	--------
6.512	ALPHA-BHC	0.0044	0.00000	0.44	5747	3566	0.267	0.0174	6.495	10	------	--------
6.901	GAMMA-BHC	0.0050	0.00000	0.50	4826	3366	0.053	0.0037	6.898	10	------	--------
6.983	BETA-BHC	0.0740	0.00000	7.40	27378	23187	-0.128	-0.0090	6.992	10	------	--------
7.331	DELTA-BHC	0.0027	0.00000	0.27	1530	1771	0.386	0.0282	7.303	10	------	--------
7.386	HEPTACHLOR	0.0042	0.00000	0.42	2660	2069	0.263	0.0193	7.366	10	------	--------
7.695	ALDRIN	0.0039	0.00000	0.39	3304	3524	-0.016	-0.0012	7.696	10	------	--------
8.100	ISODRIN	1.0000	5.1802e+05	100.00	806323	665216	0.008	0.0006	8.099	10	128.4	1.9e-04
8.274	HEPT. EPOXIDE	0.0108	0.00000	1.08	9694	6287	-0.116	-0.0096	8.284	10	------	--------
8.481	G. CHLORDANE	0.0467	0.00000	4.67	61672	30629	-0.107	-0.0091	8.490	10	------	--------
8.654	A. CHLORDANE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
8.700	ENDOSULFAN I	0.0013	0.00000	0.13	878	716	-0.231	-0.0202	8.721	10	------	--------
8.870	4,4'-DDE	0.0192	0.00000	1.92	15910	10440	0.324	0.0287	8.842	10	------	--------
9.078	DIELDRIN	0.0116	0.00000	1.16	9262	5887	0.356	0.0322	9.046	10	------	--------
9.342	Chlorobenzilat	0.0968	0.00000	9.68	5170	2814	-0.565	-0.0531	9.395	10	------	--------
9.421	ENDRIN	0.0075	0.00000	0.75	4512	2820	-0.104	-0.0098	9.431	10	------	--------
9.618	4,4'-DDD	0.2579	0.00000	25.79	156807	80361	0.515	0.0493	9.569	10	------	--------
9.717	ENDOSULFAN II	0.0033	0.00000	0.33	7040	1373	0.056	0.0054	9.712	10	------	--------
10.005	4,4'-DDT	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
10.206	ENDRIN ALDEHYD	0.0609	0.00000	6.09	42730	18903	0.159	0.0162	10.190	10	------	--------
10.600	ENDO. SULFATE	0.0055	0.00000	0.55	8346	1692	-0.112	-0.0119	10.612	10	------	--------
11.088	METHOXYCHLOR	0.0256	0.00000	2.56	8033	3026	-0.054	-0.0060	11.094	10	------	--------
11.542	ENDRIN KETONE	0.0133	0.00000	1.33	13693	4374	0.335	0.0386	11.503	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1630964	737474	-0.020	-0.0025	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1409691	580366	-0.015	-0.0021	13.421	10	------	--------
13.977	DCB	0.2095	0.20000	20.95	158587	59907	-0.008	-0.0011	13.978	10	3e+07	104.8
		6.3462			4549239	2e+06						184.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9040.TX0

STL Knoxville - ACS

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

GC Semivolatiles

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

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

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

NOTE(S):

J Estimated result. Result is less than RL.

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

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

Software Version: 4.1<2F12>
Sample Name : 6095224
Sample Number: H2H311AC
Operator : Analyst

Time : 4/20/2006 03:00 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

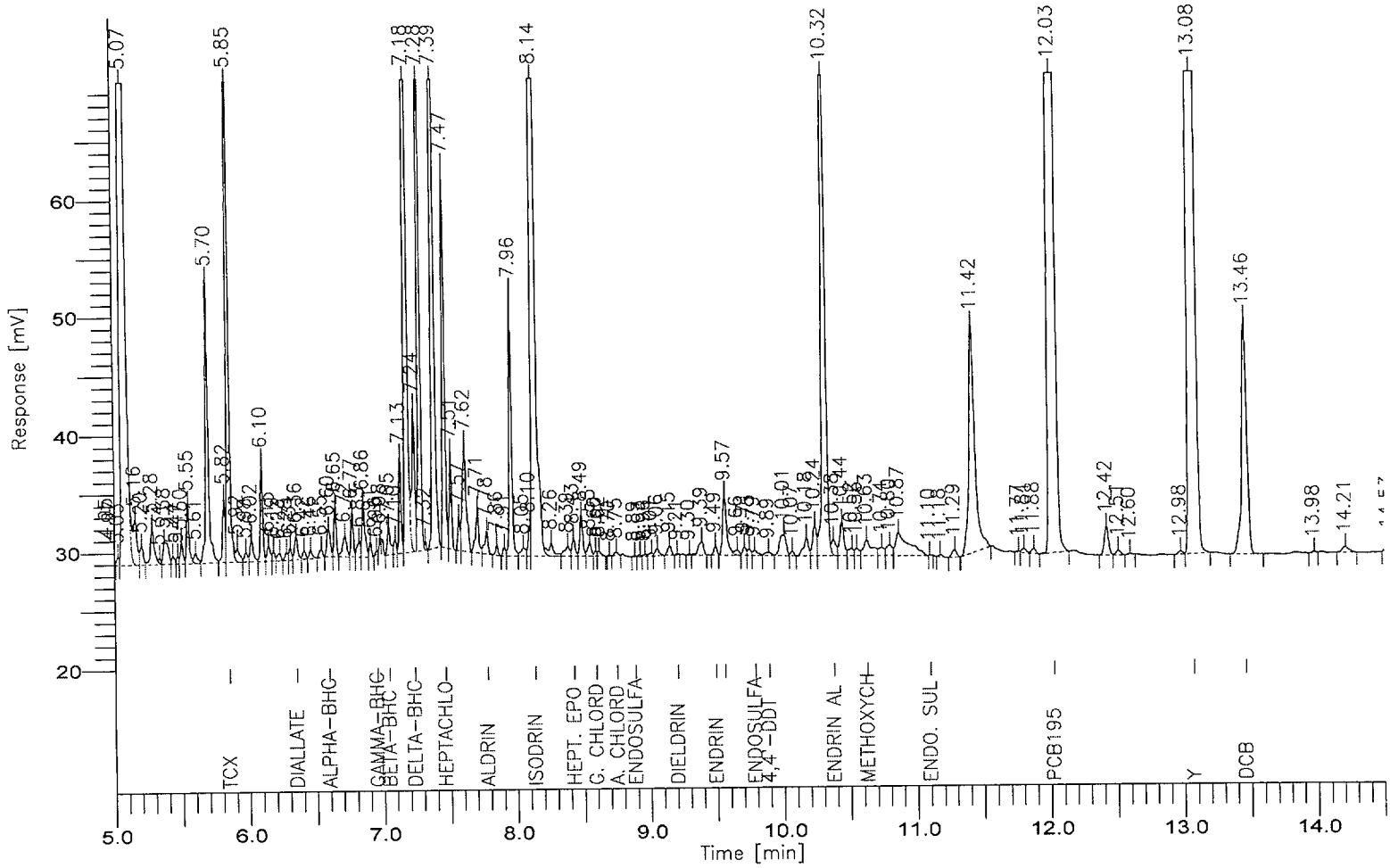
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 06:11 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9012.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9012.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9012.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 0.4360

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.4405	0.45872	19.21	66036	54075	-0.032	-0.0018	5.855	10	3e+07	96.0
6.356	Diallate	0.4825	0.00000	21.04	3396	1960	-0.337	-0.0215	6.377	10	------	--------
6.598	ALPHA-BHC	0.0120	0.00000	0.52	4504	2327	0.328	0.0216	6.576	10	------	--------
6.957	GAMMA-BHC	0.0012	0.00000	0.05	247	186	0.148	0.0103	6.947	10	------	--------
7.047	BETA-BHC	0.0351	0.00000	1.53	4014	2420	-0.021	-0.0015	7.049	10	------	--------
7.238	DELTA-BHC	0.0778	0.00000	3.39	18597	12282	-0.109	-0.0079	7.246	10	------	--------
7.466	HEPTACHLOR	0.3485	0.00000	15.20	41018	32442	-0.023	-0.0017	7.468	10	------	--------
7.780	ALDRIN	0.0114	0.00000	0.50	3604	1972	-0.033	-0.0026	7.783	10	------	--------
8.138	ISODRIN	2.2936	6.8610e+05	100.00	427550	323311	-0.020	-0.0016	8.140	10	108.1	3.3e-04
8.430	HEPT. EPOXIDE	0.0130	0.00000	0.57	2591	1582	-0.082	-0.0069	8.437	10	------	--------
8.595	G. CHLORDANE	0.0035	0.00000	0.15	597	445	0.232	0.0199	8.576	10	------	--------
8.751	A. CHLORDANE	0.0024	0.00000	0.10	566	297	0.267	0.0233	8.728	10	------	--------
8.799	4,4'-DDE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
8.888	ENDOSULFAN I	0.0012	0.00000	0.05	156	130	-0.123	-0.0109	8.899	10	------	--------
9.207	DIELDRIN	0.0009	0.00000	0.04	122	94	0.170	0.0156	9.191	10	------	--------
9.494	ENDRIN	0.0100	0.00000	0.43	1282	774	0.003	0.0003	9.494	10	------	--------
9.565	DDD & Chlorobe	0.7815	0.00000	34.07	11399	5196	0.090	0.0086	9.556	10	------	--------
9.788	ENDOSULFAN II	0.0054	0.00000	0.23	1177	443	-0.103	-0.0101	9.798	10	------	--------
9.894	4,4'-DDT	0.0063	0.00000	0.27	999	290	-0.407	-0.0404	9.934	10	------	--------
10.379	ENDRIN ALDEHYD	0.0224	0.00000	0.98	2954	1288	-0.258	-0.0269	10.406	10	------	--------
10.630	METHOXYCHLOR	0.0708	0.00000	3.08	6011	1354	-0.141	-0.0150	10.645	10	------	--------
11.100	ENDO. SULFATE	0.0012	0.00000	0.05	63	68	0.008	0.0008	11.099	10	------	--------
11.573	ENDRIN KETONE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
12.026	PCB195	4.5872	0.00000	200.00	768227	356949	-0.032	-0.0038	12.030	10	------	--------
13.075	Y	4.5872	0.00000	200.00	643832	270769	-0.044	-0.0058	13.081	10	------	--------
13.464	DCB	0.3565	0.45872	15.54	54107	19957	-0.033	-0.0044	13.468	10	1e+07	77.7
		14.1519			2063049	1e+06						173.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9012.TX0

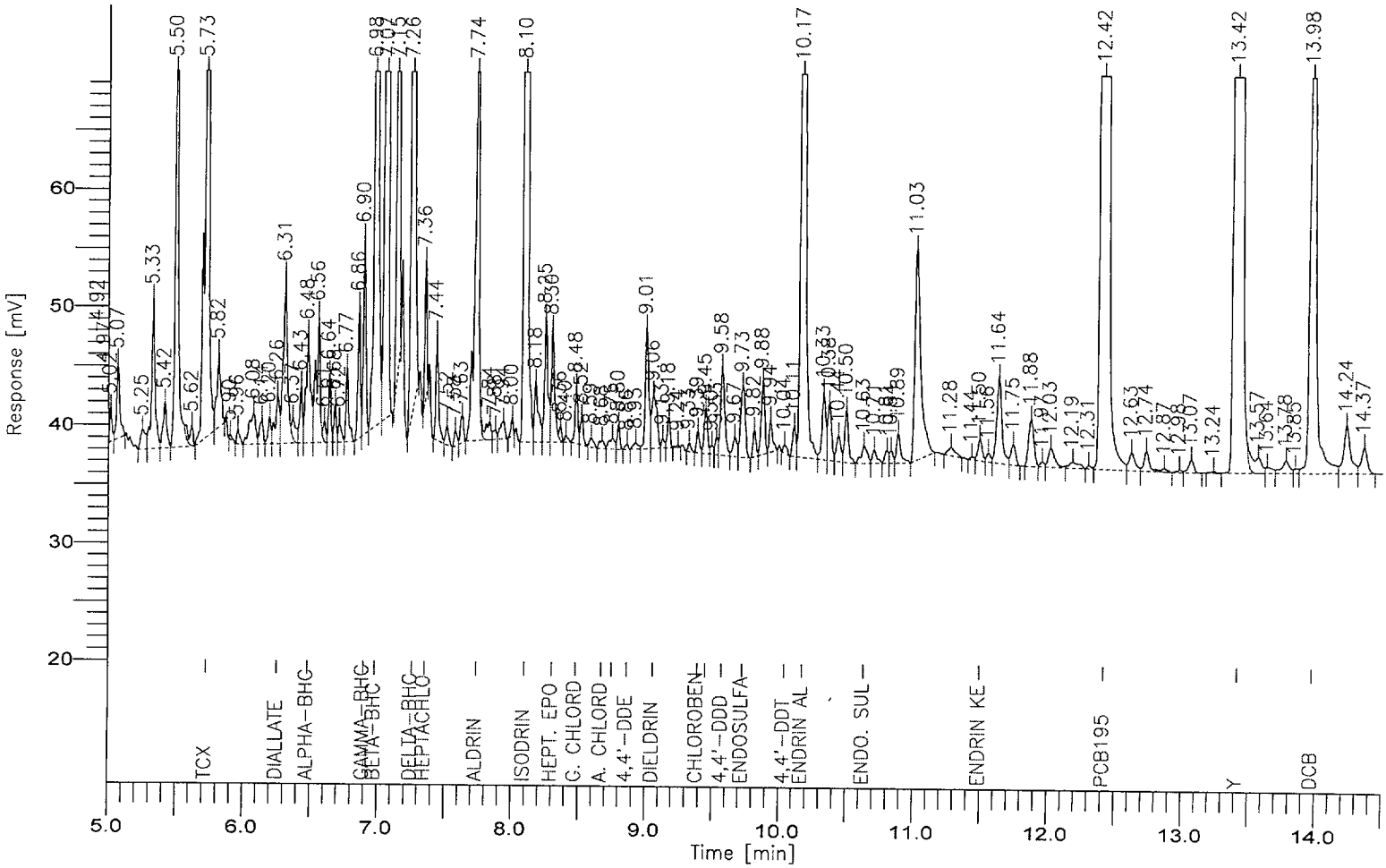
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:00 PM
Sample Number: H2H311AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 06:11 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9012.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9012.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9012.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 0.4360 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.3942	0.45872	17.19	177513	128271	-0.025	-0.0015	5.729	10	6e+07	85.9
6.256	Diallate	0.5870	0.00000	25.59	9168	4173	0.265	0.0165	6.240	10	------	--------
6.482	ALPHA-BHC	0.0267	0.00000	1.16	21475	9246	-0.203	-0.0132	6.495	10	------	--------
6.900	GAMMA-BHC	0.0603	0.00000	2.63	21853	16791	0.026	0.0018	6.898	10	------	--------
6.983	BETA-BHC	2.0154	0.00000	87.87	321499	267966	-0.139	-0.0097	6.993	10	------	--------
7.258	DELTA-BHC	0.7531	0.00000	32.83	255447	206128	-0.625	-0.0457	7.304	10	------	--------
7.356	HEPTACHLOR	0.0564	0.00000	2.46	12535	11841	-0.159	-0.0117	7.367	10	------	--------
7.740	ALDRIN	0.1271	0.00000	5.54	85343	50379	0.546	0.0421	7.698	10	------	--------
8.100	ISODRIN	2.2936	1.1687e+06	100.00	825544	670522	-0.005	-0.0004	8.100	10	131.6	2.0e-04
8.304	HEPT. EPOXIDE	0.0379	0.00000	1.65	16830	9575	0.230	0.0191	8.285	10	------	--------
8.483	G. CHLORDANE	0.0168	0.00000	0.73	6833	4800	-0.092	-0.0078	8.490	10	------	--------
8.675	A. CHLORDANE	0.0024	0.00000	0.10	1889	703	0.235	0.0203	8.655	10	------	--------
8.751	ENDOSULFAN I	0.0039	0.00000	0.17	2919	938	0.339	0.0296	8.722	10	------	--------
8.863	4,4'-DDE	0.0017	0.00000	0.07	740	422	0.235	0.0208	8.842	10	------	--------
9.059	DIELDRIN	0.0201	0.00000	0.87	12396	4523	0.142	0.0128	9.046	10	------	--------
9.392	Chlorobenzilat	0.1112	0.00000	4.85	2867	1804	-0.043	-0.0040	9.396	10	------	--------
9.451	ENDRIN	0.0223	0.00000	0.97	6697	3812	0.201	0.0189	9.432	10	------	--------
9.575	4,4'-DDD	0.0507	0.00000	2.21	16343	7411	0.061	0.0058	9.569	10	------	--------
9.729	ENDOSULFAN II	0.0335	0.00000	1.46	14904	6016	0.177	0.0172	9.712	10	------	--------
10.040	4,4'-DDT	0.0057	0.00000	0.25	1412	683	0.343	0.0344	10.006	10	------	--------
10.174	ENDRIN ALDEHYD	0.9606	0.00000	41.88	236794	126242	-0.167	-0.0170	10.191	10	------	--------
10.634	ENDO. SULFATE	0.0110	0.00000	0.48	4906	1500	0.204	0.0217	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.498	ENDRIN KETONE	0.0131	0.00000	0.57	4271	1899	-0.052	-0.0059	11.504	10	------	--------
12.422	PCB195	4.5872	0.00000	200.00	1633235	731841	-0.018	-0.0023	12.424	10	------	--------
13.418	Y	4.5872	0.00000	200.00	1392904	574478	-0.018	-0.0024	13.421	10	------	--------
13.977	DCB	0.3583	0.45872	15.62	149779	51644	-0.020	-0.0028	13.980	10	3e+07	78.1
		17.1373			5236095	3e+06						164.0

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9012.TX0

STL Knoxville - ACS

Client Sample ID: A-5375 MEDIA CHECK XAD

GC Semivolatiles

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

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

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

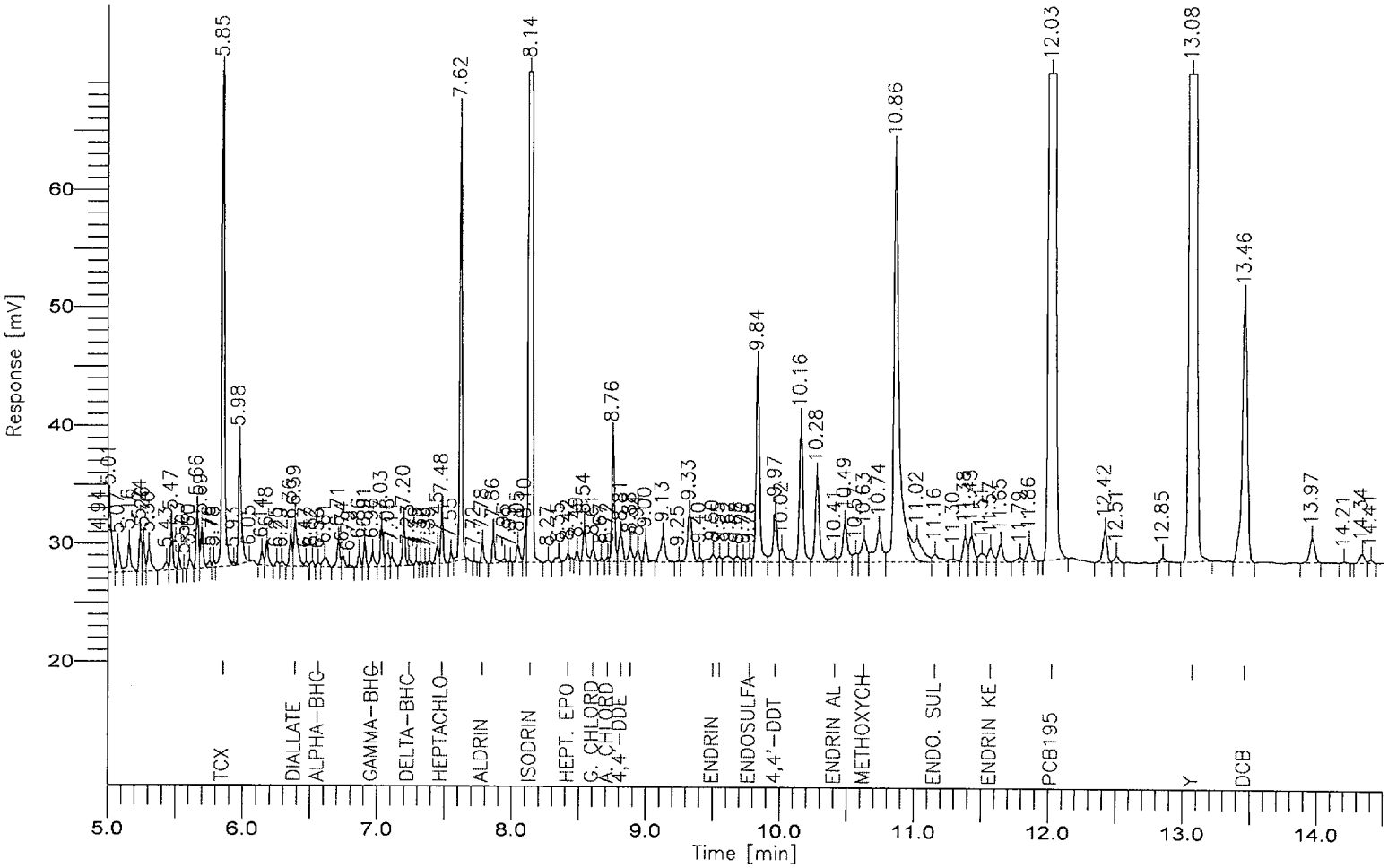
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H321AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 07:05 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9041.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9041.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9041.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1788	0.20000	17.88	60151	47632	-0.013	-0.0008	5.853	10	2e+07	89.4
6.387	Diallate	0.5297	0.00000	52.97	7809	3961	0.176	0.0112	6.376	10	------	--------
6.559	ALPHA-BHC	0.0008	0.00000	0.08	530	333	-0.239	-0.0157	6.574	10	------	--------
6.964	GAMMA-BHC	0.0032	0.00000	0.32	2133	1175	0.271	0.0188	6.946	10	------	--------
7.031	BETA-BHC	0.0225	0.00000	2.25	4915	3482	-0.233	-0.0164	7.048	10	------	--------
7.234	DELTA-BHC	0.0013	0.00000	0.13	716	471	-0.151	-0.0109	7.244	10	------	--------
7.480	HEPTACHLOR	0.0207	0.00000	2.07	5587	4722	0.175	0.0131	7.467	10	------	--------
7.781	ALDRIN	0.0045	0.00000	0.45	2177	1701	-0.005	-0.0004	7.782	10	------	--------
8.138	ISODRIN	1.0000	3.0422e+05	100.00	384135	302981	-0.008	-0.0007	8.139	10	99.6	3.3e-04
8.419	HEPT. EPOXIDE	0.0015	0.00000	0.15	568	419	-0.195	-0.0165	8.436	10	------	--------
8.605	G. CHLORDANE	0.0037	0.00000	0.37	1847	1046	0.357	0.0306	8.574	10	------	--------
8.716	A. CHLORDANE	0.0013	0.00000	0.13	499	358	-0.121	-0.0106	8.726	10	------	--------
8.813	4,4'-DDE	0.0096	0.00000	0.96	4818	2250	0.163	0.0143	8.798	10	------	--------
8.884	ENDOSULFAN I	0.0053	0.00000	0.53	2434	1247	-0.150	-0.0133	8.897	10	------	--------
9.190	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.502	ENDRIN	0.0037	0.00000	0.37	2075	605	0.097	0.0092	9.492	10	------	--------
9.550	DDD & Chlorobe	0.2696	0.00000	26.96	869	456	-0.052	-0.0050	9.555	10	------	--------
9.776	ENDOSULFAN II	0.0022	0.00000	0.22	902	394	-0.210	-0.0206	9.797	10	------	--------
9.968	4,4'-DDT	0.0413	0.00000	4.13	9481	4353	0.364	0.0362	9.932	10	------	--------
10.410	ENDRIN ALDEHYD	0.0036	0.00000	0.36	1482	471	0.060	0.0063	10.404	10	------	--------
10.630	METHOXYCHLOR	0.0472	0.00000	4.72	5869	1948	-0.139	-0.0148	10.644	10	------	--------
11.158	ENDO. SULFATE	0.0051	0.00000	0.51	2713	637	0.545	0.0605	11.097	10	------	--------
11.570	ENDRIN KETONE	0.0080	0.00000	0.80	3139	1179	-0.008	-0.0009	11.571	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	761292	354013	-0.016	-0.0019	12.029	10	------	--------
13.075	Y	2.0000	0.00000	200.00	654151	277808	-0.023	-0.0030	13.078	10	------	--------
13.464	DCB	0.2020	0.20000	20.20	58531	22303	-0.012	-0.0016	13.466	10	1e+07	101.0
		6.3658			1978821	1e+06						190.4

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9041.TX0

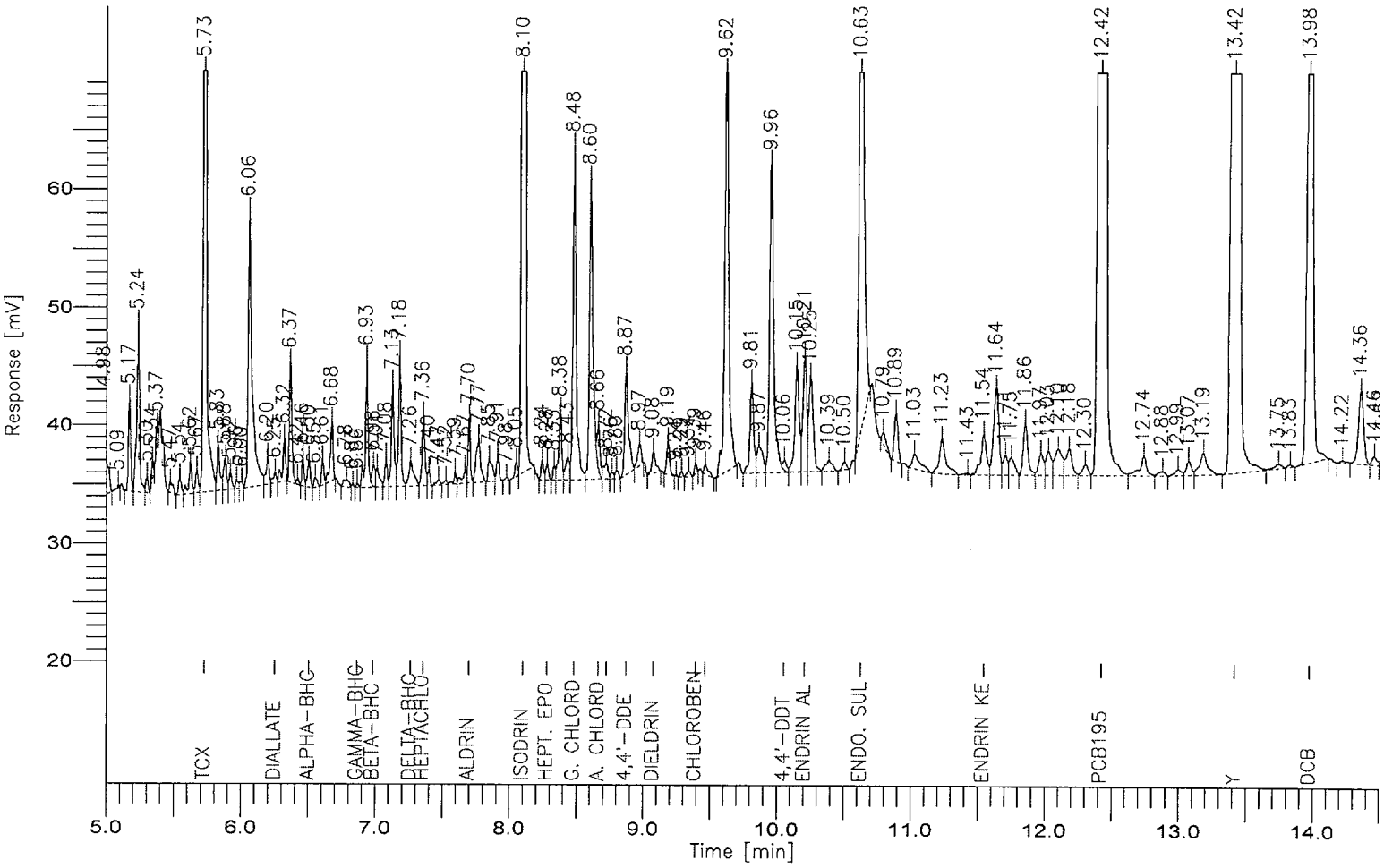
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2H321AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 07:05 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9041.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9041.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9041.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1585	0.20000	15.85	140550	109556	-0.010	-0.0006	5.727	10	5e+07	79.2
6.252	Diallate	0.0438	0.00000	4.38	1527	906	0.209	0.0131	6.239	10	------	--------
6.504	ALPHA-BHC	0.0029	0.00000	0.29	3227	2309	0.142	0.0092	6.495	10	------	--------
6.864	GAMMA-BHC	0.0005	0.00000	0.05	410	356	-0.496	-0.0342	6.898	10	------	--------
6.984	BETA-BHC	0.0058	0.00000	0.58	2932	1798	-0.118	-0.0083	6.992	10	------	--------
7.261	DELTA-BHC	0.0033	0.00000	0.33	5384	2135	-0.582	-0.0425	7.303	10	------	--------
7.355	HEPTACHLOR	0.0122	0.00000	1.22	8759	5930	-0.150	-0.0110	7.366	10	------	--------
7.696	ALDRIN	0.0062	0.00000	0.62	6422	5500	-0.003	-0.0003	7.696	10	------	--------
8.099	ISODRIN	1.0000	5.1802e+05	100.00	804363	655959	0.000	0.0000	8.099	10	126.6	1.9e-04
8.278	HEPT. EPOXIDE	0.0024	0.00000	0.24	1987	1391	-0.064	-0.0053	8.284	10	------	--------
8.481	G. CHLORDANE	0.0437	0.00000	4.37	47718	28289	-0.103	-0.0087	8.490	10	------	--------
8.663	A. CHLORDANE	0.0057	0.00000	0.57	6247	3734	0.111	0.0096	8.654	10	------	--------
8.724	ENDOSULFAN I	0.0025	0.00000	0.25	3411	1350	0.035	0.0031	8.721	10	------	--------
8.870	4,4'-DDE	0.0166	0.00000	1.66	17495	8904	0.324	0.0287	8.842	10	------	--------
9.076	DIELDRIN	0.0036	0.00000	0.36	3764	1793	0.331	0.0299	9.046	10	------	--------
9.392	Chlorobenzilat	0.0196	0.00000	1.96	1046	921	-0.035	-0.0032	9.395	10	------	--------
9.464	ENDRIN	0.0022	0.00000	0.22	1843	804	0.356	0.0335	9.431	10	------	--------
9.569	4,4'-DDD	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.712	ENDOSULFAN II	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
10.055	4,4'-DDT	0.0033	0.00000	0.33	1964	848	0.490	0.0491	10.005	10	------	--------
10.208	ENDRIN ALDEHYD	0.0324	0.00000	3.24	20159	9914	0.177	0.0180	10.190	10	------	--------
10.625	ENDO. SULFATE	0.1919	0.00000	19.19	128440	58449	0.121	0.0129	10.612	10	------	--------
11.094	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.544	ENDRIN KETONE	0.0106	0.00000	1.06	10433	3426	0.353	0.0406	11.503	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1680652	751981	-0.017	-0.0021	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1464205	619896	-0.015	-0.0020	13.421	10	------	--------
13.977	DCB	0.2030	0.20000	20.30	150315	57549	-0.006	-0.0009	13.978	10	3e+07	101.5
		5.7706			4513252	2e+06						180.7

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9041.TX0

STL Knoxville - ACS

Client Sample ID: A-5377 MEDIA CHECK FILTER

GC Semivolatiles

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

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

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

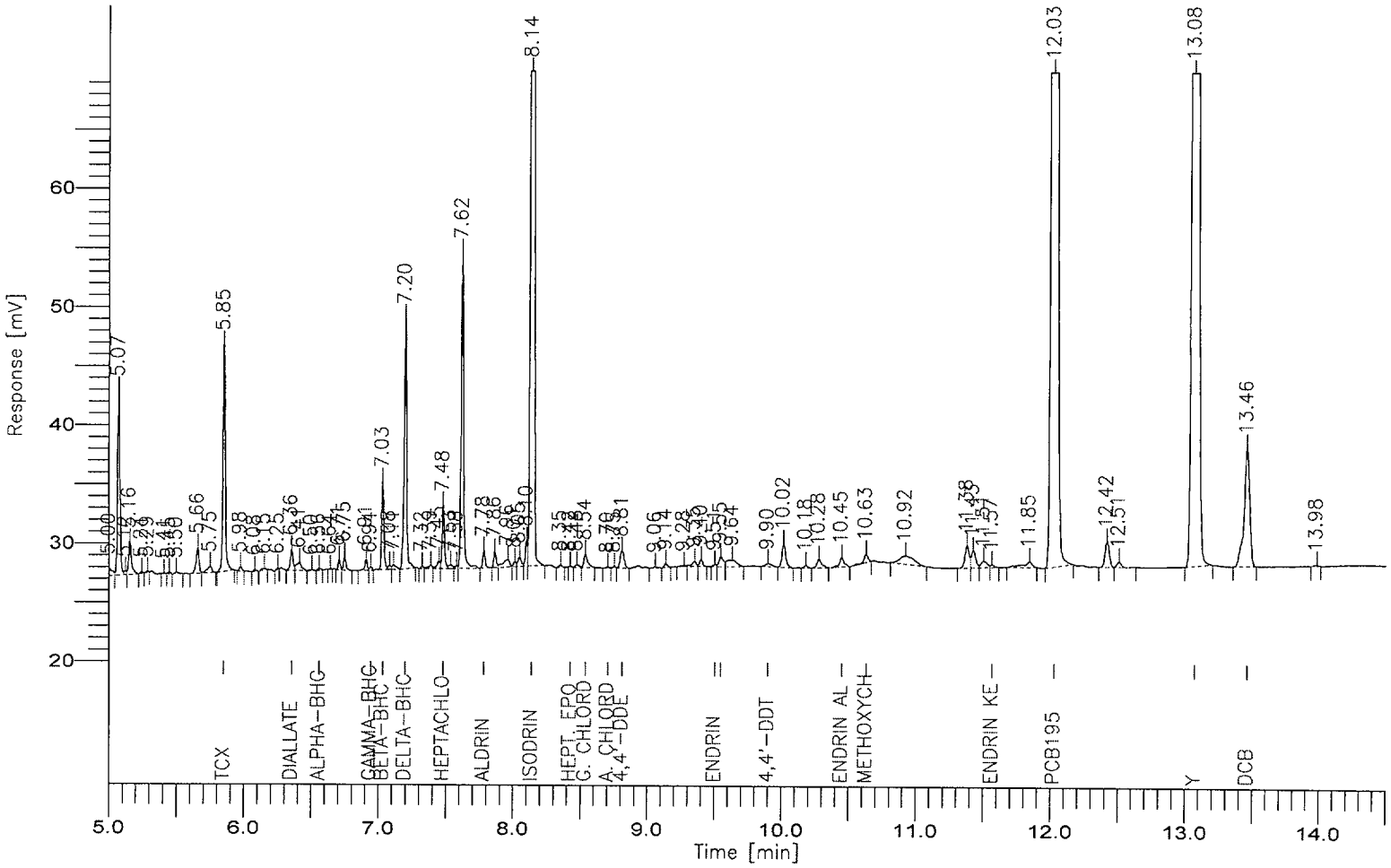
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2H331AC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 08:49 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9020.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9020.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9020.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.852	TCX	0.0815	0.20000	8.15	23846	19294	-0.042	-0.0024	5.855	10	1e+07	40.7
6.355	Diallate	0.1930	0.00000	19.30	2517	1759	-0.348	-0.0222	6.377	10	------	--------
6.560	ALPHA-BHC	0.0004	0.00000	0.04	246	153	-0.249	-0.0164	6.576	10	------	--------
6.941	GAMMA-BHC	0.0009	0.00000	0.09	365	273	-0.077	-0.0054	6.947	10	------	--------
7.030	BETA-BHC	0.0559	0.00000	5.59	8758	7431	-0.267	-0.0188	7.049	10	------	--------
7.197	DELTA-BHC	0.0700	0.00000	7.00	27476	21319	-0.666	-0.0483	7.246	10	------	--------
7.480	HEPTACHLOR	0.0297	0.00000	2.97	6489	5333	0.158	0.0118	7.468	10	------	--------
7.782	ALDRIN	0.0044	0.00000	0.44	1921	1471	-0.020	-0.0015	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	345508	272009	-0.022	-0.0018	8.140	10	90.9	3.3e-04
8.424	HEPT. EPOXIDE	0.0006	0.00000	0.06	153	134	-0.156	-0.0131	8.437	10	------	--------
8.538	G. CHLORDANE	0.0046	0.00000	0.46	2130	1117	-0.442	-0.0379	8.576	10	------	--------
8.704	A. CHLORDANE	0.0004	0.00000	0.04	192	92	-0.278	-0.0242	8.728	10	------	--------
8.811	4,4'-DDE	0.0069	0.00000	0.69	3109	1477	0.130	0.0114	8.799	10	------	--------
8.899	ENDOSULFAN I	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.191	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.506	ENDRIN	0.0012	0.00000	0.12	313	185	0.121	0.0114	9.494	10	------	--------
9.549	DDD & Chlorobe	0.2497	0.00000	24.97	1938	834	-0.072	-0.0069	9.556	10	------	--------
9.798	ENDOSULFAN II	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.900	4,4'-DDT	0.0030	0.00000	0.30	928	269	-0.338	-0.0336	9.934	10	------	--------
10.450	ENDRIN ALDEHYD	0.0070	0.00000	0.70	2022	778	0.417	0.0434	10.406	10	------	--------
10.632	METHOXYCHLOR	0.0192	0.00000	1.92	1604	708	-0.117	-0.0125	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.566	ENDRIN KETONE	0.0018	0.00000	0.18	469	223	-0.055	-0.0064	11.573	10	------	--------
12.028	PCB195	2.0000	0.00000	200.00	644507	292661	-0.023	-0.0027	12.030	10	------	--------
13.075	Y	2.0000	0.00000	200.00	542435	224939	-0.043	-0.0057	13.081	10	------	--------
13.464	DCB	0.0931	0.20000	9.31	28850	10054	-0.031	-0.0042	13.468	10	5e+06	46.5
		5.8231			1645776	862514						87.3

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9020.TX0

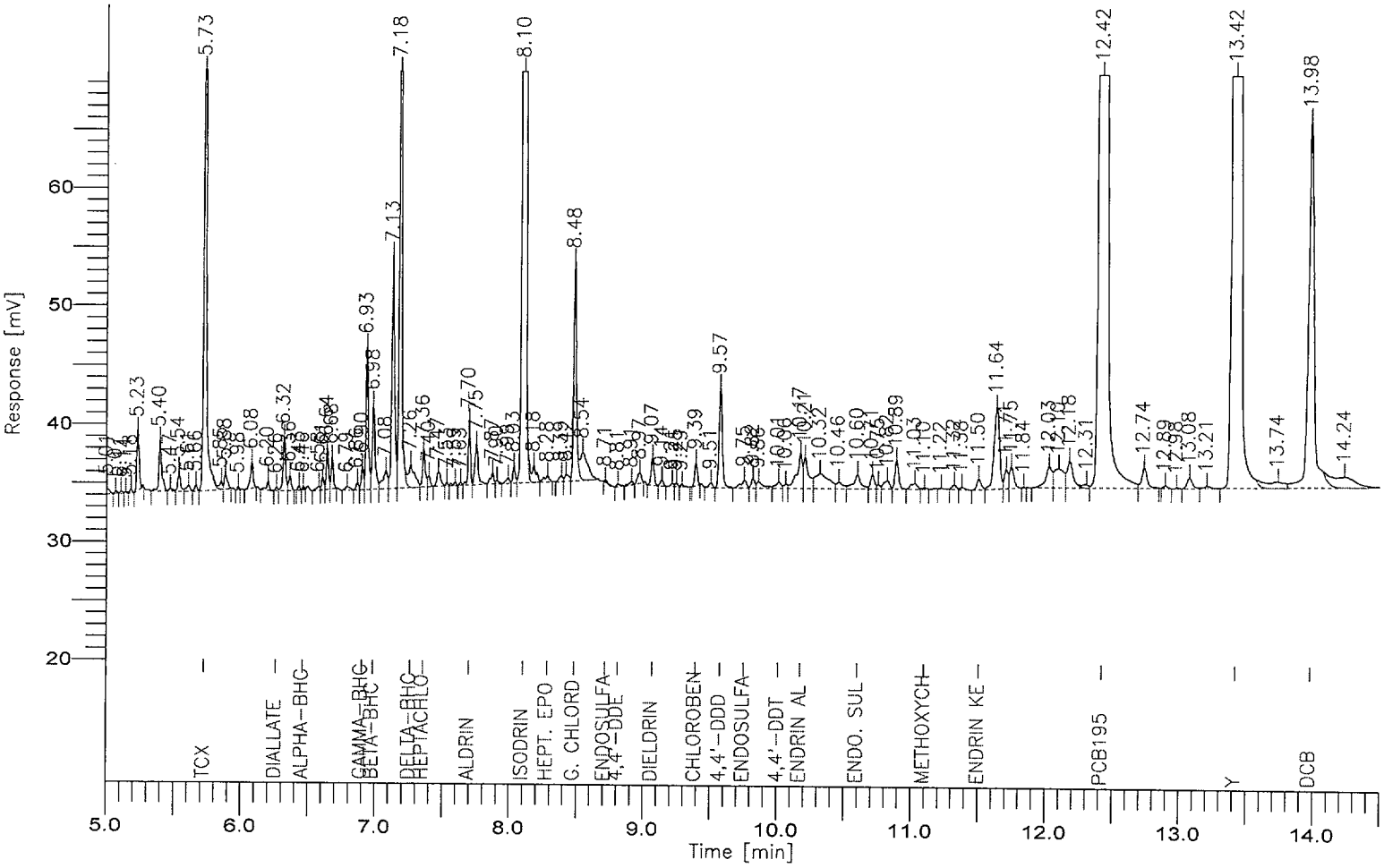
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2H331AC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 08:49 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9020.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9020.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9020.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.0744	0.20000	7.44	68418	51082	-0.037	-0.0021	5.729	10	3e+07	37.2
6.260	Diallate	0.0098	0.00000	0.98	323	283	0.329	0.0205	6.240	10	------	--------
6.462	ALPHA-BHC	0.0003	0.00000	0.03	223	250	-0.517	-0.0336	6.495	10	------	--------
6.900	GAMMA-BHC	0.0033	0.00000	0.33	2402	1939	0.026	0.0018	6.898	10	------	--------
6.982	BETA-BHC	0.0259	0.00000	2.59	10791	7267	-0.151	-0.0106	6.993	10	------	--------
7.259	DELTA-BHC	0.0034	0.00000	0.34	6717	1943	-0.607	-0.0444	7.304	10	------	--------
7.356	HEPTACHLOR	0.0072	0.00000	0.72	4596	3203	-0.157	-0.0116	7.367	10	------	--------
7.696	ALDRIN	0.0064	0.00000	0.64	6285	5347	-0.019	-0.0014	7.698	10	------	--------
8.099	ISODRIN	1.0000	5.0954e+05	100.00	760819	616927	-0.011	-0.0009	8.100	10	121.1	2.0e-04
8.280	HEPT. EPOXIDE	0.0010	0.00000	0.10	1434	518	-0.057	-0.0047	8.285	10	------	--------
8.483	G. CHLORDANE	0.0308	0.00000	3.08	27991	18601	-0.093	-0.0079	8.490	10	------	--------
8.655	A. CHLORDANE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
8.713	ENDOSULFAN I	0.0004	0.00000	0.04	120	177	-0.097	-0.0085	8.722	10	------	--------
8.808	4,4'-DDE	0.0004	0.00000	0.04	483	231	-0.393	-0.0347	8.842	10	------	--------
9.067	DIELDRIN	0.0049	0.00000	0.49	3620	2324	0.222	0.0201	9.046	10	------	--------
9.391	Chlorobenzilat	0.0518	0.00000	5.18	2824	1938	-0.053	-0.0050	9.396	10	------	--------
9.432	ENDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.574	4,4'-DDD	0.0276	0.00000	2.76	14527	8498	0.057	0.0054	9.569	10	------	--------
9.752	ENDOSULFAN II	0.0017	0.00000	0.17	1978	646	0.415	0.0403	9.712	10	------	--------
10.009	4,4'-DDT	0.0022	0.00000	0.22	1510	559	0.033	0.0033	10.006	10	------	--------
10.173	ENDRIN ALDEHYD	0.0107	0.00000	1.07	8489	2975	-0.169	-0.0172	10.191	10	------	--------
10.598	ENDO. SULFATE	0.0043	0.00000	0.43	4704	1227	-0.127	-0.0135	10.612	10	------	--------
11.097	METHOXYCHLOR	-0.0379	0.00000	-3.79	371	151	0.033	0.0036	11.093	10	------	--------
11.504	ENDRIN KETONE	0.0030	0.00000	0.30	2072	912	-0.005	-0.0006	11.504	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1480365	645211	-0.017	-0.0021	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1262058	506099	-0.016	-0.0022	13.421	10	------	--------
13.976	DCB	0.0885	0.20000	8.85	94343	30999	-0.023	-0.0032	13.980	10	2e+07	44.2
		5.3201			3767461	2e+06						81.4

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9020.TX0

Standards Data

STL Knoxville GC Pesticides Initial Calibration Data Review / Narrative Checklist
Method 8081A, SOP KNOX -GC-0014, Rev. 5
Page 1 of 1

Analysis Date:	4/19/06	**Instrument/File ID:**	D1956W
2nd Source Verification Filename:	SHA9008		

Review Items **A. Initial Calibration**	**Yes**	**No**	**N/A**	**2nd Level**	**If No, why is data reportable?**
1. Was the **breakdown** mix run and were DDT and endrin breakdowns **≤15%?**	✓			✓	
2. Were at least 5 levels analyzed? (6 levels required for 8081A quadratic fit)	✓			✓	
3. Were **all ICAL standards used** for calibration?		✓		✓	6th level dropped; still five points
4. Is low level standard concentration ≤ RL?	✓			✓	
5. Are all %RSDs < 20% or coefficient of determination [r^2] ≥ 0.990?	✓			✓	
6. Was each run checked for saturation?	✓			✓	
7. Is integration acceptable and are all manual integrations clearly identified, initialed, dated and reason given?	✓			✓	Reasons: 1) Corrected split peak; 2) Unresolved peak; 3) Tailing; 4) RT shift; 5) Wrong peak selected; 6) Other
8. Was ICAL method file processed using the correct result files? (Compare peak heights-areas in method file to heights-areas of calibration standards.)	✓			✓	
9. Is the 2nd source standard within +/- 35 % of the expected value? (+/- 20% for DOD QSM)	✓			✓	

Analyst: [signature] **Date:** 4/20/06
Comments:

2nd Level Reviewer : [signature] **Date:** 4/21/06
Comments:

Turbochrom Method File : K:\#GST\#MTHCALB\D19S6W.MTH
Created by : msp on : 4/20/2006 07:43 AM
Edited by : analyst on : 4/20/2006 09:54 AM
Description :

Number of Times Edited : 7
Number of Times Calibrated : 522

Global Information :

Default Sample Volume : 1.000 ul
Quantitation Units : ppb
Void Time : 0.000 min
Correct amounts during calibration : NO
Reject outliers during calibration : NO
An Internal Standard calibration will be used
Unknown peaks will use the response factor of the nearest component

Component Information :

TCX

Component Type : Single Peak Component
Retention Time : 5.855 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 10.000000
Value 2: 0.000000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	7709.00	6049.39	0.0210	0.0250	1
2	5.0000	14776.97	12316.74	0.0426	0.0500	1
3	10.0000	30986.23	25265.46	0.0845	0.1000	1
4	20.0000	65802.60	50338.75	0.1721	0.2000	1
5	40.0000	129123.80	102613.76	0.3575	0.4000	1
6	80.0000	277902.20	229178.85	0.7496	0.8000	1

Average Calibration Factor = 0.870800 (%RSD = 4.34)

Diallate

Component Type : Single Peak Component
Retention Time : 6.377 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Area ratio / Amount ratio)
User Values:
Label :
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	25.0000	3605.50	2808.85	0.0098	0.2500	1
2	50.0000	6790.20	5256.95	0.0186	0.5000	1
3	100.0000	14272.37	11014.67	0.0374	1.0000	1
4	150.0000	21397.60	16425.08	0.0583	1.5000	1
5	300.0000	40750.64	31035.50	0.1133	3.0000	1
6	600.0000	84459.30	66837.27	0.2176	6.0000	1

Average Calibration Factor = 0.037757 (%RSD = 2.79)

ALPHA-BHC

Component Type : Single Peak Component
Retention Time : 6.576 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	20928.00	18503.49	0.0641	0.0500	1
2	10.0000	41795.50	36560.29	0.1263	0.1000	1
3	20.0000	91325.80	80330.68	0.2685	0.2000	1
4	50.0000	241357.20	207356.60	0.7090	0.5000	1
5	100.0000	480957.20	418640.85	1.4583	1.0000	1
6	200.0000	1047538.70	918362.39	3.0036	2.0000	1

Average Calibration Factor = 1.377582 (%RSD = 7.05)

GAMMA-BHC

Component Type : Single Peak Component
Retention Time : 6.947 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	17703.25	15895.56	0.0551	0.0500	1
2	10.0000	31646.21	28730.27	0.0993	0.1000	1
3	20.0000	71100.00	64263.70	0.2148	0.2000	1
4	50.0000	186228.21	165377.48	0.5654	0.5000	1
5	100.0000	377147.75	335220.82	1.1677	1.0000	1
6	200.0000	850103.43	763171.19	2.4961	2.0000	1

Average Calibration Factor = 1.119060 (%RSD = 7.74)

BETA-BHC

Component Type : Single Peak Component
Retention Time : 7.049 min Search Window: 3.00 s, 0.00 %

Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	8147.80	6967.56	0.0241	0.0500	1
2	10.0000	15399.60	13532.75	0.0468	0.1000	1
3	20.0000	33828.60	28520.18	0.0953	0.2000	1
4	50.0000	84574.60	71856.14	0.2457	0.5000	1
5	100.0000	165065.80	141400.06	0.4926	1.0000	1
6	200.0000	362639.36	318849.48	1.0428	2.0000	1

Average Calibration Factor = 0.488698 (%RSD = 3.80)

DELTA-BHC
Component Type : Single Peak Component
Retention Time : 7.246 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	16279.60	14640.37	0.0507	0.0500	1
2	10.0000	32074.70	29172.56	0.1008	0.1000	1
3	20.0000	72702.56	64537.25	0.2157	0.2000	1
4	50.0000	192279.30	171429.67	0.5861	0.5000	1
5	100.0000	384098.84	336248.01	1.1713	1.0000	1
6	200.0000	872819.41	777633.59	2.5434	2.0000	1

Average Calibration Factor = 1.119313 (%RSD = 9.27)

HEPTACHLOR
Component Type : Single Peak Component
Retention Time : 7.468 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	11833.10	9989.84	0.0346	0.0500	1
2	10.0000	19545.71	16460.09	0.0569	0.1000	1
3	20.0000	44256.00	37124.17	0.1241	0.2000	1
4	50.0000	108922.90	91906.74	0.3142	0.5000	1
5	100.0000	230015.20	195973.90	0.6827	1.0000	1
6	200.0000	557823.90	470583.86	1.5391	2.0000	1

Average Calibration Factor = 0.660304 (%RSD = 10.59)

ALDRIN

Component Type : Single Peak Component
Retention Time : 7.783 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	20557.40	17791.37	0.0616	0.0500	1
2	10.0000	39492.60	33731.26	0.1165	0.1000	1
3	20.0000	83192.60	72218.56	0.2414	0.2000	1
4	50.0000	216452.10	183298.33	0.6267	0.5000	1
5	100.0000	422861.40	361552.42	1.2595	1.0000	1
6	200.0000	902176.00	764294.71	2.4997	2.0000	1

Average Calibration Factor = 1.227919 (%RSD = 2.94)

ISODRIN

Component Type : Single Peak Component
Retention Time : 8.140 min Search Window: 3.00 s, 0.05 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 299141.570000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	369228.21	288735.03	1.0000	1.0000	1
2	100.0000	364888.29	289459.42	1.0000	1.0000	1
3	100.0000	381723.64	299141.57	1.0000	1.0000	1
4	100.0000	367154.23	292479.33	1.0000	1.0000	1
5	100.0000	359777.94	287071.05	1.0000	1.0000	1
6	100.0000	388129.13	305750.11	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

HEPT. EPOXIDE

Component Type : Single Peak Component
Retention Time : 8.437 min Search Window: 3.00 s, 0.00 %
Reference Component:

Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	16342.00	11876.19	0.0411	0.0500	1
2	10.0000	31609.70	23334.73	0.0806	0.1000	1
3	20.0000	67523.38	50528.12	0.1689	0.2000	1
4	50.0000	173210.67	129781.68	0.4437	0.5000	1
5	100.0000	340211.55	257976.50	0.8987	1.0000	1
6	200.0000	747958.95	562088.03	1.8384	2.0000	1

Average Calibration Factor = 0.863107 (%RSD = 5.24)

G. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.576 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	16961.70	12126.43	0.0420	0.0500	1
2	10.0000	33102.00	23951.64	0.0827	0.1000	1
3	20.0000	72305.08	52526.43	0.1756	0.2000	1
4	50.0000	187826.58	138728.11	0.4743	0.5000	1
5	100.0000	369417.95	267354.44	0.9313	1.0000	1
6	200.0000	808241.95	586372.87	1.9178	2.0000	1

Average Calibration Factor = 0.897374 (%RSD = 6.33)

A. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.728 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates

1	5.0000	17512.28	12477.42	0.0432	0.0500	1
2	10.0000	34506.56	24573.04	0.0849	0.1000	1
3	20.0000	73061.20	52731.07	0.1763	0.2000	1
4	50.0000	188741.70	135237.52	0.4624	0.5000	1
5	100.0000	369491.90	262637.98	0.9149	1.0000	1
6	200.0000	802720.60	568994.41	1.8610	2.0000	1

Average Calibration Factor = 0.894121 (%RSD = 3.81)

4,4'-DDE

Component Type : Single Peak Component
Retention Time : 8.799 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	15421.72	10229.30	0.0354	0.0500	1
2	10.0000	31408.20	19874.50	0.0687	0.1000	1
3	20.0000	67877.28	45928.03	0.1535	0.2000	1
4	50.0000	177274.60	121495.94	0.4154	0.5000	1
5	100.0000	351372.20	242420.82	0.8445	1.0000	1
6	200.0000	780534.40	542360.40	1.7739	2.0000	1

Average Calibration Factor = 0.787505 (%RSD = 10.13)

ENDOSULFAN I

Component Type : Single Peak Component
Retention Time : 8.899 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	15168.80	10388.68	0.0360	0.0500	1
2	10.0000	30354.24	20415.66	0.0705	0.1000	1
3	20.0000	64898.72	44458.60	0.1486	0.2000	1
4	50.0000	166019.90	115557.36	0.3951	0.5000	1
5	100.0000	328241.60	227906.42	0.7939	1.0000	1
6	200.0000	718937.90	489257.89	1.6002	2.0000	1

Average Calibration Factor = 0.758699 (%RSD = 5.46)

DIELDRIN

Component Type : Single Peak Component
Retention Time : 9.191 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN

Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	15179.80	9924.53	0.0344	0.0500	1
2	10.0000	30539.00	20334.60	0.0703	0.1000	1
3	20.0000	66527.00	43987.86	0.1470	0.2000	1
4	50.0000	175416.18	116319.56	0.3977	0.5000	1
5	100.0000	347283.35	230548.94	0.8031	1.0000	1
6	200.0000	760423.69	501099.69	1.6389	2.0000	1

Average Calibration Factor = 0.757193 (%RSD = 7.42)

ENDRIN
Component Type : Single Peak Component
Retention Time : 9.494 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	12210.18	7676.55	0.0266	0.0500	1
2	10.0000	22644.37	14223.46	0.0491	0.1000	1
3	20.0000	50829.72	31973.90	0.1069	0.2000	1
4	50.0000	129876.87	81475.37	0.2786	0.5000	1
5	100.0000	258131.70	164391.80	0.5727	1.0000	1
6	200.0000	603935.32	380889.67	1.2458	2.0000	1

Average Calibration Factor = 0.551702 (%RSD = 8.05)

DDD & Chlorobenzilate
Component Type : Single Peak Component
Retention Time : 9.556 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Calibrating Height ratio versus Amount ratio using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 120.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	30.0000	20308.22	8186.58	0.0284	0.3000	1
2	60.0000	36018.03	14413.32	0.0498	0.6000	1
3	120.0000	79129.64	33182.29	0.1109	1.2000	1
4	200.0000	163671.98	77236.96	0.2641	2.0000	1
5	400.0000	320419.56	155161.62	0.5405	4.0000	1

Calibration Curve : y = (-0.032581) + (0.142784)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.993111

ENDOSULFAN II
Component Type : Single Peak Component
Retention Time : 9.798 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	13986.00	8109.11	0.0281	0.0500	1
2	10.0000	26927.00	15902.14	0.0549	0.1000	1
3	20.0000	59283.92	34516.80	0.1154	0.2000	1
4	50.0000	144782.85	85425.42	0.2921	0.5000	1
5	100.0000	286290.79	172150.95	0.5997	1.0000	1
6	200.0000	640144.28	385628.52	1.2613	2.0000	1

Average Calibration Factor = 0.583743 (%RSD = 4.94)

4,4'-DDT
Component Type : Single Peak Component
Retention Time : 9.934 min Search Window: 3.06 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	8501.43	4625.35	0.0160	0.0500	1
2	10.0000	14499.40	7687.87	0.0266	0.1000	1
3	20.0000	34066.33	18834.25	0.0630	0.2000	1
4	50.0000	83850.66	46854.75	0.1602	0.5000	1
5	100.0000	174956.11	99362.02	0.3461	1.0000	1
6	200.0000	418815.20	242036.42	0.7916	2.0000	1

Average Calibration Factor = 0.327186 (%RSD = 13.04)

ENDRIN ALDEHYDE
Component Type : Single Peak Component
Retention Time : 10.406 min Search Window: 3.84 s, 0.00 %
Reference Component:

Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	9881.80	5532.49	0.0192	0.0500	1
2	10.0000	21038.20	10724.34	0.0370	0.1000	1
3	20.0000	46470.72	23717.28	0.0793	0.2000	1
4	50.0000	112996.30	59917.18	0.2049	0.5000	1
5	100.0000	224837.00	122598.48	0.4271	1.0000	1
6	200.0000	508649.91	279757.61	0.9150	2.0000	1

Average Calibration Factor = 0.407403 (%RSD = 7.74)

METHOXYCHLOR
Component Type : Single Peak Component
Retention Time : 10.645 min Search Window: 4.02 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 875.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	7405.80	2468.79	0.0086	0.0500	1
2	10.0000	8897.73	3512.62	0.0121	0.1000	1
3	20.0000	18398.41	7682.23	0.0257	0.2000	1
4	50.0000	40190.56	17793.15	0.0608	0.5000	1
5	100.0000	77077.70	36641.05	0.1276	1.0000	1
6	200.0000	178115.93	88337.31	0.2889	2.0000	1

Average Calibration Factor = 0.135755 (%RSD = 14.15)

ENDO. SULFATE
Component Type : Single Peak Component
Retention Time : 11.099 min Search Window: 4.32 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates

1	5.0000	11409.80	5654.28	0.0196	0.0500	1
2	10.0000	23926.21	11034.65	0.0381	0.1000	1
3	20.0000	50767.32	24162.89	0.0808	0.2000	1
4	50.0000	123704.78	60260.30	0.2060	0.5000	1
5	100.0000	242952.56	121193.76	0.4222	1.0000	1
6	200.0000	563353.68	277593.96	0.9079	2.0000	1

Average Calibration Factor = 0.410823 (%RSD = 6.24)

ENDRIN KETONE

Component Type : Single Peak Component
Retention Time : 11.573 min Search Window: 5.22 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	16412.86	6974.30	0.0242	0.0500	1
2	10.0000	27142.50	12484.44	0.0431	0.1000	1
3	20.0000	58855.90	27857.36	0.0931	0.2000	1
4	50.0000	140862.20	67516.47	0.2308	0.5000	1
5	100.0000	274457.68	132712.49	0.4623	1.0000	1
6	200.0000	624616.20	303666.82	0.9932	2.0000	1

Average Calibration Factor = 0.466765 (%RSD = 4.75)

PCB195

Component Type : Single Peak Component
Retention Time : 12.030 min Search Window: 5.40 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	791419.00	354554.77	1.0000	1.0000	1
2	200.0000	744828.20	328081.75	1.0000	1.0000	1
3	200.0000	780775.77	341367.88	1.0000	1.0000	1
4	200.0000	731036.90	314339.76	1.0000	1.0000	1
5	200.0000	690458.20	305648.97	1.0000	1.0000	1
6	200.0000	754598.20	338186.09	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

Y

Component Type : Single Peak Component
Retention Time : 13.081 min Search Window: 4.32 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :

Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	683275.00	278774.16	1.0000	1.0000	1
2	200.0000	634636.60	257419.75	1.0000	1.0000	1
3	200.0000	672889.60	279583.47	1.0000	1.0000	1
4	200.0000	621274.60	256075.78	1.0000	1.0000	1
5	200.0000	589629.20	239756.70	1.0000	1.0000	1
6	200.0000	639803.20	264406.09	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

DCB
Component Type : Single Peak Component
Retention Time : 13.468 min Search Window: 3.54 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 10.000000
Value 2: 0.000000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	9015.07	3509.64	0.0122	0.0250	1
2	5.0000	18432.80	5880.96	0.0203	0.0500	1
3	10.0000	33699.50	12090.81	0.0404	0.1000	1
4	20.0000	58635.40	21927.94	0.0750	0.2000	1
5	40.0000	105177.70	41065.92	0.1431	0.4000	1
6	80.0000	219157.70	86479.90	0.2828	0.8000	1

Average Calibration Factor = 0.397130 (%RSD = 12.35)

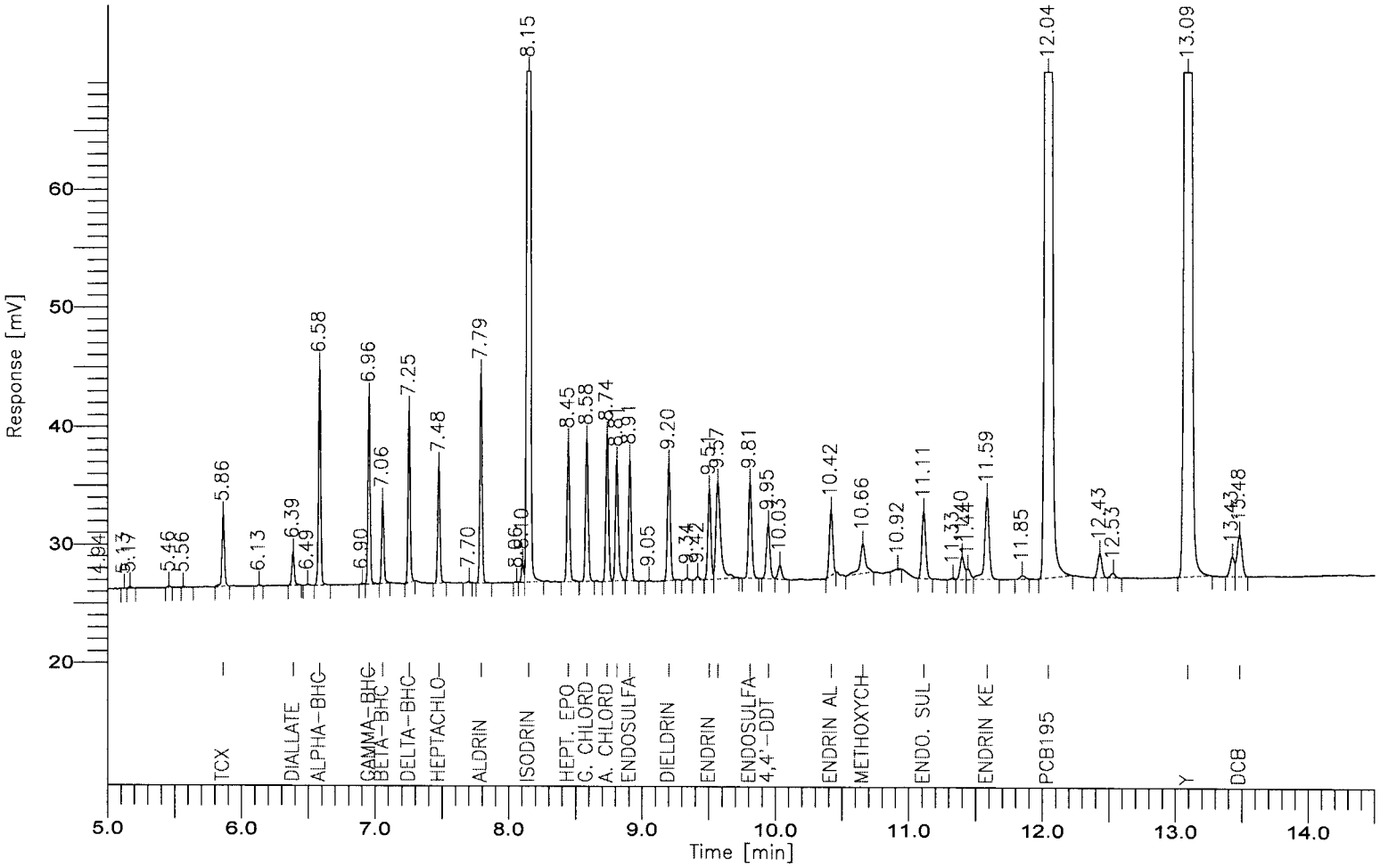
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:18 AM
Sample Number: AI2418 Study : ICAL 1
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 02:55 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9002.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9002.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9002.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.862	TCX	2.50	2.0e+02	2.50	7709	6049	0.126	TCX	0.0074	5.855	1	1.2	-----
6.385	Diallate	25.00	-------	25.00	3606	2809	0.121	Diallate	0.0077	6.377	1	-----	-----
6.584	ALPHA-BHC	5.00	-------	5.00	20928	18503	0.115	ALPHA-BHC	0.0076	6.576	1	-----	-----
6.955	GAMMA-BHC	5.00	-------	5.00	17703	15896	0.113	GAMMA-BHC	0.0078	6.947	1	-----	-----
7.057	BETA-BHC	5.00	-------	5.00	8148	6968	0.110	BETA-BHC	0.0077	7.049	1	-----	-----
7.253	DELTA-BHC	5.00	-------	5.00	16280	14640	0.106	DELTA-BHC	0.0077	7.246	1	-----	-----
7.476	HEPTACHLOR	5.00	-------	5.00	11833	9990	0.106	HEPTACHLOR	0.0079	7.468	1	-----	-----
7.791	ALDRIN	5.00	-------	5.00	20557	17791	0.096	ALDRIN	0.0075	7.783	1	-----	-----
8.148	ISODRIN	100.00	-------	100.00	369228	288735	0.101	ISODRIN	0.0082	8.140	1	-----	93.
8.446	HEPT. EPOXIDE	5.00	-------	5.00	16342	11876	0.104	HEPT. EPOXIDE	0.0088	8.437	1	-----	-----
8.584	G. CHLORDANE	5.00	-------	5.00	16962	12126	0.101	G. CHLORDANE	0.0087	8.576	1	-----	-----
8.737	A. CHLORDANE	5.00	-------	5.00	17512	12477	0.111	A. CHLORDANE	0.0097	8.728	1	-----	-----
8.809	4,4'-DDE	5.00	-------	5.00	15422	10229	0.109	4,4'-DDE	0.0096	8.799	1	-----	-----
8.908	ENDOSULFAN I	5.00	-------	5.00	15169	10389	0.104	ENDOSULFAN I	0.0093	8.899	1	-----	-----
9.201	DIELDRIN	5.00	-------	5.00	15180	9925	0.108	DIELDRIN	0.0099	9.191	1	-----	-----
9.505	ENDRIN	5.00	-------	5.00	12210	7677	0.113	ENDRIN	0.0107	9.494	1	-----	-----
9.568	DDD & Chlorob	30.00	-------	30.00	20308	8187	0.122	DDD & Chlorob	0.0116	9.556	1	-----	-----
9.809	ENDOSULFAN II	5.00	-------	5.00	13986	8109	0.112	ENDOSULFAN II	0.0109	9.798	1	-----	-----
9.946	4,4'-DDT	5.00	-------	5.00	8501	4625	0.125	4,4'-DDT	0.0124	9.934	1	-----	-----
10.417	ENDRIN ALDEHY	5.00	-------	5.00	9882	5532	0.108	ENDRIN ALDEHY	0.0113	10.406	1	-----	-----
10.655	METHOXYCHLOR	5.00	-------	5.00	7406	2469	0.097	METHOXYCHLOR	0.0103	10.645	1	-----	-----
11.112	ENDO. SULFATE	5.00	-------	5.00	11410	5654	0.117	ENDO. SULFATE	0.0130	11.099	1	-----	-----
11.585	ENDRIN KETONE	5.00	-------	5.00	16413	6974	0.108	ENDRIN KETONE	0.0125	11.573	1	-----	-----
12.044	PCB195	200.00	-------	200.00	791419	354555	0.113	PCB195	0.0136	12.030	1	-----	-----
13.094	Y	200.00	-------	200.00	683275	278774	0.102	Y	0.0133	13.081	1	-----	-----
13.483	DCB	2.50	2.0e+02	2.50	9015	3510	0.110	DCB	0.0148	13.468	1	1.2	-----
		655.00			2156403	1134470							

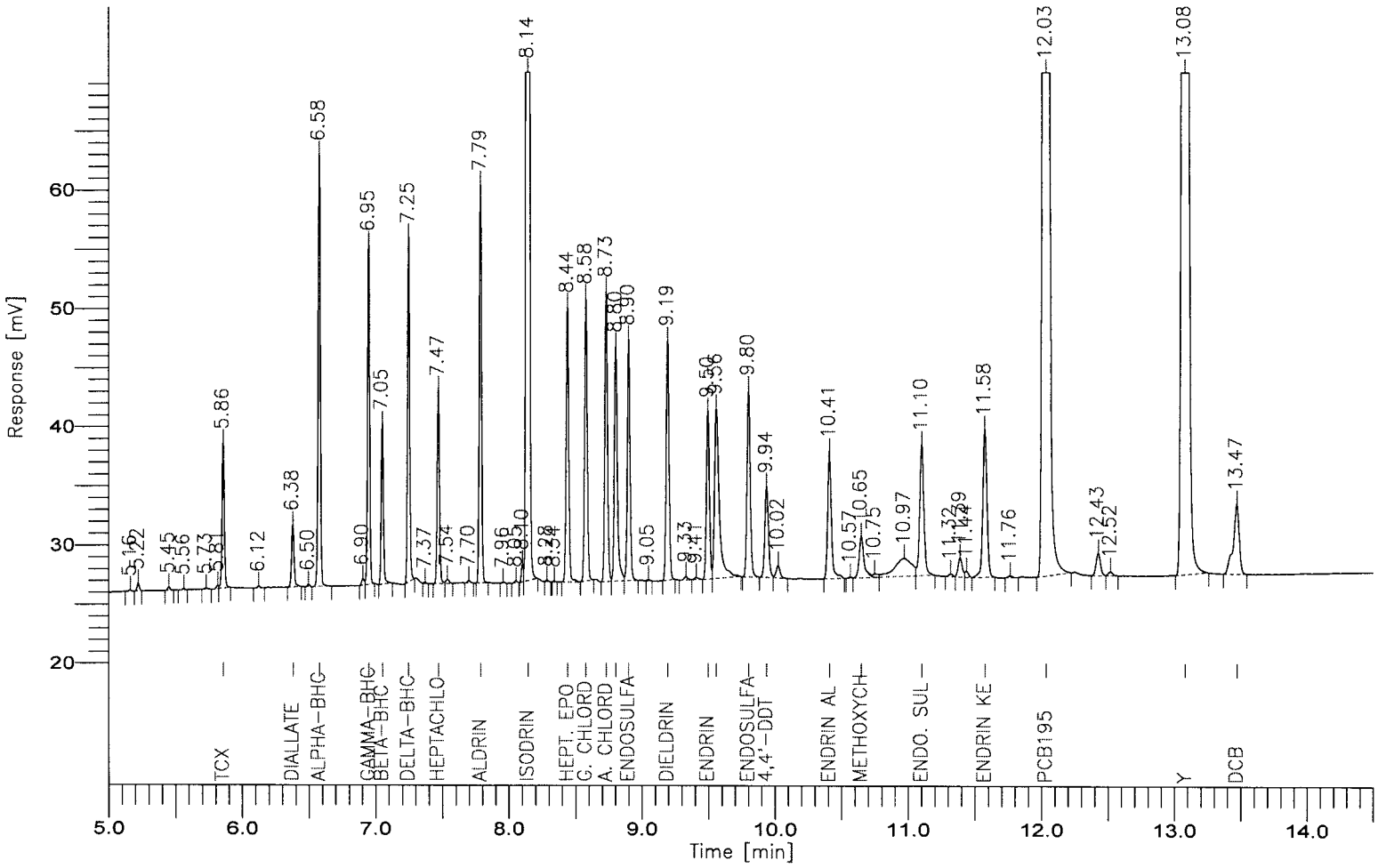
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:18 AM
Sample Number: AI2419 Study : ICAL 2
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 03:14 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9003.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9003.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9003.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.856	TCX	5.00	2.0e+02	5.00	14777	12317	0.016	TCX	0.0009	5.855	1	2.5	-----
6.379	Diallate	50.00	-------	50.00	6790	5257	0.018	Diallate	0.0012	6.377	1	-----	-----
6.577	ALPHA-BHC	10.00	-------	10.00	41795	36560	0.014	ALPHA-BHC	0.0009	6.576	1	-----	-----
6.948	GAMMA-BHC	10.00	-------	10.00	31646	28730	0.017	GAMMA-BHC	0.0012	6.947	1	-----	-----
7.050	BETA-BHC	10.00	-------	10.00	15400	13533	0.018	BETA-BHC	0.0013	7.049	1	-----	-----
7.247	DELTA-BHC	10.00	-------	10.00	32075	29173	0.011	DELTA-BHC	0.0008	7.246	1	-----	-----
7.469	HEPTACHLOR	10.00	-------	10.00	19546	16460	0.017	HEPTACHLOR	0.0013	7.468	1	-----	-----
7.785	ALDRIN	10.00	-------	10.00	39493	33731	0.020	ALDRIN	0.0015	7.783	1	-----	-----
8.142	ISODRIN	100.00	-------	100.00	364888	289459	0.020	ISODRIN	0.0016	8.140	1	-----	93.
8.439	HEPT. EPOXIDE	10.00	-------	10.00	31610	23335	0.023	HEPT. EPOXIDE	0.0019	8.437	1	-----	-----
8.577	G. CHLORDANE	10.00	-------	10.00	33102	23952	0.019	G. CHLORDANE	0.0016	8.576	1	-----	-----
8.730	A. CHLORDANE	10.00	-------	10.00	34507	24573	0.023	A. CHLORDANE	0.0020	8.728	1	-----	-----
8.802	4,4'-DDE	10.00	-------	10.00	31408	19875	0.027	4,4'-DDE	0.0023	8.799	1	-----	-----
8.900	ENDOSULFAN I	10.00	-------	10.00	30354	20416	0.014	ENDOSULFAN I	0.0013	8.899	1	-----	-----
9.193	DIELDRIN	10.00	-------	10.00	30539	20335	0.020	DIELDRIN	0.0018	9.191	1	-----	-----
9.496	ENDRIN	10.00	-------	10.00	22644	14223	0.020	ENDRIN	0.0019	9.494	1	-----	-----
9.559	DDD & Chlorob	60.00	-------	60.00	36018	14413	0.029	DDD & Chlorob	0.0027	9.556	1	-----	-----
9.801	ENDOSULFAN II	10.00	-------	10.00	26927	15902	0.026	ENDOSULFAN II	0.0025	9.798	1	-----	-----
9.937	4,4'-DDT	10.00	-------	10.00	14499	7688	0.029	4,4'-DDT	0.0029	9.934	1	-----	-----
10.408	ENDRIN ALDEHY	10.00	-------	10.00	21038	10724	0.022	ENDRIN ALDEHY	0.0023	10.406	1	-----	-----
10.647	METHOXYCHLOR	10.00	-------	10.00	8898	3513	0.026	METHOXYCHLOR	0.0028	10.645	1	-----	-----
11.102	ENDO. SULFATE	10.00	-------	10.00	23926	11035	0.032	ENDO. SULFATE	0.0035	11.099	1	-----	-----
11.575	ENDRIN KETONE	10.00	-------	10.00	27143	12484	0.023	ENDRIN KETONE	0.0026	11.573	1	-----	-----
12.034	PCB195	200.00	-------	200.00	744828	328082	0.027	PCB195	0.0033	12.030	1	-----	-----
13.083	Y	200.00	-------	200.00	634637	257420	0.016	Y	0.0020	13.081	1	-----	-----
13.472	DCB	5.00	2.0e+02	5.00	18433	5881	0.027	DCB	0.0036	13.468	1	2.5	-----
		810.00			2336921	1279070							

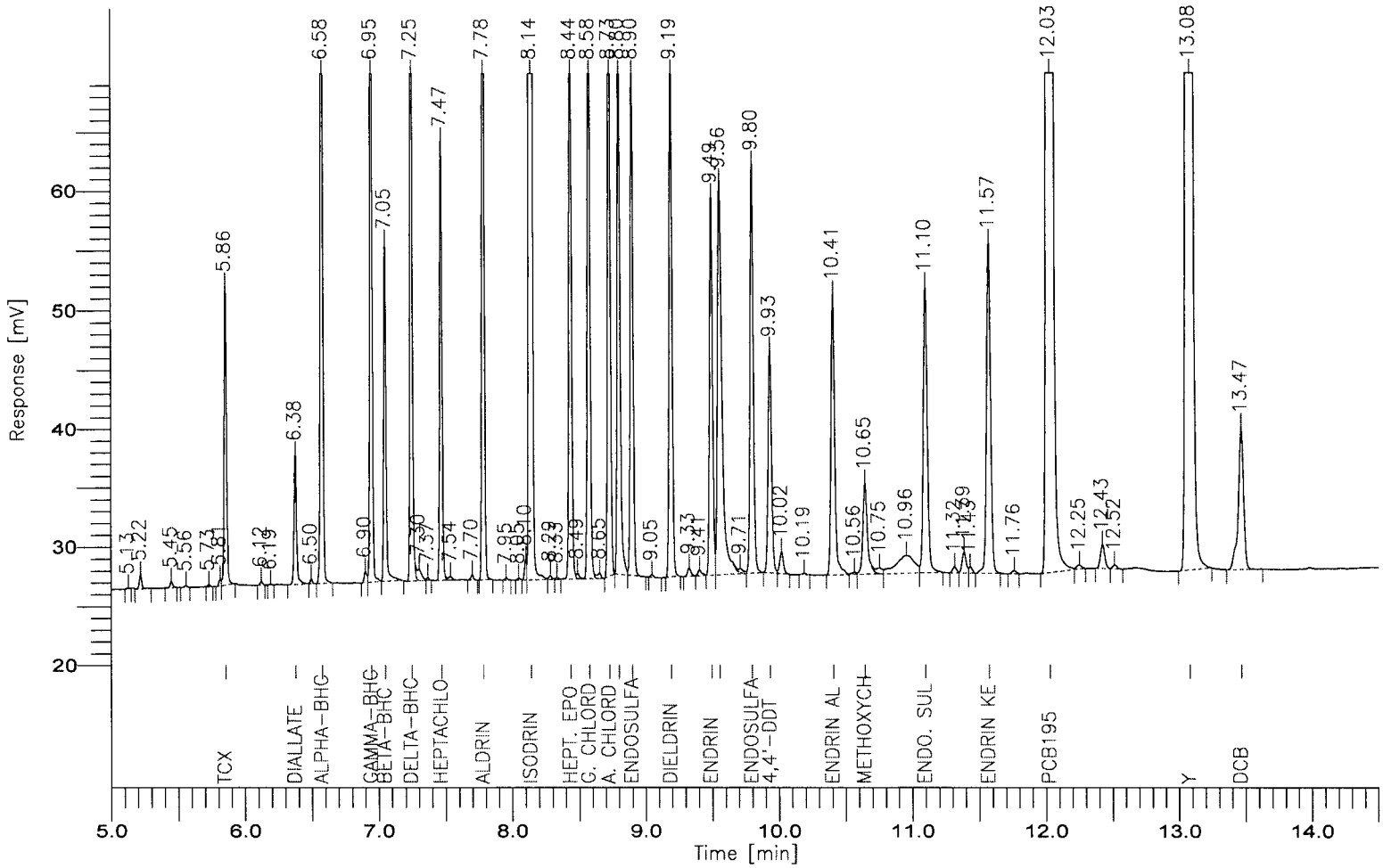
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/106 Time : 4/20/2006 09:18 AM
Sample Number: AI2420 Study : ICAL 3
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 03:34 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9004.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9004.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9004.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.855	TCX	10.00	2.0e+02	10.00	30986	25265	7e-15	TCX	-0.0000	5.855	1	5.0	-----
6.377	Diallate	100.00	-------	100.00	14272	11015	0.000	Diallate	-0.0000	6.377	1	-----	-----
6.576	ALPHA-BHC	20.00	-------	20.00	91326	80331	-2e-15	ALPHA-BHC	-0.0000	6.576	1	-----	-----
6.947	GAMMA-BHC	20.00	-------	20.00	71100	64264	-3e-15	GAMMA-BHC	-0.0000	6.947	1	-----	-----
7.049	BETA-BHC	20.00	-------	20.00	33829	28520	0.000	BETA-BHC	-0.0000	7.049	1	-----	-----
7.246	DELTA-BHC	20.00	-------	20.00	72703	64537	2e-15	DELTA-BHC	-0.0000	7.246	1	-----	-----
7.468	HEPTACHLOR	20.00	-------	20.00	44256	37124	-2e-15	HEPTACHLOR	-0.0000	7.468	1	-----	-----
7.783	ALDRIN	20.00	-------	20.00	83193	72219	-2e-15	ALDRIN	-0.0000	7.783	1	-----	-----
8.140	ISODRIN	100.00	-------	100.00	381724	299142	7e-15	ISODRIN	-0.0000	8.140	1	-----	96.
8.437	HEPT. EPOXIDE	20.00	-------	20.00	67523	50528	1e-15	HEPT. EPOXIDE	-0.0000	8.437	1	-----	-----
8.576	G. CHLORDANE	20.00	-------	20.00	72305	52526	-3e-15	G. CHLORDANE	-0.0000	8.576	1	-----	-----
8.728	A. CHLORDANE	20.00	-------	20.00	73061	52731	0.000	A. CHLORDANE	-0.0000	8.728	1	-----	-----
8.799	4,4'-DDE	20.00	-------	20.00	67877	45928	-4e-15	4,4'-DDE	-0.0000	8.799	1	-----	-----
8.899	ENDOSULFAN I	20.00	-------	20.00	64899	44459	-5e-15	ENDOSULFAN I	-0.0000	8.899	1	-----	-----
9.191	DIELDRIN	20.00	-------	20.00	66527	43988	4e-15	DIELDRIN	-0.0000	9.191	1	-----	-----
9.494	ENDRIN	20.00	-------	20.00	50830	31974	2e-15	ENDRIN	-0.0000	9.494	1	-----	-----
9.556	DDD & Chlorob	120.00	-------	120.00	79130	33182	-6e-15	DDD & Chlorob	-2e-15	9.556	1	-----	-----
9.798	ENDOSULFAN II	20.00	-------	20.00	59284	34517	7e-15	ENDOSULFAN II	-0.0000	9.798	1	-----	-----
9.934	4,4'-DDT	20.00	-------	20.00	34066	18834	1e-15	4,4'-DDT	-0.0000	9.934	1	-----	-----
10.406	ENDRIN ALDEHY	20.00	-------	20.00	46471	23717	1e-15	ENDRIN ALDEHY	-0.0000	10.406	1	-----	-----
10.645	METHOXYCHLOR	20.00	-------	20.00	18398	7682	7e-15	METHOXYCHLOR	-0.0000	10.645	1	-----	-----
11.099	ENDO. SULFATE	20.00	-------	20.00	50767	24163	-6e-15	ENDO. SULFATE	-2e-15	11.099	1	-----	-----
11.573	ENDRIN KETONE	20.00	-------	20.00	58856	27857	-6e-15	ENDRIN KETONE	-2e-15	11.573	1	-----	-----
12.030	PCB195	200.00	-------	200.00	780776	341368	-5e-15	PCB195	-0.0000	12.030	1	-----	-----
13.081	Y	200.00	-------	200.00	672890	279583	-4e-15	Y	-0.0000	13.081	1	-----	-----
13.468	DCB	10.00	2.0e+02	10.00	33699	12091	-3e-15	DCB	-0.0000	13.468	1	5.0	-----
		1120.00			3120747	1807545							

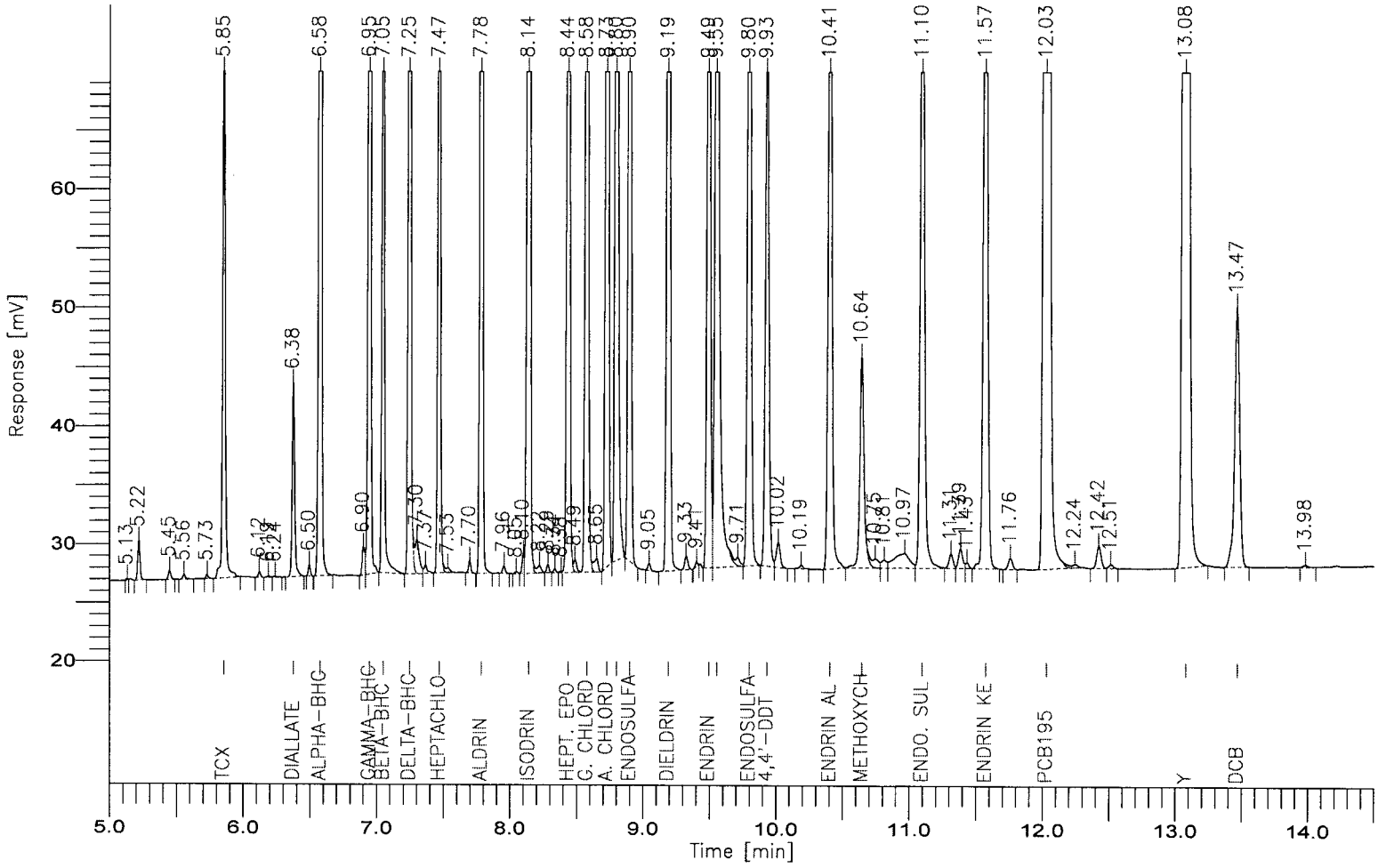
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:18 AM
Sample Number: AI2421 Study : ICAL 4
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 03:54 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9005.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9005.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9005.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.854	TCX	20.00	2.0e+02	20.00	65803	50339	-0.016	TCX	-0.0009	5.855	1	10.0	-----
6.377	Diallate	150.00	-------	150.00	21398	16425	-0.013	Diallate	-0.0008	6.377	1	-----	-----
6.576	ALPHA-BHC	50.00	-------	50.00	241357	207357	-0.008	ALPHA-BHC	-0.0005	6.576	1	-----	-----
6.946	GAMMA-BHC	50.00	-------	50.00	186228	165377	-0.011	GAMMA-BHC	-0.0008	6.947	1	-----	-----
7.048	BETA-BHC	50.00	-------	50.00	84575	71856	-0.005	BETA-BHC	-0.0004	7.049	1	-----	-----
7.245	DELTA-BHC	50.00	-------	50.00	192279	171430	-0.007	DELTA-BHC	-0.0005	7.246	1	-----	-----
7.468	HEPTACHLOR	50.00	-------	50.00	108923	91907	-0.004	HEPTACHLOR	-0.0003	7.468	1	-----	-----
7.783	ALDRIN	50.00	-------	50.00	216452	183298	-0.004	ALDRIN	-0.0003	7.783	1	-----	-----
8.139	ISODRIN	100.00	-------	100.00	367154	292479	-0.008	ISODRIN	-0.0007	8.140	1	-----	94.
8.437	HEPT. EPOXIDE	50.00	-------	50.00	173211	129782	-0.004	HEPT. EPOXIDE	-0.0003	8.437	1	-----	-----
8.575	G. CHLORDANE	50.00	-------	50.00	187827	138728	-0.003	G. CHLORDANE	-0.0003	8.576	1	-----	-----
8.727	A. CHLORDANE	50.00	-------	50.00	188742	135238	-0.003	A. CHLORDANE	-0.0002	8.728	1	-----	-----
8.799	4,4'-DDE	50.00	-------	50.00	177275	121496	-0.005	4,4'-DDE	-0.0005	8.799	1	-----	-----
8.898	ENDOSULFAN I	50.00	-------	50.00	166020	115557	-0.003	ENDOSULFAN I	-0.0003	8.899	1	-----	-----
9.191	DIELDRIN	50.00	-------	50.00	175416	116320	-0.008	DIELDRIN	-0.0007	9.191	1	-----	-----
9.493	ENDRIN	50.00	-------	50.00	129877	81475	-0.007	ENDRIN	-0.0006	9.494	1	-----	-----
9.554	DDD & Chlorob	200.00	-------	200.00	163672	77237	-0.024	DDD & Chlorob	-0.0023	9.556	1	-----	-----
9.798	ENDOSULFAN II	50.00	-------	50.00	144783	85425	-0.003	ENDOSULFAN II	-0.0003	9.798	1	-----	-----
9.933	4,4'-DDT	50.00	-------	50.00	83851	46855	-0.012	4,4'-DDT	-0.0012	9.934	1	-----	-----
10.405	ENDRIN ALDEHY	50.00	-------	50.00	112996	59917	-0.007	ENDRIN ALDEHY	-0.0007	10.406	1	-----	-----
10.644	METHOXYCHLOR	50.00	-------	50.00	40191	17793	-0.003	METHOXYCHLOR	-0.0003	10.645	1	-----	-----
11.099	ENDO. SULFATE	50.00	-------	50.00	123705	60260	-0.002	ENDO. SULFATE	-0.0002	11.099	1	-----	-----
11.572	ENDRIN KETONE	50.00	-------	50.00	140862	67516	-0.007	ENDRIN KETONE	-0.0009	11.573	1	-----	-----
12.031	PCB195	200.00	-------	200.00	731037	314340	0.004	PCB195	0.0005	12.030	1	-----	-----
13.079	Y	200.00	-------	200.00	621275	256076	-0.015	Y	-0.0020	13.081	1	-----	-----
13.467	DCB	20.00	2.0e+02	20.00	58635	21928	-0.008	DCB	-0.0011	13.468	1	10.0	-----
		1840.00			4903541	3096411							

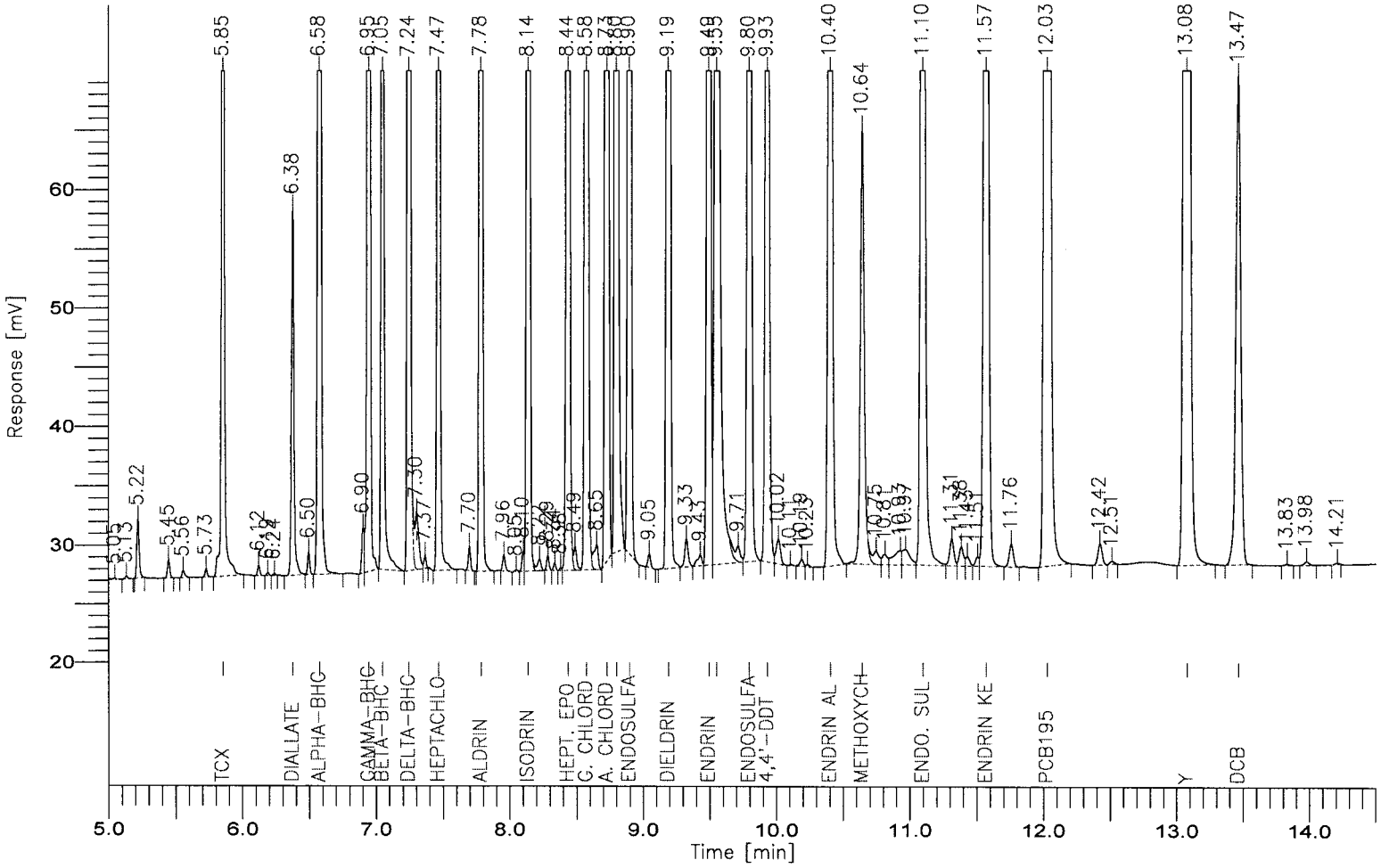
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:18 AM
Sample Number: AI2422 Study : ICAL 5
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 04:13 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9006.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9006.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9006.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.853	TCX	40.00	2.0e+02	40.00	129124	102614	-0.025	TCX	-0.0014	5.855	1	20.0	-----
6.376	Diallate	300.00	-------	300.00	40751	31035	-0.019	Diallate	-0.0012	6.377	1	-----	-----
6.575	ALPHA-BHC	100.00	-------	100.00	480957	418641	-0.018	ALPHA-BHC	-0.0012	6.576	1	-----	-----
6.945	GAMMA-BHC	100.00	-------	100.00	377148	335221	-0.020	GAMMA-BHC	-0.0014	6.947	1	-----	-----
7.048	BETA-BHC	100.00	-------	100.00	165066	141400	-0.015	BETA-BHC	-0.0011	7.049	1	-----	-----
7.244	DELTA-BHC	100.00	-------	100.00	384099	336248	-0.019	DELTA-BHC	-0.0014	7.246	1	-----	-----
7.467	HEPTACHLOR	100.00	-------	100.00	230015	195974	-0.019	HEPTACHLOR	-0.0014	7.468	1	-----	-----
7.782	ALDRIN	100.00	-------	100.00	422861	361552	-0.011	ALDRIN	-0.0008	7.783	1	-----	-----
8.139	ISODRIN	100.00	-------	100.00	359778	287071	-0.014	ISODRIN	-0.0011	8.140	1	-----	92.
8.436	HEPT. EPOXIDE	100.00	-------	100.00	340212	257976	-0.007	HEPT. EPOXIDE	-0.0006	8.437	1	-----	-----
8.575	G. CHLORDANE	100.00	-------	100.00	369418	267354	-0.012	G. CHLORDANE	-0.0010	8.576	1	-----	-----
8.727	A. CHLORDANE	100.00	-------	100.00	369492	262638	-0.011	A. CHLORDANE	-0.0010	8.728	1	-----	-----
8.798	4,4'-DDE	100.00	-------	100.00	351372	242421	-0.015	4,4'-DDE	-0.0013	8.799	1	-----	-----
8.898	ENDOSULFAN I	100.00	-------	100.00	328242	227906	-0.012	ENDOSULFAN I	-0.0011	8.899	1	-----	-----
9.190	DIELDRIN	100.00	-------	100.00	347283	230549	-0.010	DIELDRIN	-0.0009	9.191	1	-----	-----
9.493	ENDRIN	100.00	-------	100.00	258132	164392	-0.015	ENDRIN	-0.0014	9.494	1	-----	-----
9.552	DDD & Chlorob	400.00	-------	400.00	320420	155162	-0.047	DDD & Chlorob	-0.0045	9.556	1	-----	-----
9.796	ENDOSULFAN II	100.00	-------	100.00	286291	172151	-0.017	ENDOSULFAN II	-0.0017	9.798	1	-----	-----
9.932	4,4'-DDT	100.00	-------	100.00	174956	99362	-0.017	4,4'-DDT	-0.0017	9.934	1	-----	-----
10.404	ENDRIN ALDEHY	100.00	-------	100.00	224837	122598	-0.019	ENDRIN ALDEHY	-0.0020	10.406	1	-----	-----
10.643	METHOXYCHLOR	100.00	-------	100.00	77078	36641	-0.014	METHOXYCHLOR	-0.0015	10.645	1	-----	-----
11.097	ENDO. SULFATE	100.00	-------	100.00	242953	121194	-0.015	ENDO. SULFATE	-0.0016	11.099	1	-----	-----
11.570	ENDRIN KETONE	100.00	-------	100.00	274458	132712	-0.026	ENDRIN KETONE	-0.0030	11.573	1	-----	-----
12.029	PCB195	200.00	-------	200.00	690458	305649	-0.011	PCB195	-0.0014	12.030	1	-----	-----
13.077	Y	200.00	-------	200.00	589629	239757	-0.027	Y	-0.0035	13.081	1	-----	-----
13.465	DCB	40.00	2.0e+02	40.00	105178	41066	-0.020	DCB	-0.0026	13.468	1	20.0	-----
		3180.00			7940205	5289285							

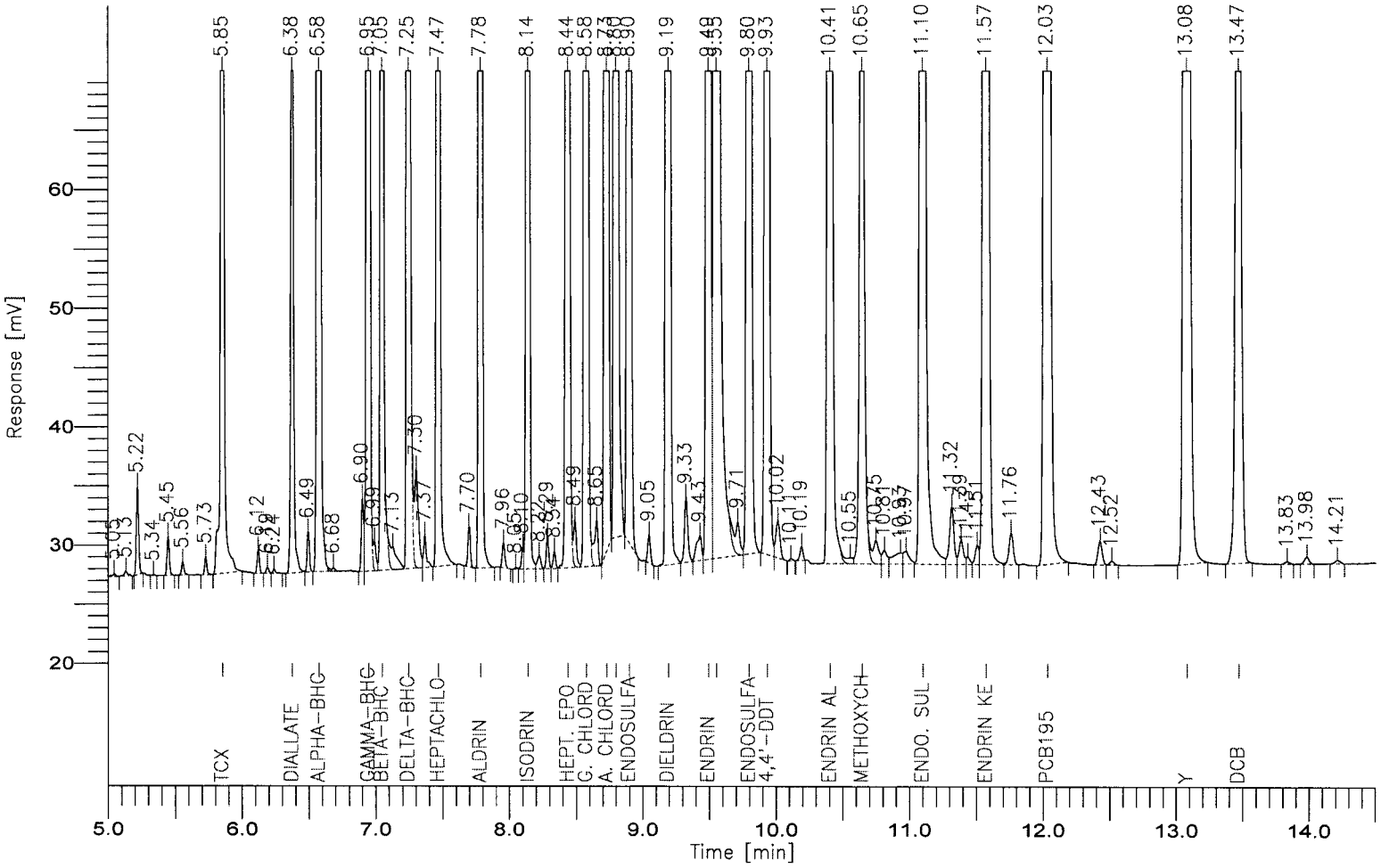
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:18 AM
Sample Number: AI2423 Study : ICAL 6
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 04:33 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9007.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9007.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9007.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.854	TCX	80.00	2.0e+02	80.00	277902	229179	-0.018	TCX	-0.0011	5.855	1	40.0	-----
6.376	Diallate	600.00	-------	600.00	84459	66837	-0.014	Diallate	-0.0009	6.377	1	-----	-----
6.575	ALPHA-BHC	200.00	-------	200.00	1047539	918362	-0.015	ALPHA-BHC	-0.0010	6.576	1	-----	-----
6.946	GAMMA-BHC	200.00	-------	200.00	850103	763171	-0.010	GAMMA-BHC	-0.0007	6.947	1	-----	-----
7.048	BETA-BHC	200.00	-------	200.00	362639	318849	-0.011	BETA-BHC	-0.0007	7.049	1	-----	-----
7.245	DELTA-BHC	200.00	-------	200.00	872819	777634	-0.011	DELTA-BHC	-0.0008	7.246	1	-----	-----
7.468	HEPTACHLOR	200.00	-------	200.00	557824	470584	-0.003	HEPTACHLOR	-0.0002	7.468	1	-----	-----
7.783	ALDRIN	200.00	-------	200.00	902176	764295	-0.000	ALDRIN	-0.0000	7.783	1	-----	-----
8.140	ISODRIN	100.00	-------	100.00	388129	305750	-0.003	ISODRIN	-0.0003	8.140	1	-----	98.
8.437	HEPT. EPOXIDE	200.00	-------	200.00	747959	562088	0.006	HEPT. EPOXIDE	0.0005	8.437	1	-----	-----
8.576	G. CHLORDANE	200.00	-------	200.00	808242	586373	0.000	G. CHLORDANE	0.0000	8.576	1	-----	-----
8.728	A. CHLORDANE	200.00	-------	200.00	802721	568994	-0.000	A. CHLORDANE	-0.0000	8.728	1	-----	-----
8.799	4,4'-DDE	200.00	-------	200.00	780534	542360	-0.001	4,4'-DDE	-0.0001	8.799	1	-----	-----
8.899	ENDOSULFAN I	200.00	-------	200.00	718938	489258	1e-05	ENDOSULFAN I	1.3e-06	8.899	1	-----	-----
9.192	DIELDRIN	200.00	-------	200.00	760424	501100	0.003	DIELDRIN	0.0003	9.191	1	-----	-----
9.494	ENDRIN	200.00	-------	200.00	603935	380890	0.003	ENDRIN	0.0002	9.494	1	-----	-----
9.553	DDD & Chlorob	854.07	------- +	854.07*	716487	357140	-0.031	DDD & Chlorob	-0.0030	9.556	1	-----	-----
9.798	ENDOSULFAN II	200.00	-------	200.00	640144	385629	0.001	ENDOSULFAN II	0.0001	9.798	1	-----	-----
9.934	4,4'-DDT	200.00	-------	200.00	418815	242036	0.000	4,4'-DDT	0.0000	9.934	1	-----	-----
10.406	ENDRIN ALDEHY	200.00	-------	200.00	508650	279758	-0.003	ENDRIN ALDEHY	-0.0003	10.406	1	-----	-----
10.645	METHOXYCHLOR	200.00	-------	200.00	178116	88337	0.004	METHOXYCHLOR	0.0004	10.645	1	-----	-----
11.099	ENDO. SULFATE	200.00	-------	200.00	563354	277594	0.006	ENDO. SULFATE	0.0006	11.099	1	-----	-----
11.573	ENDRIN KETONE	200.00	-------	200.00	624616	303667	-0.002	ENDRIN KETONE	-0.0002	11.573	1	-----	-----
12.032	PCB195	200.00	-------	200.00	754598	338186	0.012	PCB195	0.0015	12.030	1	-----	-----
13.081	Y	200.00	-------	200.00	639803	264406	0.000	Y	0.0000	13.081	1	-----	-----
13.469	DCB	80.00	2.0e+02	80.00	219158	86480	0.005	DCB	0.0006	13.468	1	40.0	-----
		5914.07			15830085	1e+07							

* 6th level dropped (L 4/20/06)

Turbochrom Method File : K:\#GST\#MTHCALB\D19T6W.MTH
Created by : msp on : 4/20/2006 07:52 AM
Edited by : analyst on : 4/20/2006 09:57 AM
Description :

Number of Times Edited : 8
Number of Times Calibrated : 470

Global Information :

Default Sample Volume : 1.000 ul
Quantitation Units : ppb
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An Internal Standard calibration will be used
Unknown peaks will use the response factor of the nearest component

Component Information :

TCX

Component Type : Single Peak Component
Retention Time : 5.729 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 10.000000
Value 2: 0.000000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	20217.00	15450.10	0.0316	0.0250	1
2	5.0000	37398.60	28078.29	0.0583	0.0500	1
3	10.0000	76340.44	55090.54	0.1081	0.1000	1
4	20.0000	146437.22	105016.18	0.2125	0.2000	1
5	40.0000	263289.60	204138.66	0.4220	0.4000	1
6	80.0000	544385.72	437305.98	0.8418	0.8000	1

Average Calibration Factor = 1.113109 (%RSD = 7.60)

Diallate

Component Type : Single Peak Component
Retention Time : 6.240 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Area ratio / Amount ratio)
User Values:
Label :
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	25.0000	7834.43	5957.98	0.0128	0.2500	1
2	50.0000	13498.56	10978.05	0.0226	0.5000	1
3	100.0000	28086.37	21285.64	0.0446	1.0000	1
4	150.0000	40728.39	29733.14	0.0666	1.5000	1
5	300.0000	71528.80	53448.73	0.1192	3.0000	1
6	600.0000	135292.12	106071.73	0.2114	6.0000	1

Average Calibration Factor = 0.043393 (%RSD = 12.45)

ALPHA-BHC

Component Type : Single Peak Component
Retention Time : 6.495 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	37530.44	30568.16	0.0625	0.0500	1
2	10.0000	68122.00	56934.33	0.1181	0.1000	1
3	20.0000	140465.77	118849.65	0.2332	0.2000	1
4	50.0000	333758.60	289032.15	0.5848	0.5000	1
5	100.0000	643008.60	563421.71	1.1646	1.0000	1

Average Calibration Factor = 1.186196 (%RSD = 3.02)

GAMMA-BHC

Component Type : Single Peak Component
Retention Time : 6.898 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	31677.40	26584.39	0.0543	0.0500	1
2	10.0000	53255.99	45346.87	0.0941	0.1000	1
3	20.0000	109069.64	94843.80	0.1861	0.2000	1
4	50.0000	260129.13	226716.44	0.4587	0.5000	1
5	100.0000	498160.33	441441.09	0.9125	1.0000	1
6	200.0000	1089938.90	966483.20	1.8604	2.0000	1

Average Calibration Factor = 0.953013 (%RSD = 6.94)

BETA-BHC

Component Type : Single Peak Component
Retention Time : 6.993 min Search Window: 3.00 s, 0.00 %
Reference Component:

Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	16271.50	13046.73	0.0267	0.0500	1
2	10.0000	29044.01	22860.00	0.0474	0.1000	1
3	20.0000	57030.76	45459.63	0.0892	0.2000	1
4	50.0000	136946.53	107006.33	0.2165	0.5000	1
5	100.0000	242439.27	199853.39	0.4131	1.0000	1
6	200.0000	507800.46	445861.07	0.8582	2.0000	1

Average Calibration Factor = 0.454802 (%RSD = 9.57)

DELTA-BHC
Component Type : Single Peak Component
Retention Time : 7.304 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	29935.26	24477.80	0.0500	0.0500	1
2	10.0000	54615.96	44717.68	0.0928	0.1000	1
3	20.0000	112530.15	92925.97	0.1824	0.2000	1
4	50.0000	267632.56	228913.17	0.4632	0.5000	1
5	100.0000	512343.10	442623.16	0.9149	1.0000	1

Average Calibration Factor = 0.936251 (%RSD = 3.90)

HEPTACHLOR
Component Type : Single Peak Component
Retention Time : 7.367 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	29183.86	23088.45	0.0472	0.0500	1

2	10.0000	45150.07	35281.46	0.0732	0.1000	1
3	20.0000	91844.51	71497.22	0.1403	0.2000	1
4	50.0000	196849.04	156596.39	0.3169	0.5000	1
5	100.0000	369869.70	306021.41	0.6326	1.0000	1
6	200.0000	815654.56	691650.77	1.3314	2.0000	1

Average Calibration Factor = 0.718182 (%RSD = 16.30)

ALDRIN

Component Type : Single Peak Component
Retention Time : 7.698 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	44407.76	37602.12	0.0768	0.0500	1
2	10.0000	78186.15	67085.40	0.1392	0.1000	1
3	20.0000	154629.80	134182.32	0.2633	0.2000	1
4	50.0000	369267.40	320331.36	0.6482	0.5000	1
5	100.0000	688763.90	598564.56	1.2373	1.0000	1

Average Calibration Factor = 1.355761 (%RSD = 8.50)

ISODRIN

Component Type : Single Peak Component
Retention Time : 8.100 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 509544.030000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	612526.99	489386.14	1.0000	1.0000	1
2	100.0000	597372.90	481992.47	1.0000	1.0000	1
3	100.0000	629147.45	509544.03	1.0000	1.0000	1
4	100.0000	611750.86	494222.22	1.0000	1.0000	1
5	100.0000	599906.70	483778.69	1.0000	1.0000	1
6	100.0000	639996.56	519505.78	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

HEPT. EPOXIDE

Component Type : Single Peak Component
Retention Time : 8.285 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)

User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	33462.41	24924.04	0.0509	0.0500	1
2	10.0000	57659.00	43301.50	0.0898	0.1000	1
3	20.0000	115072.55	86417.67	0.1696	0.2000	1
4	50.0000	266730.72	204558.11	0.4139	0.5000	1
5	100.0000	494460.22	386392.34	0.7987	1.0000	1
6	200.0000	1038855.39	825375.17	1.5888	2.0000	1

Average Calibration Factor = 0.864307 (%RSD = 9.78)

G. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.490 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	38345.80	26668.85	0.0545	0.0500	1
2	10.0000	66850.00	47999.19	0.0996	0.1000	1
3	20.0000	135136.80	97462.38	0.1913	0.2000	1
4	50.0000	323358.13	238831.45	0.4832	0.5000	1
5	100.0000	605145.88	453824.25	0.9381	1.0000	1
6	200.0000	1260412.11	954276.47	1.8369	2.0000	1

Average Calibration Factor = 0.977522 (%RSD = 6.24)

A. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.655 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	38846.17	27911.81	0.0570	0.0500	1
2	10.0000	69236.07	49334.39	0.1024	0.1000	1
3	20.0000	139193.65	100962.53	0.1981	0.2000	1
4	50.0000	329685.87	244146.80	0.4940	0.5000	1
5	100.0000	614362.02	453969.54	0.9384	1.0000	1

6	200.0000	1275291.84	960640.41	1.8491	2.0000	1

Average Calibration Factor = 1.000985 (%RSD = 7.75)

ENDOSULFAN I

Component Type : Single Peak Component
Retention Time : 8.722 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	33003.03	22811.50	0.0466	0.0500	1
2	10.0000	58784.96	40154.68	0.0833	0.1000	1
3	20.0000	117467.55	82880.14	0.1627	0.2000	1
4	50.0000	276115.53	196514.70	0.3976	0.5000	1
5	100.0000	517053.78	371628.55	0.7682	1.0000	1
6	200.0000	1080631.76	787737.67	1.5163	2.0000	1

Average Calibration Factor = 0.816702 (%RSD = 7.72)

4,4'-DDE

Component Type : Single Peak Component
Retention Time : 8.842 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	37390.40	22729.59	0.0464	0.0500	1
2	10.0000	67757.10	39671.73	0.0823	0.1000	1
3	20.0000	137936.10	84107.06	0.1651	0.2000	1
4	50.0000	326426.00	209922.06	0.4248	0.5000	1
5	100.0000	605862.80	399492.60	0.8258	1.0000	1
6	200.0000	1268232.80	862201.03	1.6597	2.0000	1

Average Calibration Factor = 0.847068 (%RSD = 4.87)

DIELDRIN

Component Type : Single Peak Component
Retention Time : 9.046 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :

Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	34691.30	22054.84	0.0451	0.0500	1
2	10.0000	60838.80	38885.43	0.0807	0.1000	1
3	20.0000	120724.10	78134.07	0.1533	0.2000	1
4	50.0000	280232.00	180937.49	0.3661	0.5000	1
5	100.0000	516793.90	346433.50	0.7161	1.0000	1
6	200.0000	1072549.52	732117.22	1.4093	2.0000	1

Average Calibration Factor = 0.771289 (%RSD = 9.56)

Chlorobenzilate

Component Type : Single Peak Component
Retention Time : 9.396 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Area ratio / Amount ratio)
User Values:
Label :
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	25.0000	15188.28	9339.22	0.0248	0.2500	1
2	50.0000	20734.93	13065.90	0.0347	0.5000	1
3	100.0000	45786.52	27970.46	0.0728	1.0000	1
4	150.0000	57611.33	38355.82	0.0942	1.5000	1
5	300.0000	110869.98	72620.19	0.1848	3.0000	1
6	600.0000	246101.06	162528.32	0.3845	6.0000	1

Average Calibration Factor = 0.071643 (%RSD = 19.75)

ENDRIN

Component Type : Single Peak Component
Retention Time : 9.432 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	31219.38	18106.70	0.0370	0.0500	1
2	10.0000	49780.27	29093.36	0.0604	0.1000	1
3	20.0000	105484.28	59741.80	0.1172	0.2000	1
4	50.0000	228953.97	132953.50	0.2690	0.5000	1
5	100.0000	414060.02	247883.79	0.5124	1.0000	1
6	200.0000	889130.44	546863.50	1.0527	2.0000	1

Average Calibration Factor = 0.584427 (%RSD = 14.37)

4,4'-DDD

Component Type : Single Peak Component
Retention Time : 9.569 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label : 0
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	33871.14	16523.98	0.0338	0.0500	1
2	10.0000	49686.43	24206.27	0.0502	0.1000	1
3	20.0000	97089.47	49188.72	0.0965	0.2000	1
4	50.0000	209263.55	111314.27	0.2252	0.5000	1
5	100.0000	372595.60	208705.39	0.4314	1.0000	1
6	200.0000	790808.20	472931.53	0.9103	2.0000	1

Average Calibration Factor = 0.499537 (%RSD = 17.95)

ENDOSULFAN II

Component Type : Single Peak Component
Retention Time : 9.712 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	31065.25	17576.05	0.0359	0.0500	1
2	10.0000	55339.32	30995.17	0.0643	0.1000	1
3	20.0000	109295.13	62931.53	0.1235	0.2000	1
4	50.0000	245136.15	143279.40	0.2899	0.5000	1
5	100.0000	452849.40	274262.96	0.5669	1.0000	1
6	200.0000	953406.30	581813.12	1.1199	2.0000	1

Average Calibration Factor = 0.614264 (%RSD = 9.78)

4,4'-DDT

Component Type : Single Peak Component
Retention Time : 10.006 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000

Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	23529.14	13004.94	0.0266	0.0500	1
2	10.0000	36961.10	19938.43	0.0414	0.1000	1
3	20.0000	78216.32	41390.58	0.0812	0.2000	1
4	50.0000	168308.00	91549.59	0.1852	0.5000	1
5	100.0000	316084.90	173833.81	0.3593	1.0000	1
6	200.0000	691136.83	397817.68	0.7658	2.0000	1

Average Calibration Factor = 0.410664 (%RSD = 15.26)

ENDRIN ALDEHYDE

Component Type : Single Peak Component
Retention Time : 10.191 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	28639.56	14281.42	0.0292	0.0500	1
2	10.0000	44757.00	22373.77	0.0464	0.1000	1
3	20.0000	88701.02	44944.08	0.0882	0.2000	1
4	50.0000	197851.18	102850.72	0.2081	0.5000	1
5	100.0000	362095.82	190869.33	0.3945	1.0000	1
6	200.0000	750814.30	412998.45	0.7950	2.0000	1

Average Calibration Factor = 0.449517 (%RSD = 15.77)

ENDO. SULFATE

Component Type : Single Peak Component
Retention Time : 10.612 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	30098.58	14219.27	0.0291	0.0500	1
2	10.0000	50961.87	24123.75	0.0501	0.1000	1
3	20.0000	98734.20	47436.32	0.0931	0.2000	1
4	50.0000	211295.60	105885.58	0.2142	0.5000	1
5	100.0000	407696.37	197199.15	0.4076	1.0000	1
6	200.0000	872923.84	439102.51	0.8452	2.0000	1

Average Calibration Factor = 0.467636 (%RSD = 13.90)

METHOXYCHLOR

Component Type : Single Peak Component
Retention Time : 11.093 min Search Window: 3.54 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Calibrating Height ratio versus Amount ratio using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 875.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	13161.88	6396.42	0.0131	0.0500	1
2	10.0000	20754.00	9637.40	0.0200	0.1000	1
3	20.0000	43428.80	19991.56	0.0392	0.2000	1
4	50.0000	92558.80	41015.57	0.0830	0.5000	1
5	100.0000	168710.84	75385.94	0.1558	1.0000	1
6	200.0000	368022.89	161927.80	0.3117	2.0000	1

Calibration Curve : y = (0.006020) + (0.152388)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999734

ENDRIN KETONE
Component Type : Single Peak Component
Retention Time : 11.504 min Search Window: 3.48 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	34368.71	16164.75	0.0330	0.0500	1
2	10.0000	57420.30	25937.77	0.0538	0.1000	1
3	20.0000	109760.60	50872.19	0.0998	0.2000	1
4	50.0000	234898.63	108376.23	0.2193	0.5000	1
5	100.0000	421979.37	201143.30	0.4158	1.0000	1
6	200.0000	891615.21	429193.45	0.8262	2.0000	1

Average Calibration Factor = 0.494228 (%RSD = 19.30)

PCB195
Component Type : Single Peak Component
Retention Time : 12.424 min Search Window: 5.34 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :

Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	1403456.04	605017.41	1.0000	1.0000	1
2	200.0000	1351242.58	567489.03	1.0000	1.0000	1
3	200.0000	1400057.82	593947.31	1.0000	1.0000	1
4	200.0000	1333961.44	565473.29	1.0000	1.0000	1
5	200.0000	1251601.67	540287.70	1.0000	1.0000	1
6	200.0000	1382051.15	596385.65	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

Y

Component Type : Single Peak Component
Retention Time : 13.421 min Search Window: 6.48 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	1201550.80	482221.70	1.0000	1.0000	1
2	200.0000	1163698.00	461386.64	1.0000	1.0000	1
3	200.0000	1226514.80	492453.89	1.0000	1.0000	1
4	200.0000	1154460.20	455736.69	1.0000	1.0000	1
5	200.0000	1084627.40	426914.33	1.0000	1.0000	1
6	200.0000	1192704.40	478557.74	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

DCB

Component Type : Single Peak Component
Retention Time : 13.980 min Search Window: 3.78 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Calibrating Height ratio versus Amount ratio using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 10.000000
Value 2: 0.000000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	29987.20	10036.37	0.0205	0.0250	1
2	5.0000	49239.90	16414.92	0.0341	0.0500	1
3	10.0000	83214.80	29055.58	0.0570	0.1000	1

4	20.0000	137659.70	48374.35	0.0979	0.2000	1
5	40.0000	231922.20	84635.56	0.1749	0.4000	1
6	80.0000	448826.68	171275.99	0.3297	0.8000	1

Calibration Curve : y = (0.015273) + (0.395218)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999334

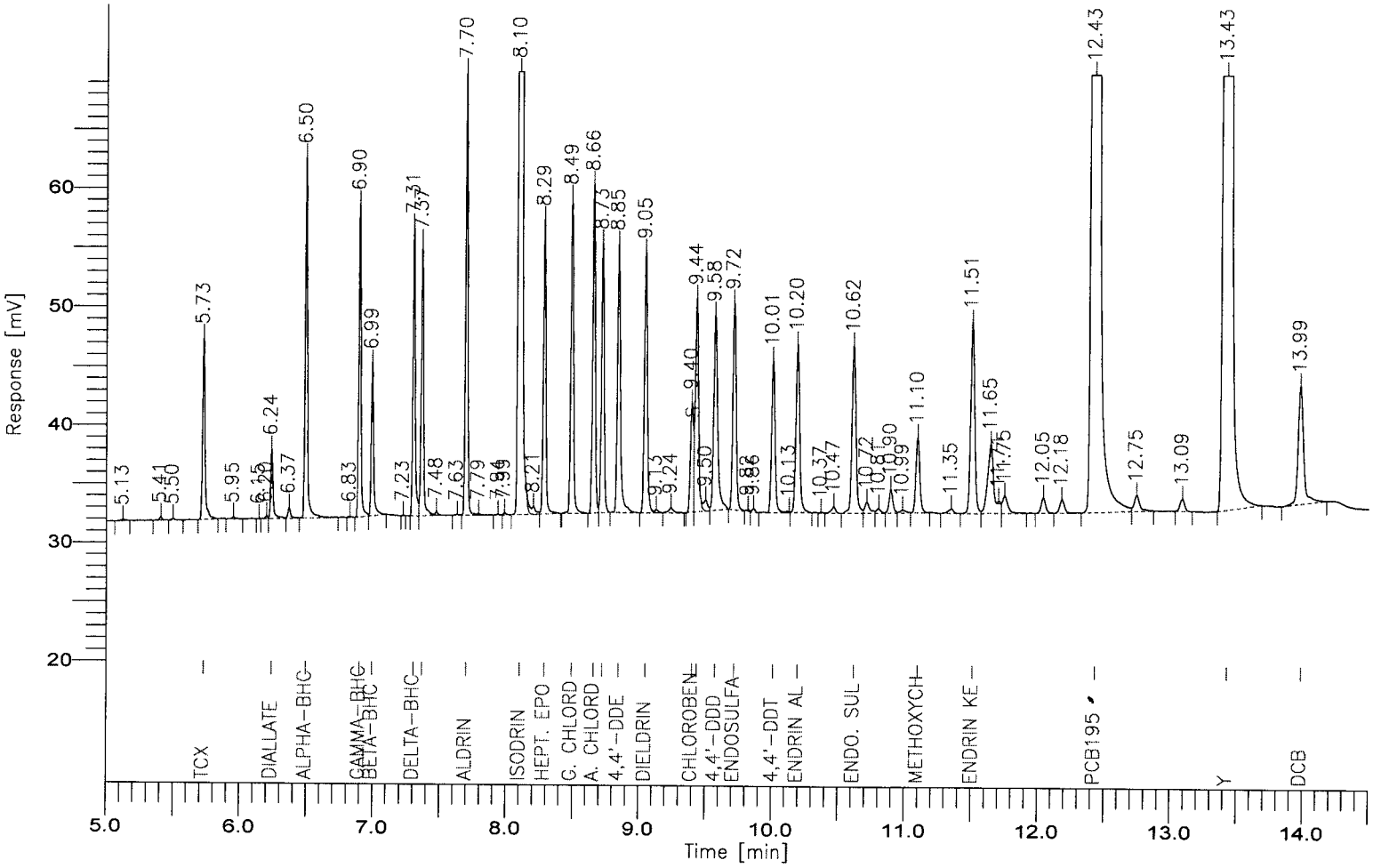
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:02 AM
Sample Number: AI2418 Study : ICAL 1
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 02:55 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9002.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9002.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9002.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

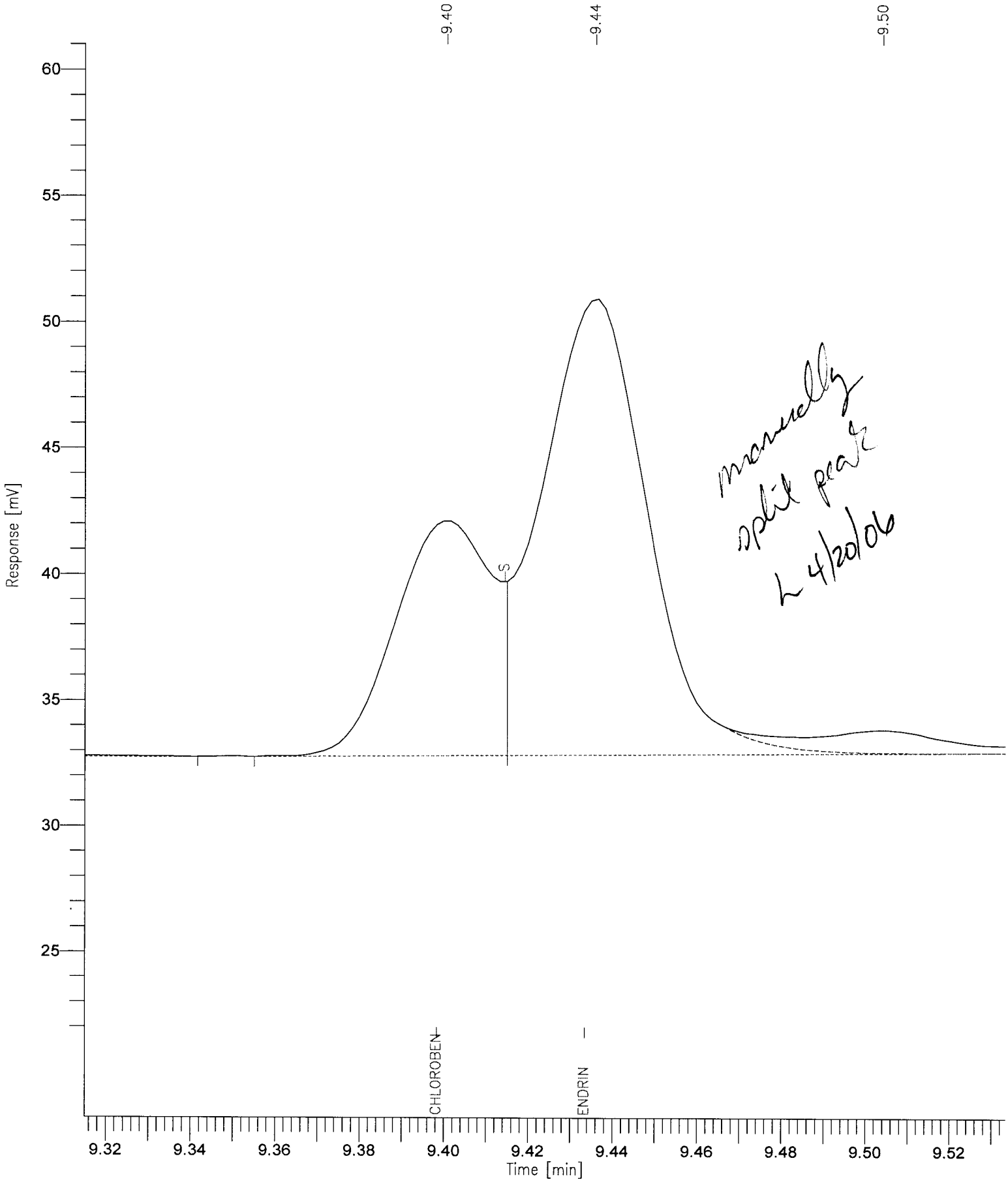
Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.727	TCX	2.50	2.0e+02	2.50	20217	15450	-0.033	TCX	-0.0019	5.729	1	1.2	-----
6.240	Diallate	25.00	-------	25.00	7834	5958	-0.005	Diallate	-0.0003	6.240	1	-----	-----
6.495	ALPHA-BHC	5.00	-------	5.00	37530	30568	0.004	ALPHA-BHC	0.0003	6.495	1	-----	-----
6.899	GAMMA-BHC	5.00	-------	5.00	31677	26584	0.010	GAMMA-BHC	0.0007	6.898	1	-----	-----
6.994	BETA-BHC	5.00	-------	5.00	16271	13047	0.018	BETA-BHC	0.0012	6.993	1	-----	-----
7.305	DELTA-BHC	5.00	-------	5.00	29935	24478	0.013	DELTA-BHC	0.0009	7.304	1	-----	-----
7.368	HEPTACHLOR	5.00	-------	5.00	29184	23088	0.011	HEPTACHLOR	0.0008	7.367	1	-----	-----
7.699	ALDRIN	5.00	-------	5.00	44408	37602	0.017	ALDRIN	0.0013	7.698	1	-----	-----
8.103	ISODRIN	100.00	-------	100.00	612527	489386	0.031	ISODRIN	0.0025	8.100	1	-----	94.
8.287	HEPT. EPOXIDE	5.00	-------	5.00	33462	24924	0.027	HEPT. EPOXIDE	0.0023	8.285	1	-----	-----
8.494	G. CHLORDANE	5.00	-------	5.00	38346	26669	0.037	G. CHLORDANE	0.0031	8.490	1	-----	-----
8.658	A. CHLORDANE	5.00	-------	5.00	38846	27912	0.032	A. CHLORDANE	0.0028	8.655	1	-----	-----
8.725	ENDOSULFAN I	5.00	-------	5.00	33003	22812	0.036	ENDOSULFAN I	0.0032	8.722	1	-----	-----
8.845	4,4'-DDE	5.00	-------	5.00	37390	22730	0.034	4,4'-DDE	0.0030	8.842	1	-----	-----
9.050	DIELDRIN	5.00	-------	5.00	34691	22055	0.040	DIELDRIN	0.0036	9.046	1	-----	-----
9.401	Chlorobenzila	25.00	-------	25.00	15188	9339	0.053	Chlorobenzila	0.0050	9.396	1	-----	-----
9.436	ENDRIN	5.00	-------	5.00	31219	18107	0.048	ENDRIN	0.0045	9.432	1	-----	-----
9.575	4,4'-DDD	5.00	-------	5.00	33871	16524	0.064	4,4'-DDD	0.0061	9.569	1	-----	-----
9.717	ENDOSULFAN II	5.00	-------	5.00	31065	17576	0.056	ENDOSULFAN II	0.0055	9.712	1	-----	-----
10.012	4,4'-DDT	5.00	-------	5.00	23529	13005	0.058	4,4'-DDT	0.0058	10.006	1	-----	-----
10.196	ENDRIN ALDEHY	5.00	-------	5.00	28640	14281	0.050	ENDRIN ALDEHY	0.0051	10.191	1	-----	-----
10.618	ENDO. SULFATE	5.00	-------	5.00	30099	14219	0.053	ENDO. SULFATE	0.0057	10.612	1	-----	-----
11.099	METHOXYCHLOR	5.00	-------	5.00	13162	6396	0.055	METHOXYCHLOR	0.0061	11.093	1	-----	-----
11.510	ENDRIN KETONE	5.00	-------	5.00	34369	16165	0.050	ENDRIN KETONE	0.0057	11.504	1	-----	-----
12.431	PCB195	200.00	-------	200.00	1403456	605017	0.053	PCB195	0.0066	12.424	1	-----	-----
13.427	Y	200.00	-------	200.00	1201551	482222	0.050	Y	0.0067	13.421	1	-----	-----
13.986	DCB	2.50	2.0e+02	2.50	29987	10036	0.046	DCB	0.0064	13.980	1	1.2	-----
		655.00			3921460	2036151							

manually opted peak
4/20/06

Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9002.RAW
Method :
Start Time : 9.32 min End Time : 9.53 min
Scale Factor: 0.0 Plot Offset: 22 mV

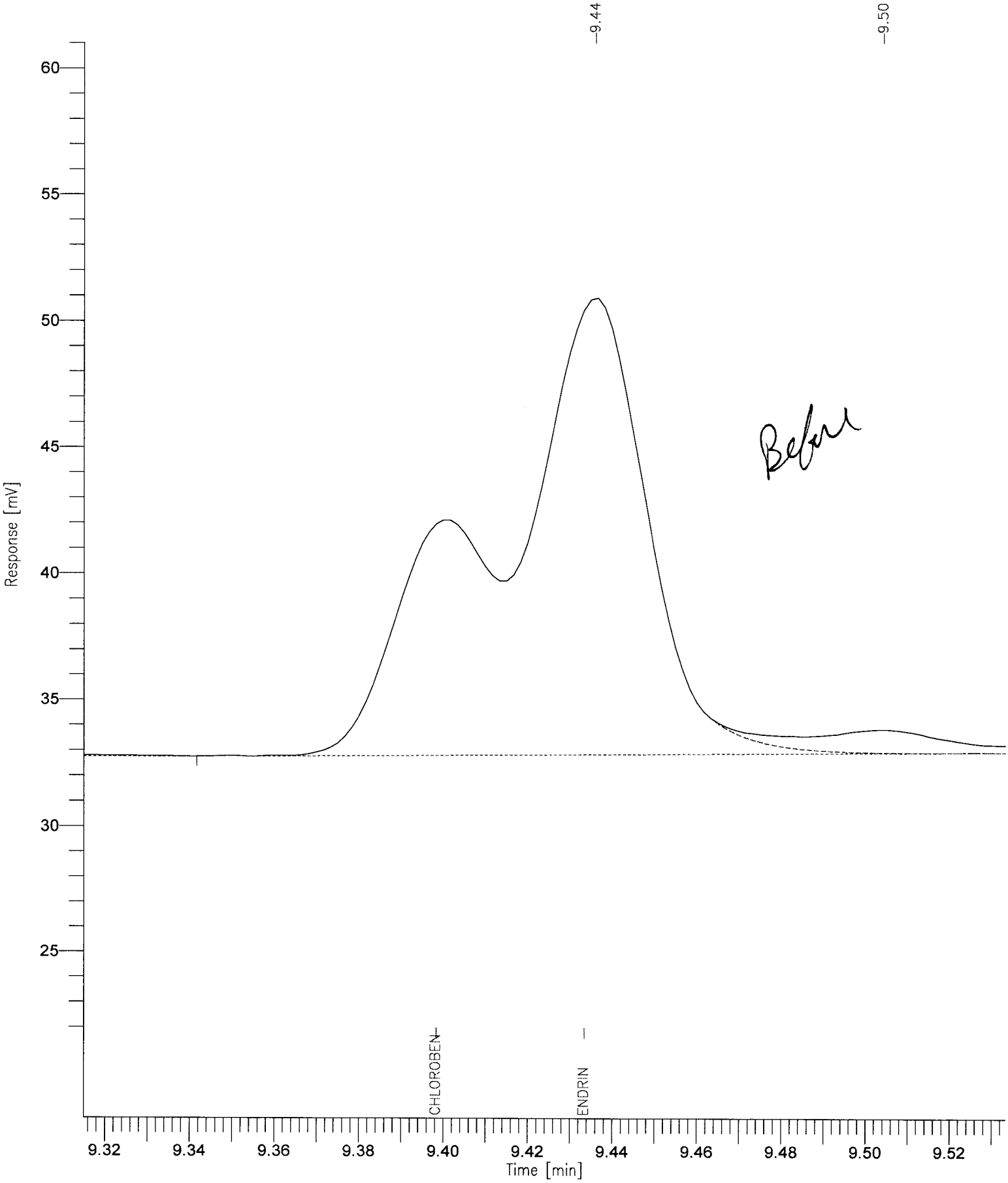
Sample #: AI2418 Page 1 of 1
Date : 4/20/2006 08:05 AM
Time of Injection: 4/19/2006 02:55 PM
Low Point : 21.98 mV High Point : 61.01 mV
Plot Scale: 39.0 mV



Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9002.RAW
Method :
Start Time : 9.32 min End Time : 9.53 min
Scale Factor: 0.0 Plot Offset: 22 mV

Sample #: AI2418 Page 1 of 1
Date : 4/20/2006 08:05 AM
Time of Injection: 4/19/2006 02:55 PM
Low Point : 21.98 mV High Point : 61.01 mV
Plot Scale: 39.0 mV



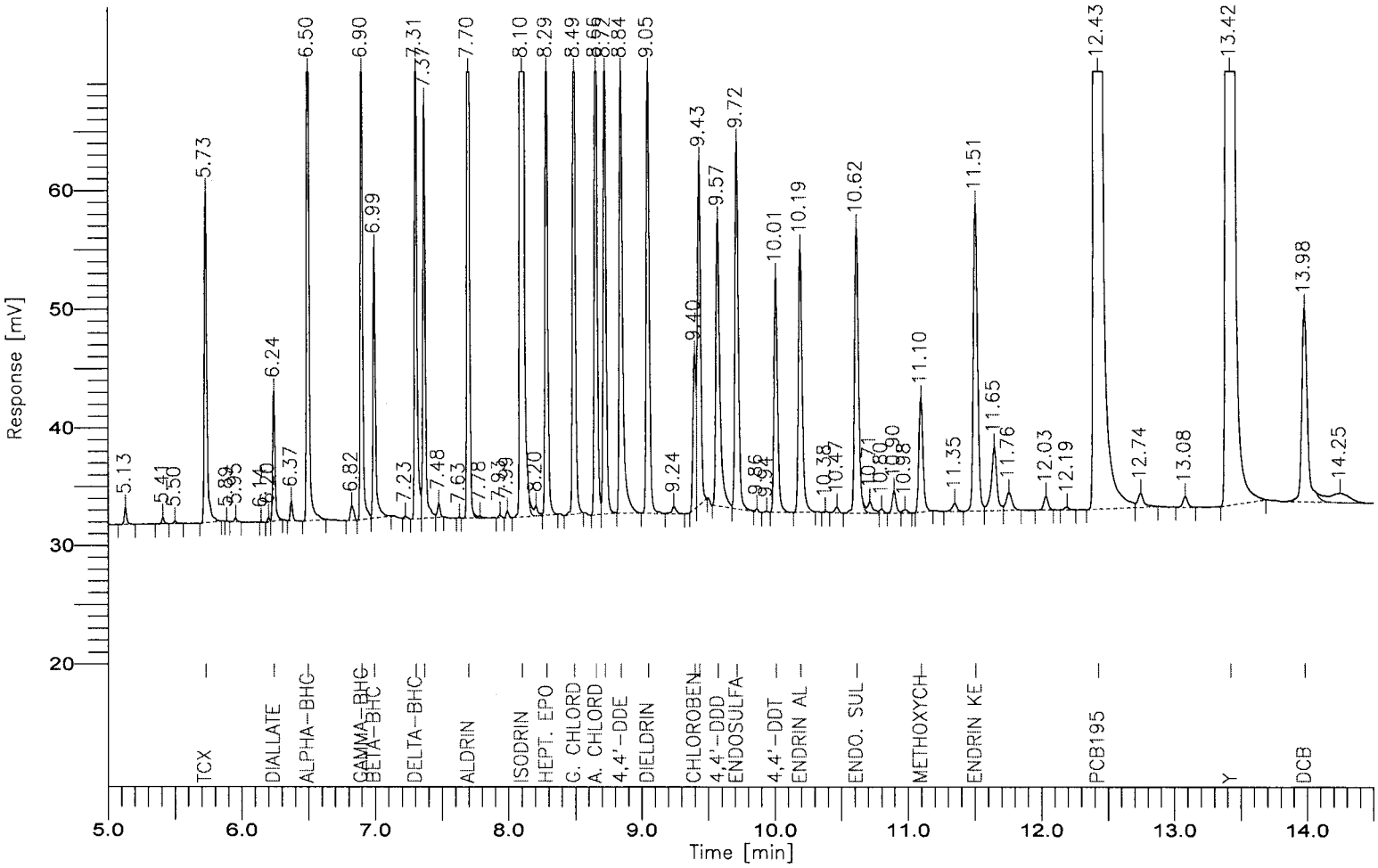
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:02 AM
Sample Number: AI2419 Study : ICAL 2
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 03:14 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9003.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9003.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9003.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.729	TCX	5.00	2.0e+02	5.00	37399	28078	0.006	TCX	0.0003	5.729	1	2.5	-----
6.240	Diallate	50.00	-------	50.00	13499	10978	0.003	Diallate	0.0002	6.240	1	-----	-----
6.496	ALPHA-BHC	10.00	-------	10.00	68122	56934	0.008	ALPHA-BHC	0.0005	6.495	1	-----	-----
6.899	GAMMA-BHC	10.00	-------	10.00	53256	45347	0.007	GAMMA-BHC	0.0005	6.898	1	-----	-----
6.993	BETA-BHC	10.00	-------	10.00	29044	22860	0.008	BETA-BHC	0.0006	6.993	1	-----	-----
7.305	DELTA-BHC	10.00	-------	10.00	54616	44718	0.010	DELTA-BHC	0.0007	7.304	1	-----	-----
7.368	HEPTACHLOR	10.00	-------	10.00	45150	35281	0.005	HEPTACHLOR	0.0004	7.367	1	-----	-----
7.698	ALDRIN	10.00	-------	10.00	78186	67085	0.005	ALDRIN	0.0004	7.698	1	-----	-----
8.102	ISODRIN	100.00	-------	100.00	597373	481992	0.022	ISODRIN	0.0018	8.100	1	-----	93.
8.286	HEPT. EPOXIDE	10.00	-------	10.00	57659	43301	0.012	HEPT. EPOXIDE	0.0010	8.285	1	-----	-----
8.492	G. CHLORDANE	10.00	-------	10.00	66850	47999	0.018	G. CHLORDANE	0.0015	8.490	1	-----	-----
8.656	A. CHLORDANE	10.00	-------	10.00	69236	49334	0.016	A. CHLORDANE	0.0013	8.655	1	-----	-----
8.723	ENDOSULFAN I	10.00	-------	10.00	58785	40155	0.015	ENDOSULFAN I	0.0013	8.722	1	-----	-----
8.844	4,4'-DDE	10.00	-------	10.00	67757	39672	0.025	4,4'-DDE	0.0022	8.842	1	-----	-----
9.048	DIELDRIN	10.00	-------	10.00	60839	38885	0.017	DIELDRIN	0.0016	9.046	1	-----	-----
9.399	Chlorobenzila	50.00	-------	50.00	20735	13066	0.030	Chlorobenzila	0.0029	9.396	1	-----	-----
9.433	ENDRIN	10.00	-------	10.00	49780	29093	0.019	ENDRIN	0.0018	9.432	1	-----	-----
9.572	4,4'-DDD	10.00	-------	10.00	49686	24206	0.030	4,4'-DDD	0.0029	9.569	1	-----	-----
9.715	ENDOSULFAN II	10.00	-------	10.00	55339	30995	0.027	ENDOSULFAN II	0.0026	9.712	1	-----	-----
10.009	4,4'-DDT	10.00	-------	10.00	36961	19938	0.031	4,4'-DDT	0.0031	10.006	1	-----	-----
10.193	ENDRIN ALDEHY	10.00	-------	10.00	44757	22374	0.022	ENDRIN ALDEHY	0.0023	10.191	1	-----	-----
10.615	ENDO. SULFATE	10.00	-------	10.00	50962	24124	0.028	ENDO. SULFATE	0.0029	10.612	1	-----	-----
11.097	METHOXYCHLOR	10.00	-------	10.00	20754	9637	0.035	METHOXYCHLOR	0.0038	11.093	1	-----	-----
11.506	ENDRIN KETONE	10.00	-------	10.00	57420	25938	0.019	ENDRIN KETONE	0.0022	11.504	1	-----	-----
12.427	PCB195	200.00	-------	200.00	1351243	567489	0.019	PCB195	0.0024	12.424	1	-----	-----
13.423	Y	200.00	-------	200.00	1163698	461387	0.015	Y	0.0020	13.421	1	-----	-----
13.982	DCB	5.00	2.0e+02	5.00	49240	16415	0.015	DCB	0.0021	13.980	1	2.5	-----
		810.00			4308346	2297284							

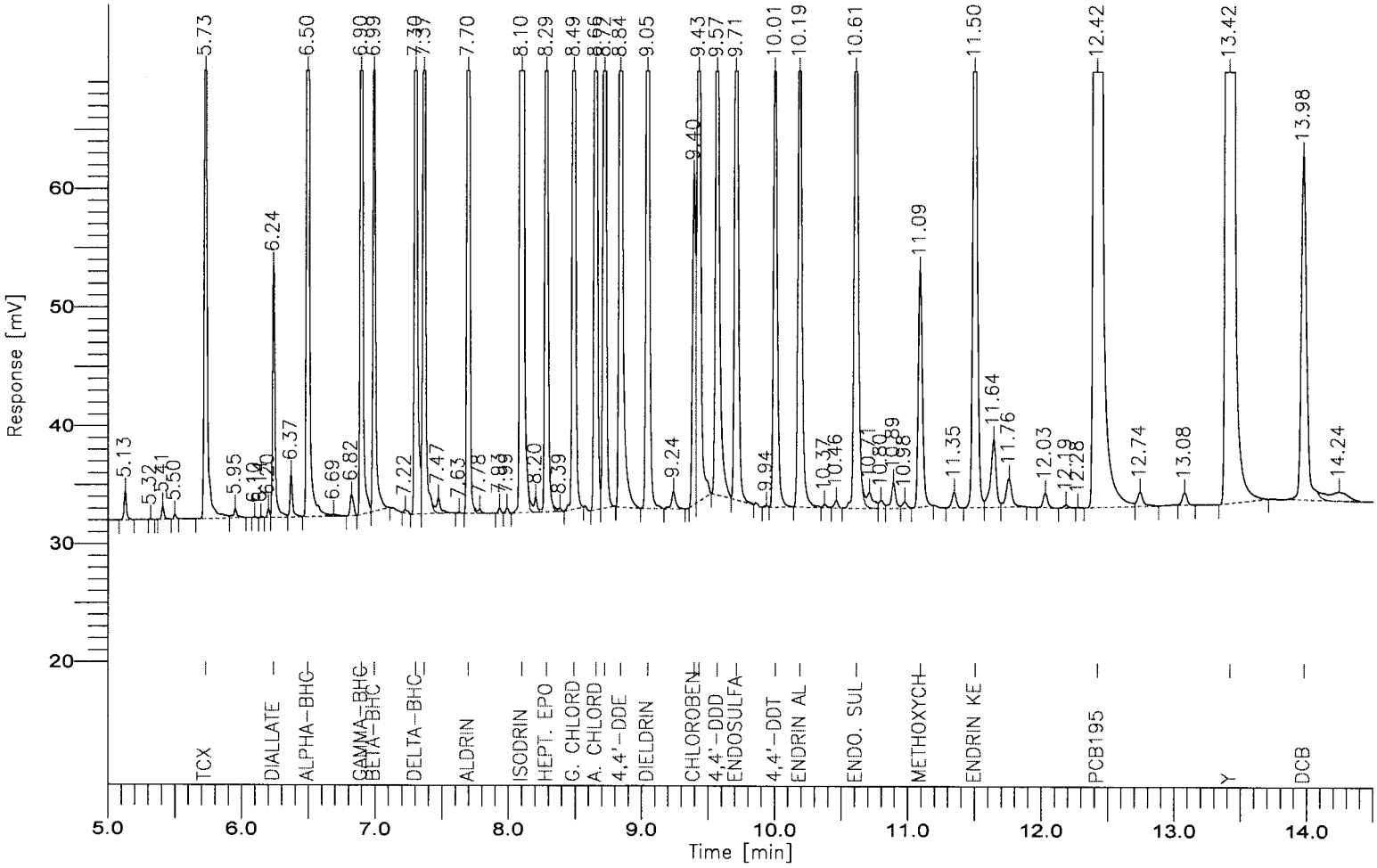
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/106 Time : 4/20/2006 09:02 AM
Sample Number: AI2420 Study : ICAL 3
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 03:34 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9004.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9004.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9004.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.729	TCX	10.00	2.0e+02	10.00	76340	55091	1e-15	TCX	-0.0000	5.729	1	5.0	-----
6.240	Diallate	100.00	-------	100.00	28086	21286	0.000	Diallate	-0.0000	6.240	1	-----	-----
6.495	ALPHA-BHC	20.00	-------	20.00	140466	118850	-9e-16	ALPHA-BHC	-0.0000	6.495	1	-----	-----
6.898	GAMMA-BHC	20.00	-------	20.00	109070	94844	4e-15	GAMMA-BHC	-0.0000	6.898	1	-----	-----
6.993	BETA-BHC	20.00	-------	20.00	57031	45460	6e-15	BETA-BHC	-0.0000	6.993	1	-----	-----
7.304	DELTA-BHC	20.00	-------	20.00	112530	92926	0.000	DELTA-BHC	-0.0000	7.304	1	-----	-----
7.367	HEPTACHLOR	20.00	-------	20.00	91845	71497	-2e-15	HEPTACHLOR	-0.0000	7.367	1	-----	-----
7.698	ALDRIN	20.00	-------	20.00	154630	134182	-5e-15	ALDRIN	-0.0000	7.698	1	-----	-----
8.100	ISODRIN	100.00	-------	100.00	629147	509544	6e-15	ISODRIN	-0.0000	8.100	1	-----	98.
8.285	HEPT. EPOXIDE	20.00	-------	20.00	115073	86418	0.000	HEPT. EPOXIDE	-0.0000	8.285	1	-----	-----
8.490	G. CHLORDANE	20.00	-------	20.00	135137	97462	7e-15	G. CHLORDANE	-0.0000	8.490	1	-----	-----
8.655	A. CHLORDANE	20.00	-------	20.00	139194	100963	-1e-15	A. CHLORDANE	-0.0000	8.655	1	-----	-----
8.722	ENDOSULFAN I	20.00	-------	20.00	117468	82880	8e-15	ENDOSULFAN I	-0.0000	8.722	1	-----	-----
8.842	4,4'-DDE	20.00	-------	20.00	137936	84107	5e-15	4,4'-DDE	-0.0000	8.842	1	-----	-----
9.046	DIELDRIN	20.00	-------	20.00	120724	78134	3e-15	DIELDRIN	-0.0000	9.046	1	-----	-----
9.396	Chlorobenzila	100.00	-------	100.00	45787	27970	3e-15	Chlorobenzila	-0.0000	9.396	1	-----	-----
9.432	ENDRIN	20.00	-------	20.00	105484	59742	0.000	ENDRIN	-0.0000	9.432	1	-----	-----
9.569	4,4'-DDD	20.00	-------	20.00	97089	49189	2e-15	4,4'-DDD	-0.0000	9.569	1	-----	-----
9.712	ENDOSULFAN II	20.00	-------	20.00	109295	62932	4e-15	ENDOSULFAN II	-0.0000	9.712	1	-----	-----
10.006	4,4'-DDT	20.00	-------	20.00	78216	41391	-7e-15	4,4'-DDT	-2e-15	10.006	1	-----	-----
10.191	ENDRIN ALDEHY	20.00	-------	20.00	88701	44944	-5e-15	ENDRIN ALDEHY	-0.0000	10.191	1	-----	-----
10.612	ENDO. SULFATE	20.00	-------	20.00	98734	47436	-6e-15	ENDO. SULFATE	-2e-15	10.612	1	-----	-----
11.093	METHOXYCHLOR	20.00	-------	20.00	43429	19992	1e-15	METHOXYCHLOR	-0.0000	11.093	1	-----	-----
11.504	ENDRIN KETONE	20.00	-------	20.00	109761	50872	-3e-15	ENDRIN KETONE	-0.0000	11.504	1	-----	-----
12.424	PCB195	200.00	-------	200.00	1400058	593947	3e-15	PCB195	-0.0000	12.424	1	-----	-----
13.421	Y	200.00	-------	200.00	1226515	492454	4e-15	Y	-0.0000	13.421	1	-----	-----
13.980	DCB	10.00	2.0e+02	10.00	83215	29056	-6e-15	DCB	-2e-15	13.980	1	5.0	-----
		1120.00			5650959	3193567							

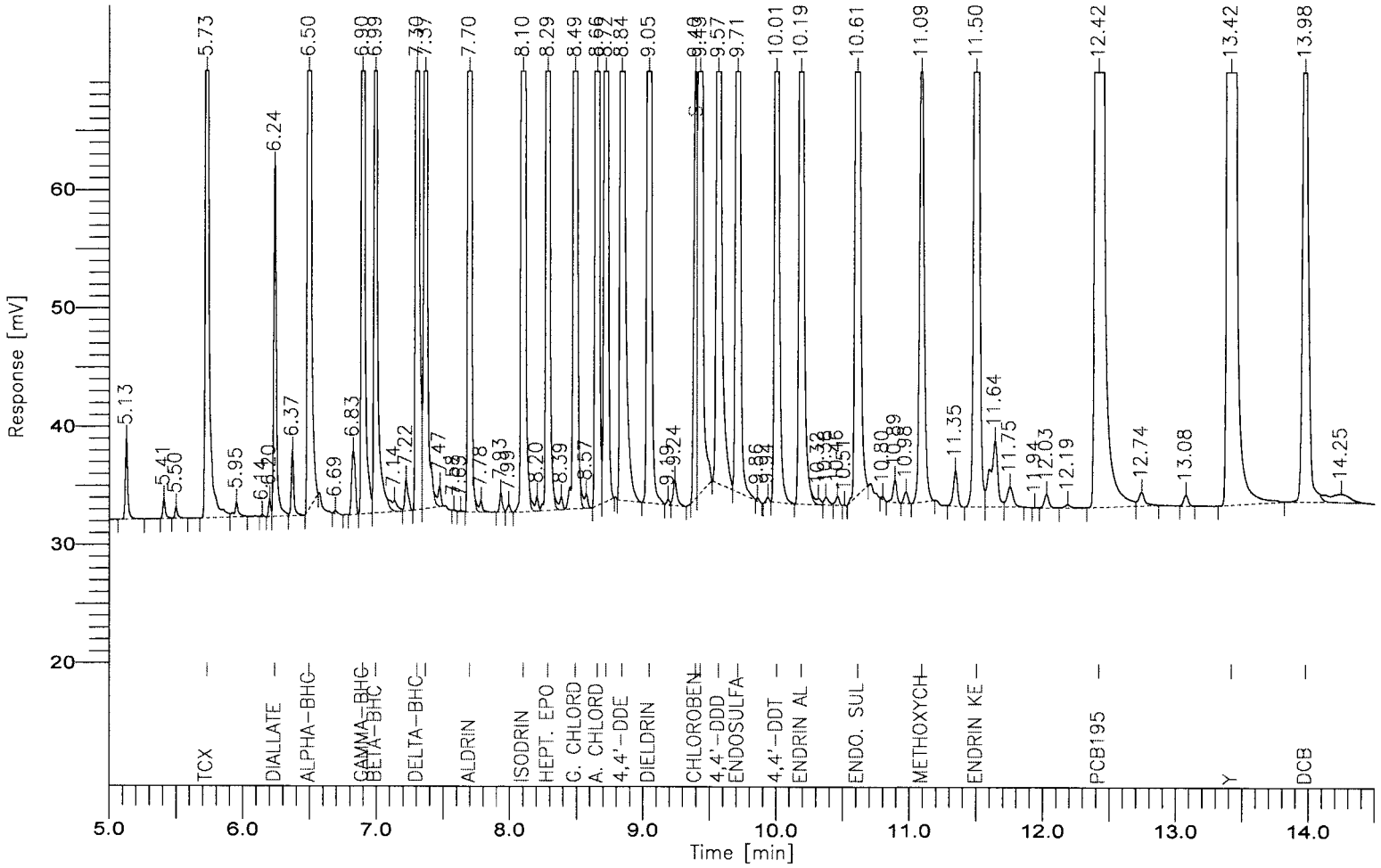
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:02 AM
Sample Number: AI2421 Study : ICAL 4
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 03:54 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9005.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9005.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9005.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

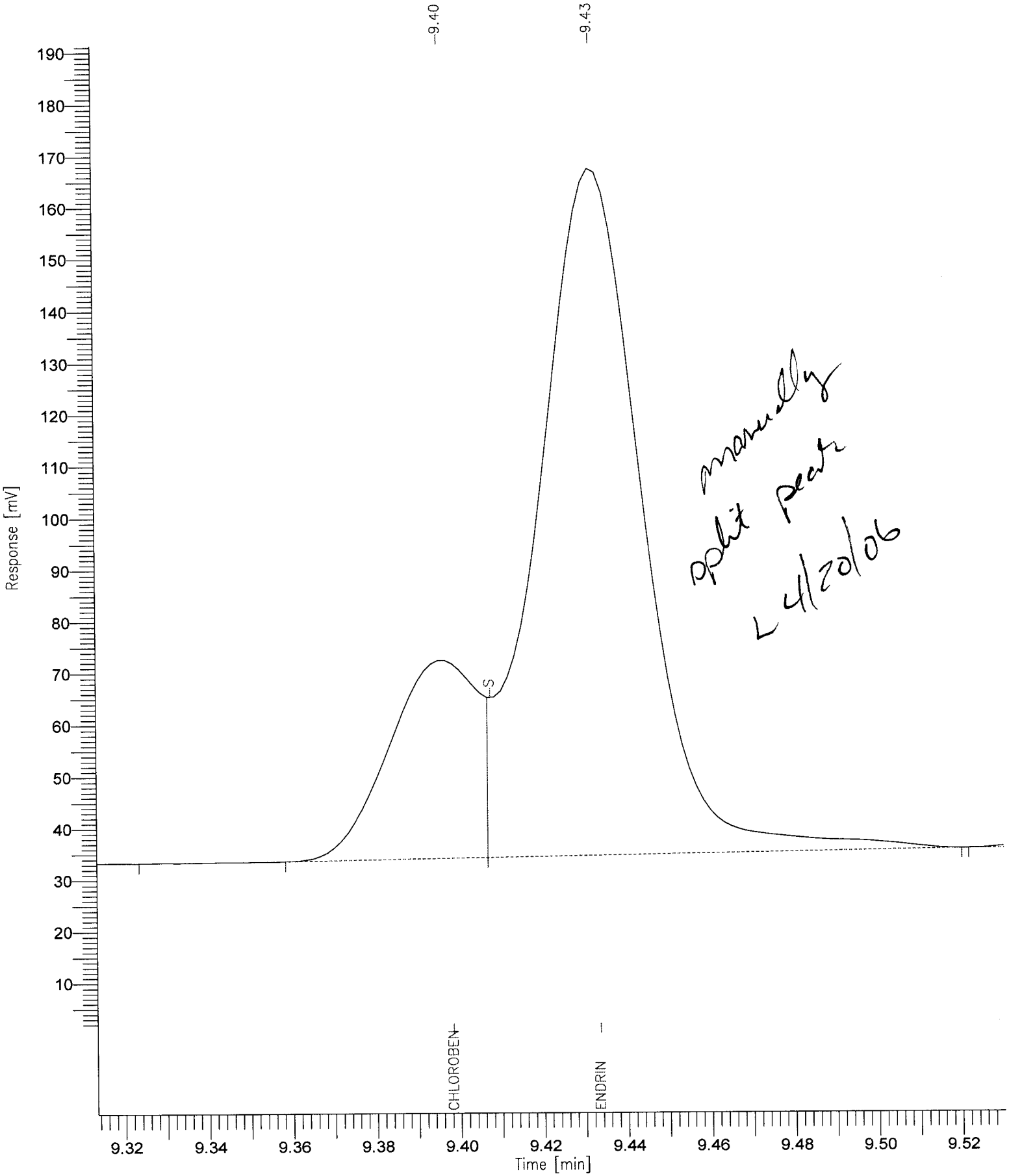
Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.728	TCX	20.00	2.0e+02	20.00	146437	105016	-0.006	TCX	-0.0004	5.729	1	10.0	-----
6.239	Diallate	150.00	-------	150.00	40728	29733	-0.006	Diallate	-0.0004	6.240	1	-----	-----
6.495	ALPHA-BHC	50.00	-------	50.00	333759	289032	0.002	ALPHA-BHC	0.0001	6.495	1	-----	-----
6.898	GAMMA-BHC	50.00	-------	50.00	260129	226716	0.000	GAMMA-BHC	7.9e-06	6.898	1	-----	-----
6.993	BETA-BHC	50.00	-------	50.00	136947	107006	-8e-05	BETA-BHC	-6e-06	6.993	1	-----	-----
7.304	DELTA-BHC	50.00	-------	50.00	267633	228913	-0.003	DELTA-BHC	-0.0002	7.304	1	-----	-----
7.367	HEPTACHLOR	50.00	-------	50.00	196849	156596	-0.003	HEPTACHLOR	-0.0003	7.367	1	-----	-----
7.697	ALDRIN	50.00	-------	50.00	369267	320331	-0.003	ALDRIN	-0.0002	7.698	1	-----	-----
8.100	ISODRIN	100.00	-------	100.00	611751	494222	0.004	ISODRIN	0.0003	8.100	1	-----	95.
8.285	HEPT. EPOXIDE	50.00	-------	50.00	266731	204558	-0.001	HEPT. EPOXIDE	-0.0001	8.285	1	-----	-----
8.491	G. CHLORDANE	50.00	-------	50.00	323358	238831	0.002	G. CHLORDANE	0.0001	8.490	1	-----	-----
8.655	A. CHLORDANE	50.00	-------	50.00	329686	244147	0.001	A. CHLORDANE	0.0001	8.655	1	-----	-----
8.722	ENDOSULFAN I	50.00	-------	50.00	276116	196515	-0.003	ENDOSULFAN I	-0.0002	8.722	1	-----	-----
8.842	4,4'-DDE	50.00	-------	50.00	326426	209922	-0.005	4,4'-DDE	-0.0004	8.842	1	-----	-----
9.046	DIELDRIN	50.00	-------	50.00	280232	180937	-0.001	DIELDRIN	-0.0001	9.046	1	-----	-----
9.396	Chlorobenzila	150.00	-------	150.00	57611	38356	0.001	Chlorobenzila	0.0001	9.396	1	-----	-----
9.432	ENDRIN	50.00	-------	50.00	228954	132953	0.006	ENDRIN	0.0005	9.432	1	-----	-----
9.568	4,4'-DDD	50.00	-------	50.00	209264	111314	-0.008	4,4'-DDD	-0.0008	9.569	1	-----	-----
9.713	ENDOSULFAN II	50.00	-------	50.00	245136	143279	0.009	ENDOSULFAN II	0.0008	9.712	1	-----	-----
10.006	4,4'-DDT	50.00	-------	50.00	168308	91550	-0.002	4,4'-DDT	-0.0002	10.006	1	-----	-----
10.191	ENDRIN ALDEHY	50.00	-------	50.00	197851	102851	-3e-05	ENDRIN ALDEHY	-3e-06	10.191	1	-----	-----
10.612	ENDO. SULFATE	50.00	-------	50.00	211296	105886	0.003	ENDO. SULFATE	0.0003	10.612	1	-----	-----
11.094	METHOXYCHLOR	50.00	-------	50.00	92559	41016	0.006	METHOXYCHLOR	0.0007	11.093	1	-----	-----
11.503	ENDRIN KETONE	50.00	-------	50.00	234899	108376	-0.007	ENDRIN KETONE	-0.0009	11.504	1	-----	-----
12.424	PCB195	200.00	-------	200.00	1333961	565473	-0.004	PCB195	-0.0005	12.424	1	-----	-----
13.422	Y	200.00	-------	200.00	1154460	455737	0.006	Y	0.0009	13.421	1	-----	-----
13.980	DCB	20.00	2.0e+02	20.00	137660	48374	0.004	DCB	0.0005	13.980	1	10.0	-----
		1840.00			8438007	5177643							

manually split peak
4/20/06

Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9005.RAW
Method :
Start Time : 9.31 min End Time : 9.53 min
Scale Factor: 0.0 Plot Offset: 2 mV

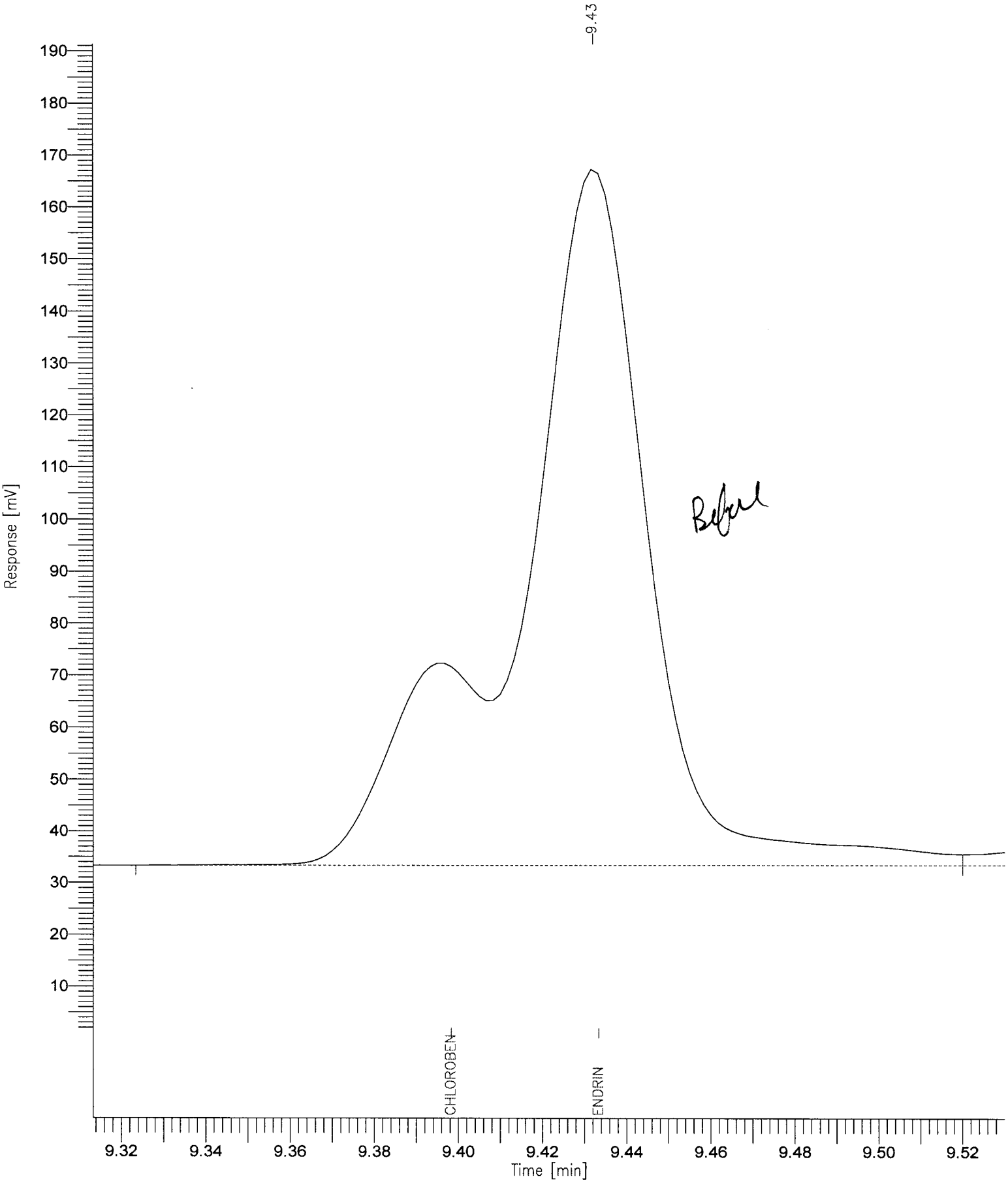
Sample #: AI2421 Page 1 of 1
Date : 4/20/2006 08:07 AM
Time of Injection: 4/19/2006 03:54 PM
Low Point : 1.88 mV High Point : 191.29 mV
Plot Scale: 189.4 mV



Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9005.RAW
Method :
Start Time : 9.31 min End Time : 9.53 min
Scale Factor: 0.0 Plot Offset: 2 mV

Sample #: AI2421 Page 1 of 1
Date : 4/20/2006 08:07 AM
Time of Injection: 4/19/2006 03:54 PM
Low Point : 1.88 mV High Point : 191.29 mV
Plot Scale: 189.4 mV



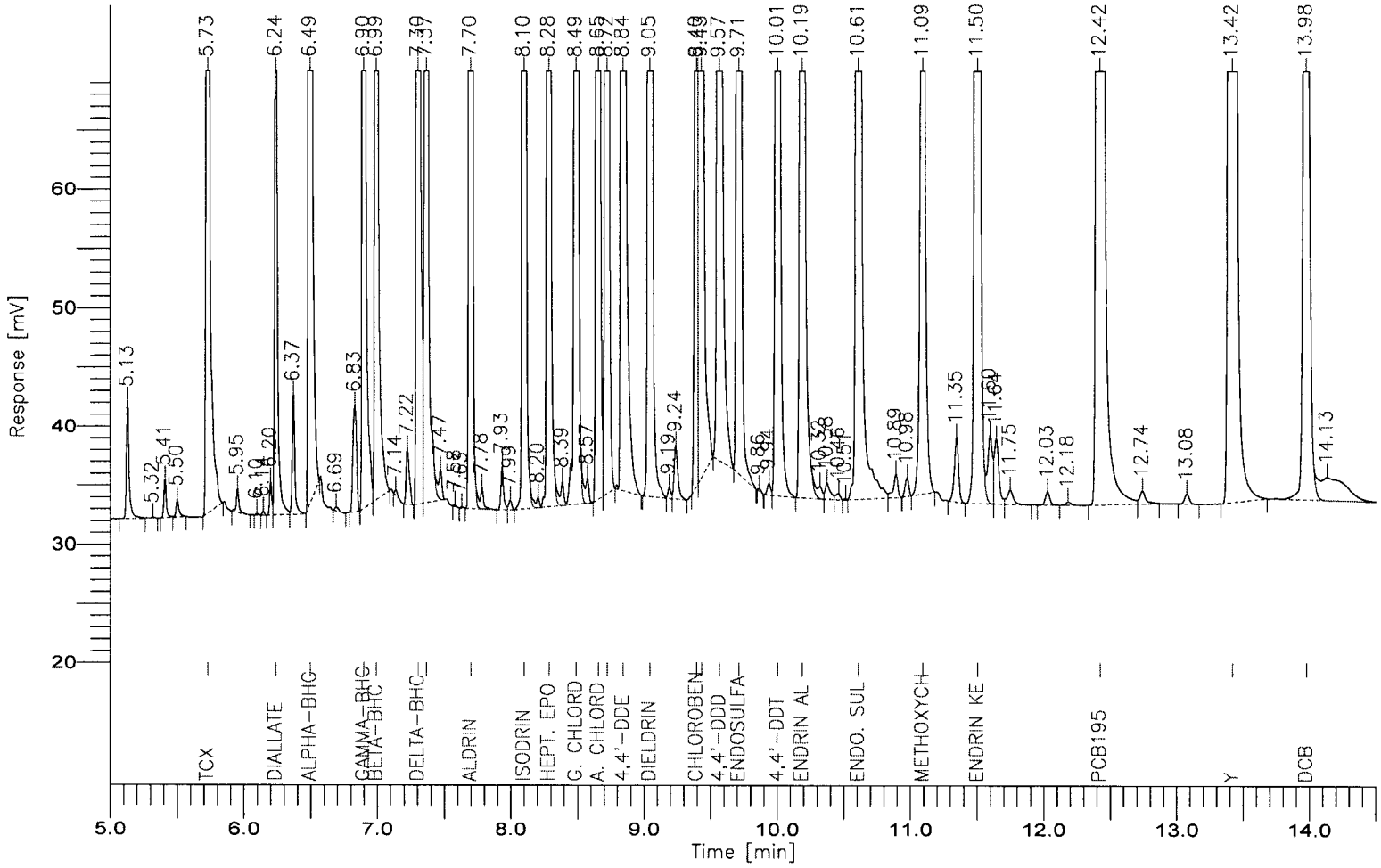
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:02 AM
Sample Number: AI2422 Study : ICAL 5
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 04:13 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9006.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9006.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9006.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

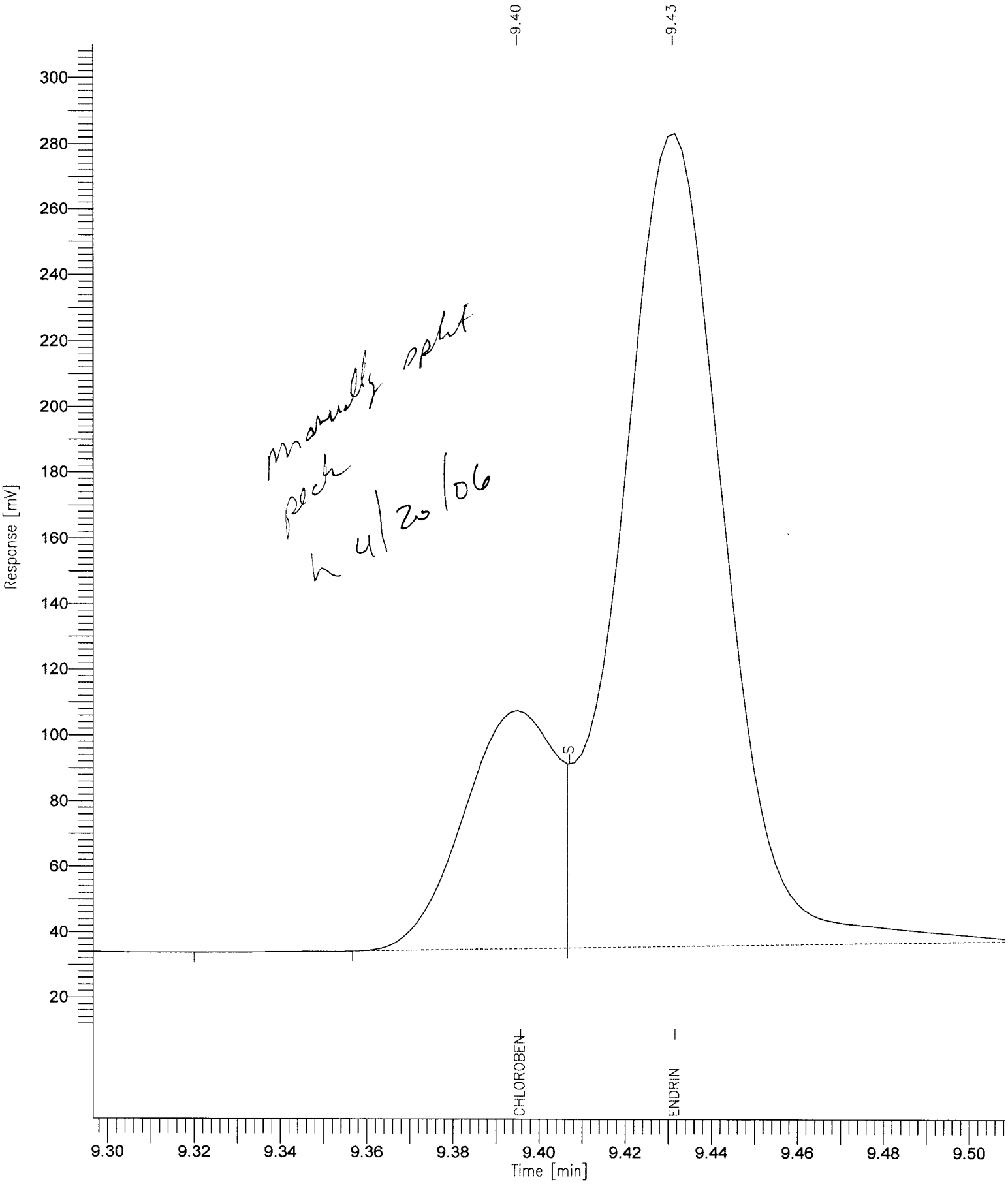
Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.728	TCX	40.00	2.0e+02	40.00	263290	204139	-0.022	TCX	-0.0013	5.729	1	20.0	-----
6.239	Diallate	300.00	-------	300.00	71529	53449	-0.016	Diallate	-0.0010	6.240	1	-----	-----
6.494	ALPHA-BHC	100.00	-------	100.00	643009	563422	-0.012	ALPHA-BHC	-0.0008	6.495	1	-----	-----
6.897	GAMMA-BHC	100.00	-------	100.00	498160	441441	-0.012	GAMMA-BHC	-0.0009	6.898	1	-----	-----
6.992	BETA-BHC	100.00	-------	100.00	242439	199853	-0.012	BETA-BHC	-0.0009	6.993	1	-----	-----
7.303	DELTA-BHC	100.00	-------	100.00	512343	442623	-0.013	DELTA-BHC	-0.0009	7.304	1	-----	-----
7.366	HEPTACHLOR	100.00	-------	100.00	369870	306021	-0.017	HEPTACHLOR	-0.0012	7.367	1	-----	-----
7.697	ALDRIN	100.00	-------	100.00	688764	598565	-0.010	ALDRIN	-0.0008	7.698	1	-----	-----
8.100	ISODRIN	100.00	-------	100.00	599907	483779	-0.001	ISODRIN	-0.0001	8.100	1	-----	93.
8.284	HEPT. EPOXIDE	100.00	-------	100.00	494460	386392	-0.005	HEPT. EPOXIDE	-0.0004	8.285	1	-----	-----
8.490	G. CHLORDANE	100.00	-------	100.00	605146	453824	-0.005	G. CHLORDANE	-0.0005	8.490	1	-----	-----
8.654	A. CHLORDANE	100.00	-------	100.00	614362	453970	-0.005	A. CHLORDANE	-0.0005	8.655	1	-----	-----
8.721	ENDOSULFAN I	100.00	-------	100.00	517054	371629	-0.011	ENDOSULFAN I	-0.0009	8.722	1	-----	-----
8.841	4,4'-DDE	100.00	-------	100.00	605863	399493	-0.014	4,4'-DDE	-0.0013	8.842	1	-----	-----
9.046	DIELDRIN	100.00	-------	100.00	516794	346434	-0.008	DIELDRIN	-0.0007	9.046	1	-----	-----
9.395	Chlorobenzila	300.00	-------	300.00	110870	72620	-0.008	Chlorobenzila	-0.0008	9.396	1	-----	-----
9.431	ENDRIN	100.00	-------	100.00	414060	247884	-0.005	ENDRIN	-0.0005	9.432	1	-----	-----
9.567	4,4'-DDD	100.00	-------	100.00	372596	208705	-0.020	4,4'-DDD	-0.0019	9.569	1	-----	-----
9.712	ENDOSULFAN II	100.00	-------	100.00	452849	274263	0.005	ENDOSULFAN II	0.0005	9.712	1	-----	-----
10.005	4,4'-DDT	100.00	-------	100.00	316085	173834	-0.007	4,4'-DDT	-0.0007	10.006	1	-----	-----
10.190	ENDRIN ALDEHY	100.00	-------	100.00	362096	190869	-0.008	ENDRIN ALDEHY	-0.0009	10.191	1	-----	-----
10.611	ENDO. SULFATE	100.00	-------	100.00	407696	197199	-0.012	ENDO. SULFATE	-0.0013	10.612	1	-----	-----
11.094	METHOXYCHLOR	100.00	-------	100.00	168711	75386	0.004	METHOXYCHLOR	0.0004	11.093	1	-----	-----
11.503	ENDRIN KETONE	100.00	-------	100.00	421979	201143	-0.007	ENDRIN KETONE	-0.0008	11.504	1	-----	-----
12.424	PCB195	200.00	-------	200.00	1251602	540288	-0.003	PCB195	-0.0003	12.424	1	-----	-----
13.420	Y	200.00	-------	200.00	1084627	426914	-0.008	Y	-0.0011	13.421	1	-----	-----
13.978	DCB	40.00	2.0e+02	40.00	231922	84636	-0.014	DCB	-0.0020	13.980	1	20.0	-----
		3180.00			12838082	8398774							

manually
split peak
4/20/06

Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9006.RAW
Method :
Start Time : 9.30 min End Time : 9.51 min
Scale Factor: 0.0 Plot Offset: 10 mV

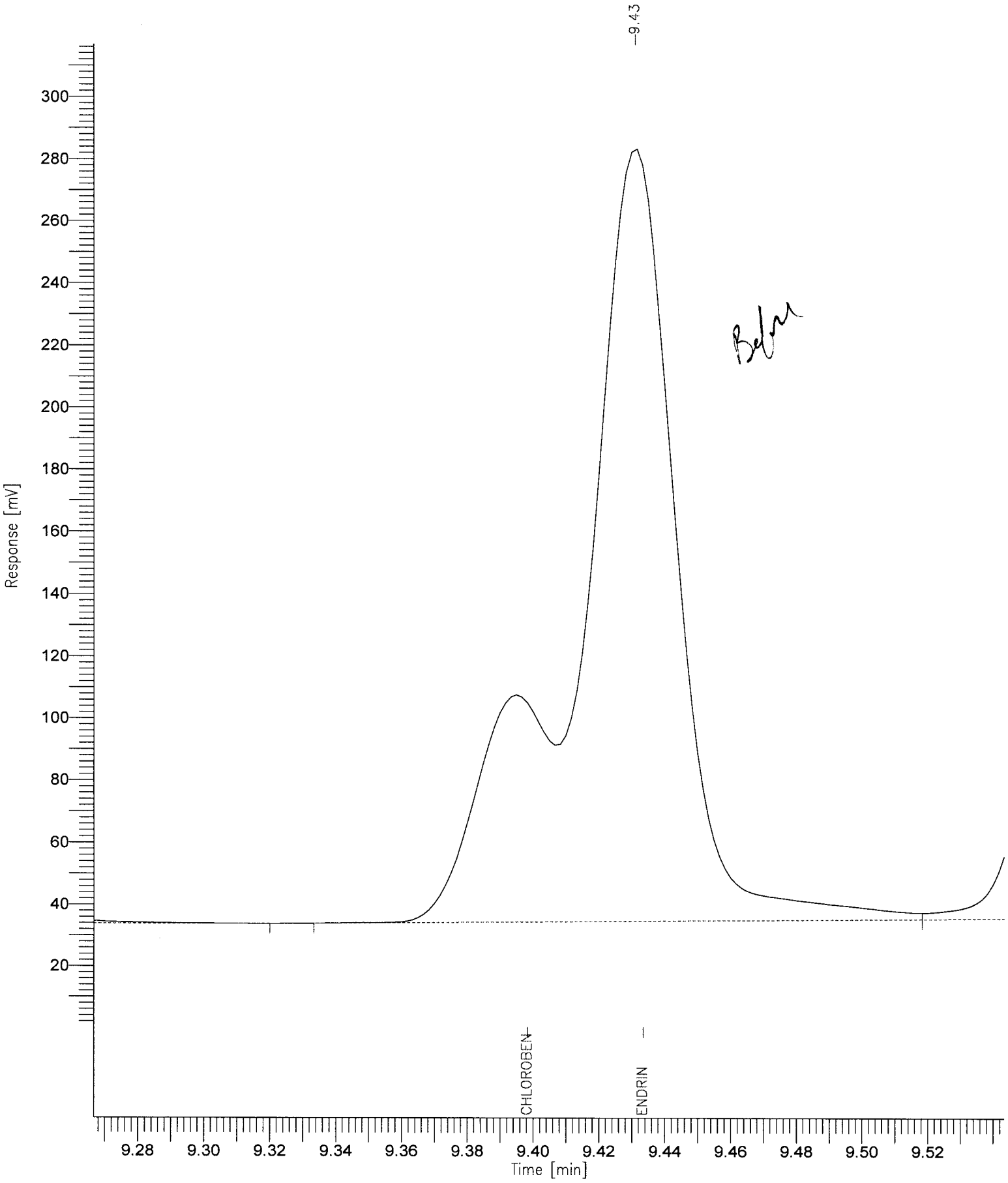
Sample #: AI2422 Page 1 of 1
Date : 4/20/2006 09:40 AM
Time of Injection: 4/19/2006 04:13 PM
Low Point : 10.38 mV High Point : 309.92 mV
Plot Scale: 299.5 mV



Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9006.RAW
Method :
Start Time : 9.27 min End Time : 9.54 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: AI2422 Page 1 of 1
Date : 4/20/2006 08:07 AM
Time of Injection: 4/19/2006 04:13 PM
Low Point : 0.14 mV High Point : 316.70 mV
Plot Scale: 316.6 mV



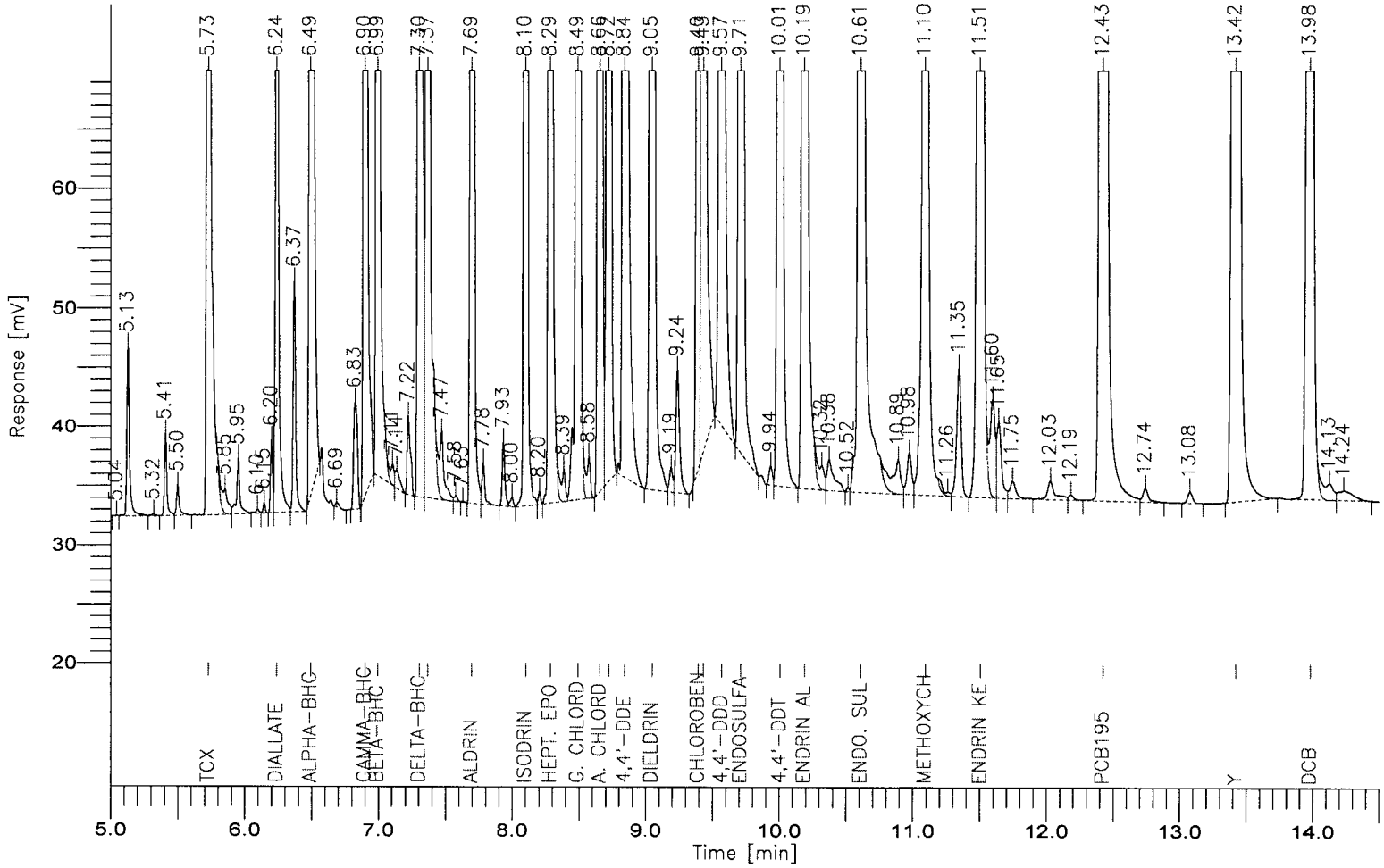
Software Version: 4.1<2F12>
Sample Name : PEST 4/19/06 Time : 4/20/2006 09:13 AM
Sample Number: AI2423 Study : ICAL 6
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 04:33 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9007.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9007.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9007.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.728	TCX	80.00	2.0e+02	80.00	544386	437306	-0.018	TCX	-0.0010	5.729	1	40.0	-----
6.240	Diallate	600.00	-------	600.00	135292	106072	-0.004	Diallate	-0.0003	6.240	1	-----	-----
6.491	ALPHA-BHC	163.06	------- + +	163.06*	1269191	984931	-0.066	ALPHA-BHC	-0.0043	6.495	1	-----	-----
6.899	GAMMA-BHC	200.00	------- +	200.00	1089939	966483	0.008	GAMMA-BHC	0.0005	6.898	1	-----	-----
6.993	BETA-BHC	200.00	-------	200.00	507800	445861	-0.000	BETA-BHC	-0.0000	6.993	1	-----	-----
7.304	DELTA-BHC	200.00	------- +	200.00*	1122717	968175	0.006	DELTA-BHC	0.0004	7.304	1	-----	-----
7.367	HEPTACHLOR	200.00	-------	200.00	815655	691651	-0.002	HEPTACHLOR	-0.0001	7.367	1	-----	-----
7.694	ALDRIN	154.90	------- + +	154.90*	1299204	978839	-0.043	ALDRIN	-0.0033	7.698	1	-----	-----
8.101	ISODRIN	100.00	-------	100.00	639997	519506	0.006	ISODRIN	0.0005	8.100	1	-----	100.
8.285	HEPT. EPOXIDE	200.00	-------	200.00	1038855	825375	0.003	HEPT. EPOXIDE	0.0003	8.285	1	-----	-----
8.492	G. CHLORDANE	200.00	-------	200.00	1260412	954276	0.013	G. CHLORDANE	0.0011	8.490	1	-----	-----
8.656	A. CHLORDANE	200.00	-------	200.00	1275292	960640	0.009	A. CHLORDANE	0.0007	8.655	1	-----	-----
8.722	ENDOSULFAN I	200.00	-------	200.00	1080632	787738	0.005	ENDOSULFAN I	0.0004	8.722	1	-----	-----
8.842	4,4'-DDE	200.00	-------	200.00	1268233	862201	0.002	4,4'-DDE	0.0002	8.842	1	-----	-----
9.048	DIELDRIN	200.00	-------	200.00	1072550	732117	0.013	DIELDRIN	0.0012	9.046	1	-----	-----
9.395	Chlorobenzila	600.00	-------	600.00	246101	162528	-0.005	Chlorobenzila	-0.0005	9.396	1	-----	-----
9.433	ENDRIN	200.00	-------	200.00	889130	546863	0.013	ENDRIN	0.0013	9.432	1	-----	-----
9.568	4,4'-DDD	200.00	-------	200.00	790808	472932	-0.014	4,4'-DDD	-0.0013	9.569	1	-----	-----
9.713	ENDOSULFAN II	200.00	-------	200.00	953406	581813	0.011	ENDOSULFAN II	0.0011	9.712	1	-----	-----
10.007	4,4'-DDT	200.00	-------	200.00	691137	397818	0.008	4,4'-DDT	0.0008	10.006	1	-----	-----
10.192	ENDRIN ALDEHY	200.00	-------	200.00	750814	412998	0.010	ENDRIN ALDEHY	0.0010	10.191	1	-----	-----
10.613	ENDO. SULFATE	200.00	-------	200.00	872924	439103	0.012	ENDO. SULFATE	0.0013	10.612	1	-----	-----
11.095	METHOXYCHLOR	200.00	-------	200.00	368023	161928	0.016	METHOXYCHLOR	0.0017	11.093	1	-----	-----
11.505	ENDRIN KETONE	200.00	-------	200.00	891615	429193	0.007	ENDRIN KETONE	0.0008	11.504	1	-----	-----
12.427	PCB195	200.00	-------	200.00	1382051	596386	0.017	PCB195	0.0021	12.424	1	-----	-----
13.423	Y	200.00	-------	200.00	1192704	478558	0.018	Y	0.0024	13.421	1	-----	-----
13.982	DCB	80.00	2.0e+02	80.00	448827	171276	0.015	DCB	0.0021	13.980	1	40.0	-----
		5777.97			23897695	2e+07							

* 6th level dropped due to calibration

[illegible] 4/20/06

Software Version: 4.1<2F12>
Sample Name : PEM
Sample Number: AI2387
Operator : Analyst

Time : 4/19/2006 02:35 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

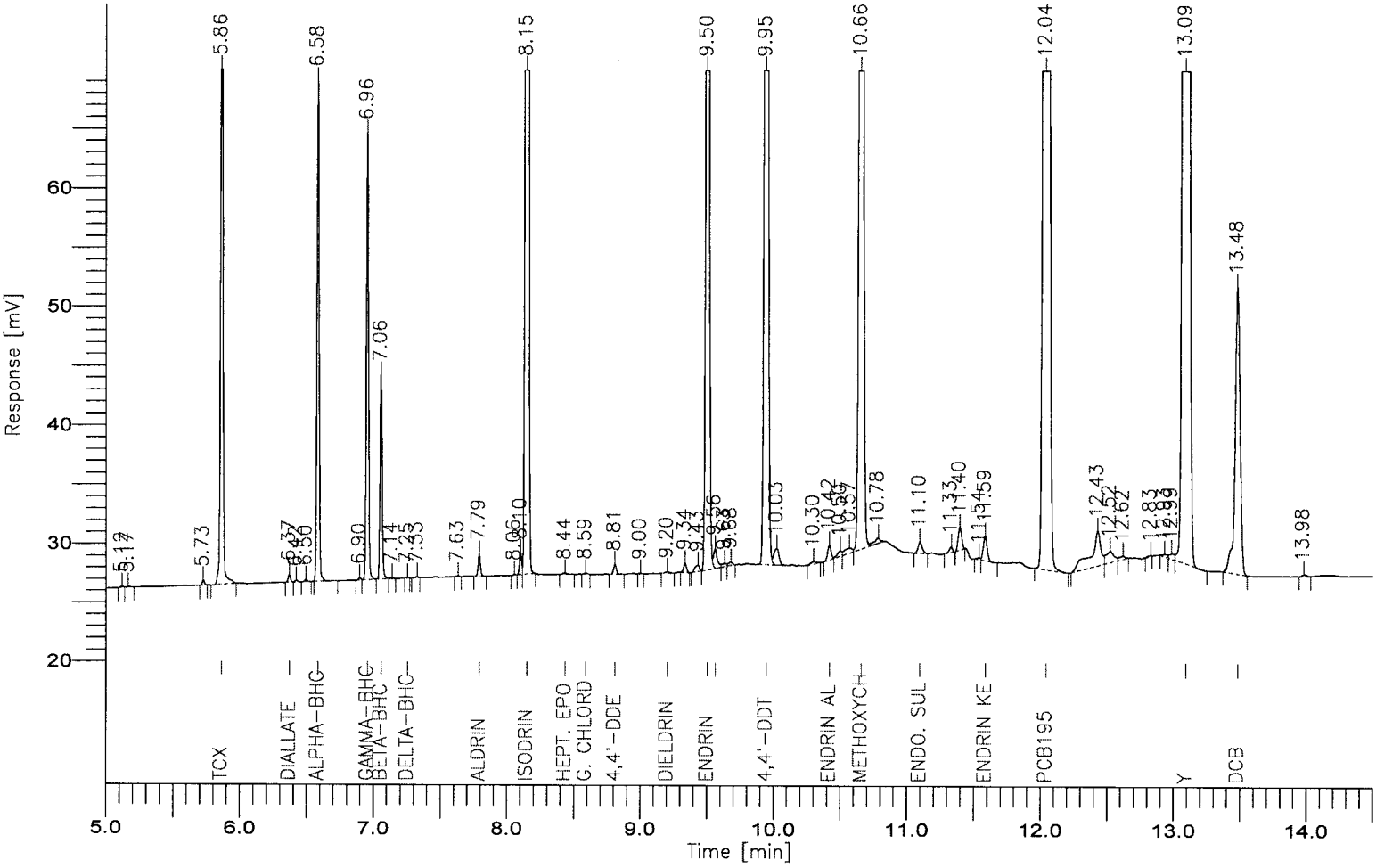
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 02:15 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9001.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9001.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9001.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D18S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.863	TCX	19.90	2.0e+02	19.90	70750	58910	0.145	TCX	0.0085	5.855	1	10.0	-----
6.371	Diallate	4.95	-------	4.95	806	664	-0.101	Diallate	-0.0064	6.377	1	-----	-----
6.584	ALPHA-BHC	9.24	-------	9.24	47439	42549	0.125	ALPHA-BHC	0.0082	6.576	1	-----	-----
6.955	GAMMA-BHC	10.85	-------	10.85	41650	37650	0.117	GAMMA-BHC	0.0081	6.947	1	-----	-----
7.057	BETA-BHC	10.68	-------	10.68	19409	17257	0.118	BETA-BHC	0.0083	7.049	1	-----	-----
7.254	DELTA-BHC	0.03	-------	0.03	118	101	0.113	DELTA-BHC	0.0082	7.246	1	-----	-----
7.468	HEPTACHLOR	0.00	-------	0.00	0	0	------	HEPTACHLOR	-------	------	1	-----	-----
7.791	ALDRIN	0.45	-------	0.45	2259	1885	0.103	ALDRIN	0.0080	7.783	1	-----	-----
8.149	ISODRIN	100.00	-------	100.00	439846	347456	0.104	ISODRIN	0.0085	8.140	1	-----	111.
8.435	HEPT. EPOXIDE	0.03	-------	0.03	273	95	-0.035	HEPT. EPOXIDE	-0.0029	8.438	1	-----	-----
8.588	G. CHLORDANE	0.04	-------	0.04	183	121	0.144	G. CHLORDANE	0.0124	8.576	1	-----	-----
8.728	A. CHLORDANE	0.00	-------	0.00	0	0	------	A. CHLORDANE	-------	------	1	-----	-----
8.810	4,4'-DDE	0.32	-------	0.32	1286	839	0.107	4,4'-DDE	0.0095	8.800	1	-----	-----
8.899	ENDOSULFAN I	0.00	-------	0.00	0	0	------	ENDOSULFAN I	-------	------	1	-----	-----
9.203	DIELDRIN	0.06	-------	0.06	355	143	0.124	DIELDRIN	0.0114	9.192	1	-----	-----
9.504	ENDRIN	53.09	-------	53.09	155787	97992	0.102	ENDRIN	0.0097	9.495	1	-----	-----
9.562	DDD & Chlorob	29.99	------- -	29.99	3101	1592	0.053	DDD & Chlorob	0.0051	9.556	1	-----	-----
9.799	ENDOSULFAN II	0.00	-------	0.00	0	0	------	ENDOSULFAN II	-------	------	1	-----	-----
9.945	4,4'-DDT	145.89	-------	145.89	233378	140556	0.099	4,4'-DDT	0.0098	9.935	1	-----	-----
10.419	ENDRIN ALDEHY	0.99	-------	0.99	2362	1282	0.120	ENDRIN ALDEHY	0.0125	10.407	1	-----	-----
10.657	METHOXYCHLOR	330.96	-------	330.96	242994	132240	0.099	METHOXYCHLOR	0.0105	10.646	1	-----	-----
11.099	ENDO. SULFATE	0.78	-------	0.78	2188	992	-0.017	ENDO. SULFATE	-0.0019	11.101	1	-----	-----
11.587	ENDRIN KETONE	1.48	-------	1.48	4069	2091	0.114	ENDRIN KETONE	0.0132	11.574	1	-----	-----
12.044	PCB195	200.00	-------	200.00	850304	397924	0.097	PCB195	0.0117	12.032	1	-----	-----
13.094	Y	200.00	-------	200.00	735272	305400	0.102	Y	0.0134	13.080	1	-----	-----
13.483	DCB	18.52	2.0e+02	18.52	63548	24188	0.102	DCB	0.0138	13.469	1	9.3	-----
		1138.26			2917379	1611927							

$$\text{Endrin} = \frac{3373}{101365} = 3.3\%$$

$$\text{DDT} = \frac{2431}{142987} = 1.7\%$$

Software Version: 4.1<2F12>
Sample Name : PEM
Sample Number: AI2387
Operator : Analyst

Time : 4/19/2006 02:35 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

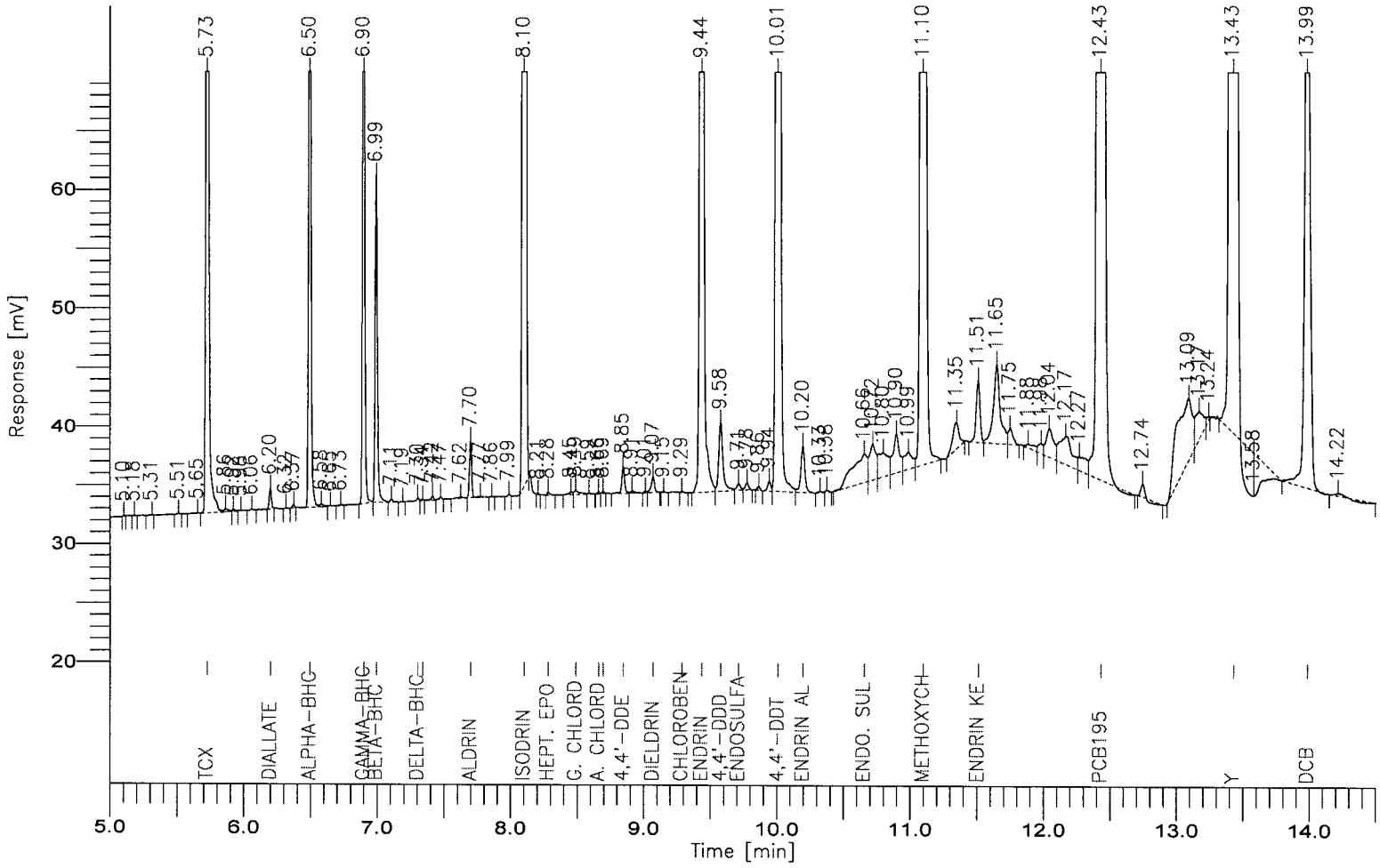
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 02:15 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9001.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9001.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9001.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D18T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.726	TCX	19.20	2.0e+02	19.20	149119	122263	-0.038	TCX	-0.0022	5.729	1	9.6	-----
6.199	Diallate	6.64	-------	6.64	1976	1752	-0.645	Diallate	-0.0402	6.240	1	-----	-----
6.495	ALPHA-BHC	9.78	-------	9.78	72192	63910	-0.010	ALPHA-BHC	-0.0007	6.495	1	-----	-----
6.898	GAMMA-BHC	11.48	-------	11.48	63506	56293	-0.001	GAMMA-BHC	-0.0001	6.898	1	-----	-----
6.993	BETA-BHC	11.50	-------	11.50	32685	27756	-0.007	BETA-BHC	-0.0005	6.993	1	-----	-----
7.304	DELTA-BHC	0.05	-------	0.05	441	264	0.005	DELTA-BHC	0.0004	7.304	1	-----	-----
7.340	HEPTACHLOR	0.04	-------	0.04	187	129	-0.375	HEPTACHLOR	-0.0276	7.368	1	-----	-----
7.699	ALDRIN	0.64	-------	0.64	5484	4875	0.009	ALDRIN	0.0007	7.698	1	-----	-----
8.102	ISODRIN	100.00	-------	100.00	686262	569685	0.015	ISODRIN	0.0012	8.101	1	-----	110.
8.282	HEPT. EPOXIDE	0.05	-------	0.05	368	215	-0.042	HEPT. EPOXIDE	-0.0035	8.285	1	-----	-----
8.489	G. CHLORDANE	0.07	-------	0.07	1113	362	-0.029	G. CHLORDANE	-0.0025	8.492	1	-----	-----
8.659	A. CHLORDANE	0.02	-------	0.02	174	132	0.042	A. CHLORDANE	0.0036	8.656	1	-----	-----
8.694	ENDOSULFAN I	0.04	-------	0.04	211	180	-0.338	ENDOSULFAN I	-0.0295	8.723	1	-----	-----
8.845	4,4'-DDE	0.48	-------	0.48	3542	2224	0.009	4,4'-DDE	0.0008	8.844	1	-----	-----
9.070	DIELDRIN	0.33	-------	0.33	2331	1360	0.247	DIELDRIN	0.0224	9.048	1	-----	-----
9.286	Chlorobenzila	0.35	-------	0.35	149	121	-1.192	Chlorobenzila	-0.1120	9.398	1	-----	-----
9.436	ENDRIN	48.76	-------	48.76	249318	154139	0.024	ENDRIN	0.0023	9.433	1	-----	-----
9.578	4,4'-DDD	2.32	-------	2.32	13021	5839	0.071	4,4'-DDD	0.0068	9.571	1	-----	-----
9.712	ENDOSULFAN II	0.18	-------	0.18	1180	575	-0.026	ENDOSULFAN II	-0.0025	9.715	1	-----	-----
10.010	4,4'-DDT	120.43	-------	120.43	433191	252787	0.018	4,4'-DDT	0.0018	10.008	1	-----	-----
10.197	ENDRIN ALDEHY	1.78	-------	1.78	8484	3917	0.037	ENDRIN ALDEHY	0.0038	10.193	1	-----	-----
10.655	ENDO. SULFATE	1.02	-------	1.02	19724	2424	0.386	ENDO. SULFATE	0.0410	10.614	1	-----	-----
11.098	METHOXYCHLOR	267.74	-------	267.74	505653	259076	0.013	METHOXYCHLOR	0.0015	11.097	1	-----	-----
11.509	ENDRIN KETONE	2.16	-------	2.16	10675	5218	0.026	ENDRIN KETONE	0.0030	11.506	1	-----	-----
12.431	PCB195	200.00	-------	200.00	1484074	660751	0.022	PCB195	0.0027	12.428	1	-----	-----
13.428	Y	200.00	-------	200.00	1230323	525291	0.027	Y	0.0037	13.424	1	-----	-----
13.986	DCB	20.79	2.0e+02	20.79	138418	51334	0.031	DCB	0.0043	13.982	1	10.4	-----
		1025.85			5113803	2772873							

Endrin = $\frac{9135}{163274}$ = 5.6%

DDT = $\frac{8063}{260850}$ = 3.1%

Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE
Sample Number: AI2429
Operator : Analyst

Time : 4/20/2006 09:27 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

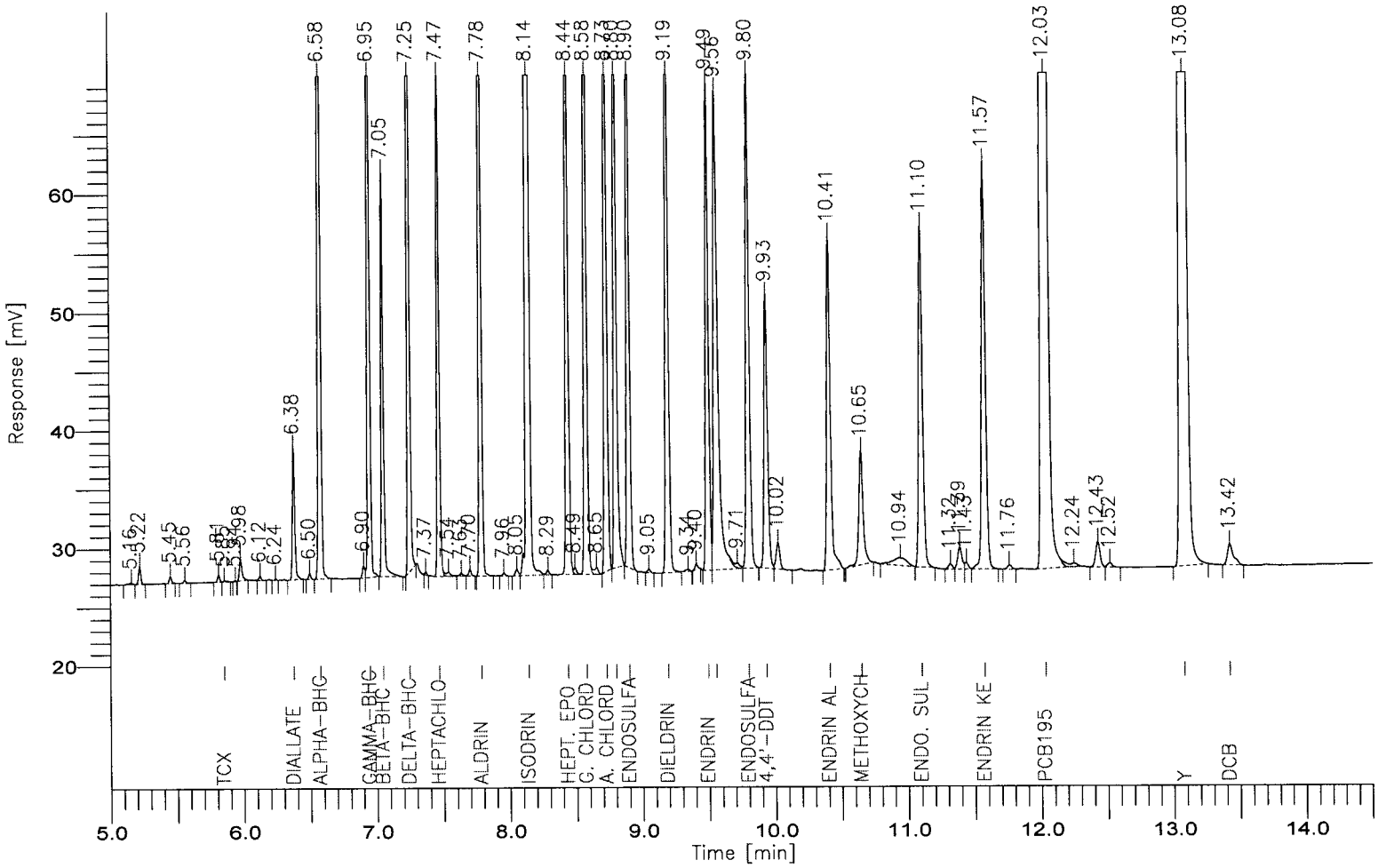
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 04:53 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9008.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9008.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9008.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.853	-0.0259	TCX	191	101	10.00000	0.03741	TCX	-99.6259	----------
6.377	-0.0140	Diallate	13559	11115	100.00000	90.75701	Diallate	-9.2430	----------
6.575	-0.0153	ALPHA-BHC	110662	97864	20.00000	22.93591	ALPHA-BHC	14.6796	----------
6.946	-0.0122	GAMMA-BHC	86824	77868	20.00000	22.46547	GAMMA-BHC	12.3273	----------
7.048	-0.0120	BETA-BHC	40432	34230	20.00000	22.61373	BETA-BHC	13.0687	----------
7.245	-0.0140	DELTA-BHC	87360	78967	20.00000	22.77749	DELTA-BHC	13.8875	----------
7.467	-0.0079	HEPTACHLOR	53774	45669	20.00000	22.32984	HEPTACHLOR	11.6492	----------
7.783	-0.0052	ALDRIN	100279	86196	20.00000	22.66371	ALDRIN	13.3186	----------
8.140	-0.0054	ISODRIN	395695	309733	0.00000	100.00000	ISODRIN	----------	99.7206
8.437	0.0016	HEPT. EPOXIDE	81046	61006	20.00000	22.82016	HEPT. EPOXIDE	14.1008	----------
8.575	-0.0019	G. CHLORDANE	89041	65074	20.00000	23.41223	G. CHLORDANE	17.0612	----------
8.728	0.0022	A. CHLORDANE	87532	63104	20.00000	22.78607	A. CHLORDANE	13.9303	----------
8.800	0.0034	4,4'-DDE	80794	54690	20.00000	22.42147	4,4'-DDE	12.1073	----------
8.898	-0.0036	ENDOSULFAN I	77791	54206	20.00000	23.06691	ENDOSULFAN I	15.3345	----------
9.191	-0.0003	DIELDRIN	81790	54150	20.00000	23.08901	DIELDRIN	15.4450	----------
9.494	0.0042	ENDRIN	64251	41314	20.00000	24.17703	ENDRIN	20.8851	----------
9.556	-0.0040	DDD & Chlorobe	93161	40589	120.00000	114.59732	DDD & Chlorobe	-4.5022	----------
9.798	0.0002	ENDOSULFAN II	72392	42613	20.00000	23.56844	ENDOSULFAN II	17.8422	----------
9.934	0.0012	4,4'-DDT	42425	23211	20.00000	22.90363	4,4'-DDT	14.5181	----------
10.406	0.0012	ENDRIN ALDEHYD	55428	28306	20.00000	22.43220	ENDRIN ALDEHYD	12.1610	----------
10.646	0.0130	METHOXYCHLOR	21663	9662	20.00000	22.97850	METHOXYCHLOR	14.8925	----------
11.100	0.0087	ENDO. SULFATE	58635	28858	20.00000	22.67873	ENDO. SULFATE	13.3937	----------
11.573	0.0007	ENDRIN KETONE	71258	34480	20.00000	23.84937	ENDRIN KETONE	19.2469	----------
12.031	0.0083	PCB195	814856	358163	0.00000	200.00000	PCB195	----------	----------
13.080	-0.0048	Y	701953	283112	0.00000	200.00000	Y	----------	----------
13.421	-0.3481	DCB	5519	1759	10.00000	1.42994	DCB	-85.7006	----------
			3388310	1986036				80.7778	99.7206

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9008.TX0

Surrogate not added

Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE
Sample Number: AI2429
Operator : Analyst

Time : 4/20/2006 09:27 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

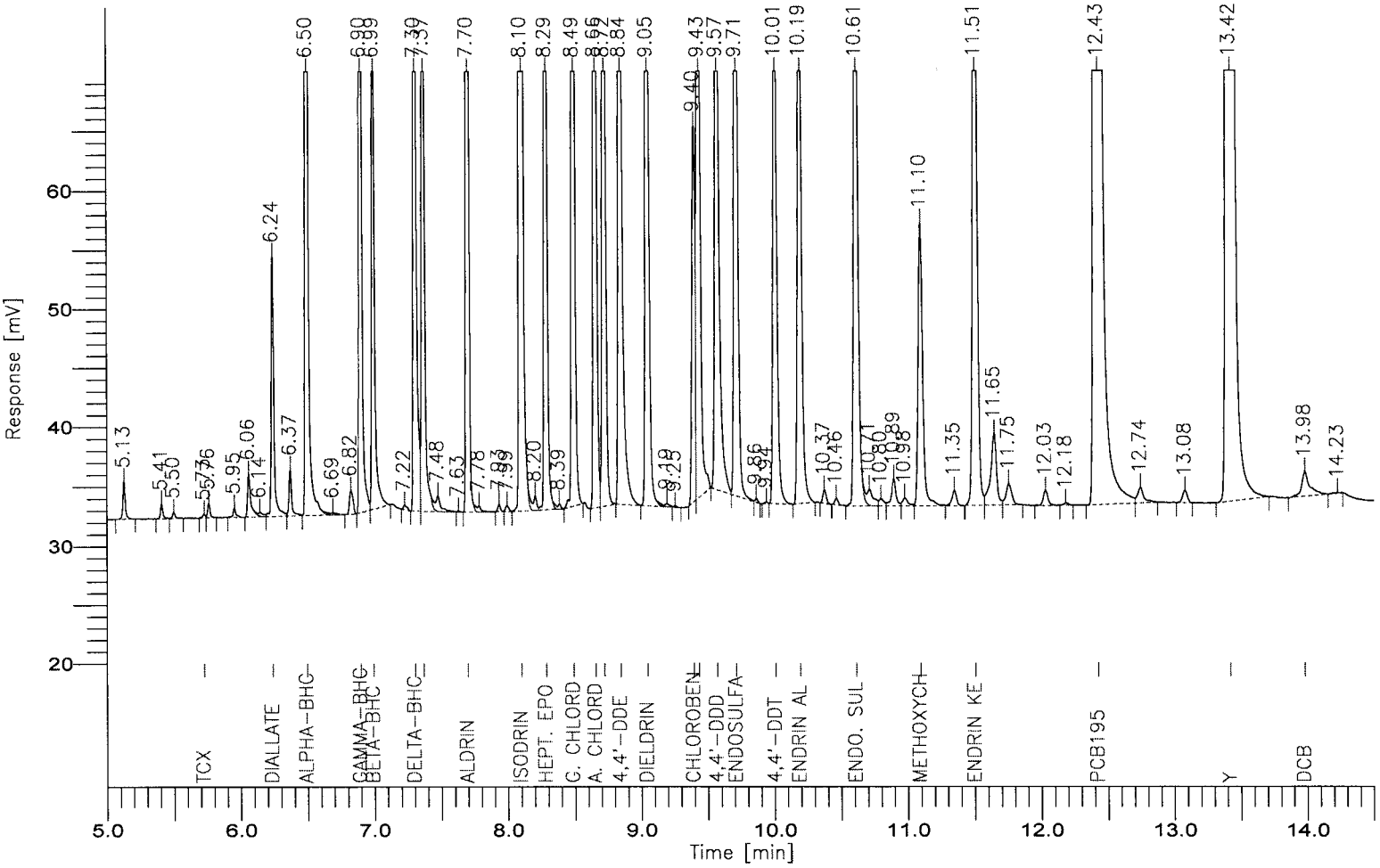
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 04:53 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9008.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9008.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9008.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.725	-0.0724	TCX	456	313	10.00000	0.05217	TCX	-99.4783	----------
6.239	-0.0129	Diallate	30249	22060	100.00000	103.87187	Diallate	3.8719	----------
6.495	-0.0073	ALPHA-BHC	176894	148923	20.00000	23.27926	ALPHA-BHC	16.3963	----------
6.898	-0.0043	GAMMA-BHC	136382	116980	20.00000	22.76020	GAMMA-BHC	13.8010	----------
6.993	-0.0019	BETA-BHC	71787	55987	20.00000	22.82576	BETA-BHC	14.1288	----------
7.303	-0.0052	DELTA-BHC	142228	117781	20.00000	23.32636	DELTA-BHC	16.6318	----------
7.367	-0.0056	HEPTACHLOR	109717	85878	20.00000	22.17240	HEPTACHLOR	10.8620	----------
7.697	-0.0005	ALDRIN	190363	162870	20.00000	22.27520	ALDRIN	11.3760	----------
8.101	0.0067	ISODRIN	671115	539307	0.00000	100.00000	ISODRIN	----------	104.1967
8.285	0.0006	HEPT. EPOXIDE	140495	106024	20.00000	22.74577	HEPT. EPOXIDE	13.7288	----------
8.491	0.0073	G. CHLORDANE	169928	122593	20.00000	23.25420	G. CHLORDANE	16.2710	----------
8.655	0.0019	A. CHLORDANE	170396	123350	20.00000	22.84950	A. CHLORDANE	14.2475	----------
8.722	0.0042	ENDOSULFAN I	146862	101687	20.00000	23.08680	ENDOSULFAN I	15.4340	----------
8.843	0.0054	4,4'-DDE	169977	104468	20.00000	22.86811	4,4'-DDE	14.3406	----------
9.047	0.0091	DIELDRIN	149613	95297	20.00000	22.90993	DIELDRIN	14.5497	----------
9.396	0.0034	Chlorobenzilat	51580	31739	100.00000	107.27941	Chlorobenzilat	7.2794	----------
9.433	0.0108	ENDRIN	131582	75219	20.00000	23.86509	ENDRIN	19.3255	----------
9.570	0.0087	4,4'-DDD	119621	61503	20.00000	22.82911	4,4'-DDD	14.1455	----------
9.713	0.0137	ENDOSULFAN II	136371	78024	20.00000	23.55245	ENDOSULFAN II	17.7623	----------
10.007	0.0096	4,4'-DDT	94933	50712	20.00000	22.89733	4,4'-DDT	14.4867	----------
10.192	0.0146	ENDRIN ALDEHYD	105958	54476	20.00000	22.47108	ENDRIN ALDEHYD	12.3554	----------
10.613	0.0125	ENDO. SULFATE	118764	56841	20.00000	22.53827	ENDO. SULFATE	12.6914	----------
11.095	0.0159	METHOXYCHLOR	55793	23945	20.00000	25.18517	METHOXYCHLOR	25.9259	----------
11.505	0.0064	ENDRIN KETONE	133463	61287	20.00000	22.99347	ENDRIN KETONE	14.9674	----------
12.426	0.0129	PCB195	1497347	633730	0.00000	200.00000	PCB195	----------	----------
13.421	0.0037	Y	1309897	521789	0.00000	200.00000	Y	----------	----------
13.981	0.0126	DCB	9062	2054	10.00000	-2.90047	DCB	-129.0047	----------
			6240834	3554838				86.0957	104.1967

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9008.TX0

STL Knoxville GC Pesticides Initial Calibration Data Review / Narrative Checklist
Method 8081A, SOP KNOX -GC-0014, Rev. 5
Page 1 of 1

Analysis Date:	4/21/06	**Instrument/File ID:**	D21S6W
2nd Source Verification Filename:	S#A9025.RST		

Review Items **A. Initial Calibration**	**Yes**	**No**	**N/A**	**2nd Level**	**If No, why is data reportable?**
1. Was the **breakdown** mix run and were DDT and endrin breakdowns **≤15%?**	✓			✓	
2. Were at least 5 levels analyzed? (6 levels required for 8081A quadratic fit)		✓		✓	6th level dropped due to Saturation
3. Were **all ICAL standards used** for calibration?	✓			✓	
4. Is low level standard concentration ≤ RL?	✓			✓	
5. Are all %RSDs < 20% or coefficient of determination [r^2] ≥ 0.990?	✓			✓	
6. Was each run checked for saturation?	✓			✓	
7. Is integration acceptable and are all manual integrations clearly identified, initialed, dated and reason given?	✓			✓	Reasons: 1) Corrected split peak; 2) Unresolved peak; 3) Tailing; 4) RT shift; 5) Wrong peak selected; 6) Other
8. Was ICAL method file processed using the correct result files? (Compare peak heights-areas in method file to heights-areas of calibration standards.)	✓			✓	
9. Is the 2nd source standard within +/- 35 % of the expected value? (+/- 20% for DOD QSM)	✓			✓	

Analyst: [illegible] **Date:** 4/22/06
Comments:

2nd Level Reviewer : [illegible] **Date:** 4/23/06
Comments:

Turbochrom Method File : K:\#GST\#MTHCALB\D21S6W.MTH
Created by : msp on : 4/22/2006 07:59 AM
Edited by : analyst on : 4/22/2006 09:48 AM
Description :

Number of Times Edited : 7
Number of Times Calibrated : 525

Global Information :

Default Sample Volume : 1.000 ul
Quantitation Units : ppb
Void Time : 0.000 min
Correct amounts during calibration : NO
Reject outliers during calibration : NO
An Internal Standard calibration will be used
Unknown peaks will use the response factor of the nearest component

Component Information :

TCX

Component Type : Single Peak Component
Retention Time : 5.853 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 10.000000
Value 2: 0.200000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	7698.57	6293.68	0.0220	0.0250	1
2	5.0000	14693.97	12433.70	0.0436	0.0500	1
3	10.0000	31526.29	25469.56	0.0837	0.1000	1
4	20.0000	64789.00	50468.32	0.1732	0.2000	1
5	40.0000	136126.60	111578.04	0.3667	0.4000	1
6	80.0000	273111.80	222568.18	0.7224	0.8000	1

Average Calibration Factor = 0.879350 (%RSD = 3.20)

Diallate

Component Type : Single Peak Component
Retention Time : 6.376 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Area ratio / Amount ratio)
User Values:
Label :
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	25.0000	3898.31	2866.79	0.0106	0.2500	1
2	50.0000	7169.61	5287.48	0.0196	0.5000	1
3	100.0000	14023.86	10712.37	0.0365	1.0000	1
4	150.0000	21564.08	16306.72	0.0586	1.5000	1
5	300.0000	43297.57	33478.22	0.1122	3.0000	1
6	600.0000	84237.31	64800.41	0.2152	6.0000	1

Average Calibration Factor = 0.038377 (%RSD = 6.05)

ALPHA-BHC

Component Type : Single Peak Component
Retention Time : 6.574 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	24504.00	21220.85	0.0742	0.0500	1
2	10.0000	44035.80	38664.24	0.1357	0.1000	1
3	20.0000	91803.60	80560.42	0.2648	0.2000	1
4	50.0000	243779.80	213840.06	0.7339	0.5000	1
5	100.0000	518681.60	454472.33	1.4937	1.0000	1
6	200.0000	1039373.40	895798.02	2.9075	2.0000	1

Average Calibration Factor = 1.430058 (%RSD = 4.99)

GAMMA-BHC

Component Type : Single Peak Component
Retention Time : 6.946 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	21108.99	18971.29	0.0663	0.0500	1
2	10.0000	35923.70	31498.92	0.1106	0.1000	1
3	20.0000	72317.50	65377.41	0.2149	0.2000	1
4	50.0000	193857.43	173305.01	0.5948	0.5000	1
5	100.0000	423417.05	381365.11	1.2534	1.0000	1
6	200.0000	851299.44	758965.25	2.4634	2.0000	1

Average Calibration Factor = 1.196902 (%RSD = 7.88)

BETA-BHC

Component Type : Single Peak Component
Retention Time : 7.048 min Search Window: 3.00 s, 0.00 %

Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	9475.40	8210.53	0.0287	0.0500	1
2	10.0000	16706.50	14195.71	0.0498	0.1000	1
3	20.0000	32827.60	28473.55	0.0936	0.2000	1
4	50.0000	85526.20	72413.40	0.2485	0.5000	1
5	100.0000	182287.80	156651.65	0.5149	1.0000	1
6	200.0000	355117.80	312208.99	1.0134	2.0000	1

Average Calibration Factor = 0.509828 (%RSD = 6.91)

DELTA-BHC
Component Type : Single Peak Component
Retention Time : 7.244 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	19943.40	17961.59	0.0628	0.0500	1
2	10.0000	34436.21	29785.44	0.1046	0.1000	1
3	20.0000	72647.73	63902.23	0.2101	0.2000	1
4	50.0000	194009.84	171789.10	0.5896	0.5000	1
5	100.0000	428758.34	380817.02	1.2516	1.0000	1
6	200.0000	864835.75	755739.21	2.4529	2.0000	1

Average Calibration Factor = 1.168162 (%RSD = 8.31)

HEPTACHLOR
Component Type : Single Peak Component
Retention Time : 7.467 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	14634.90	12529.16	0.0438	0.0500	1
2	10.0000	22142.50	18826.16	0.0661	0.1000	1
3	20.0000	43450.40	37106.88	0.1220	0.2000	1
4	50.0000	120767.91	102635.58	0.3522	0.5000	1
5	100.0000	293863.08	250296.41	0.8226	1.0000	1
6	200.0000	598477.35	514929.82	1.6713	2.0000	1

Average Calibration Factor = 0.751597 (%RSD = 14.35)

ALDRIN

Component Type : Single Peak Component
Retention Time : 7.782 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	22965.30	19465.19	0.0681	0.0500	1
2	10.0000	40092.50	34203.11	0.1201	0.1000	1
3	20.0000	82045.10	71002.57	0.2334	0.2000	1
4	50.0000	214015.00	183365.77	0.6293	0.5000	1
5	100.0000	447869.00	383973.25	1.2620	1.0000	1
6	200.0000	882838.30	734607.76	2.3843	2.0000	1

Average Calibration Factor = 1.240238 (%RSD = 5.66)

ISODRIN

Component Type : Single Peak Component
Retention Time : 8.139 min Search Window: 3.00 s, 0.05 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 304221.340000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	369167.41	286038.07	1.0000	1.0000	1
2	100.0000	365619.07	284854.18	1.0000	1.0000	1
3	100.0000	384430.18	304221.34	1.0000	1.0000	1
4	100.0000	368035.77	291385.15	1.0000	1.0000	1
5	100.0000	385844.52	304264.03	1.0000	1.0000	1
6	100.0000	391517.69	308095.68	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

HEPT. EPOXIDE

Component Type : Single Peak Component
Retention Time : 8.436 min Search Window: 3.00 s, 0.00 %
Reference Component:

Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	18367.30	13872.77	0.0485	0.0500	1
2	10.0000	31430.80	23587.22	0.0828	0.1000	1
3	20.0000	66863.58	50444.23	0.1658	0.2000	1
4	50.0000	173873.74	131686.54	0.4519	0.5000	1
5	100.0000	372364.43	281385.80	0.9248	1.0000	1
6	200.0000	735407.63	553376.29	1.7961	2.0000	1

Average Calibration Factor = 0.892307 (%RSD = 6.22)

G. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.574 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	19572.00	14106.97	0.0493	0.0500	1
2	10.0000	34643.10	24520.00	0.0861	0.1000	1
3	20.0000	71472.52	51587.19	0.1696	0.2000	1
4	50.0000	186987.06	136479.57	0.4684	0.5000	1
5	100.0000	399325.47	292591.26	0.9616	1.0000	1
6	200.0000	789702.87	573649.66	1.8619	2.0000	1

Average Calibration Factor = 0.920730 (%RSD = 6.00)

A. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.726 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates

1	5.0000	19943.39	13842.18	0.0484	0.0500	1
2	10.0000	34902.94	24407.85	0.0857	0.1000	1
3	20.0000	71863.90	51688.99	0.1699	0.2000	1
4	50.0000	186519.80	133316.73	0.4575	0.5000	1
5	100.0000	396258.20	286374.31	0.9412	1.0000	1
6	200.0000	781003.80	560703.49	1.8199	2.0000	1

Average Calibration Factor = 0.906741 (%RSD = 5.12)

4,4'-DDE

Component Type : Single Peak Component
Retention Time : 8.798 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	17366.38	10971.52	0.0384	0.0500	1
2	10.0000	31161.59	19189.20	0.0674	0.1000	1
3	20.0000	65439.98	42886.56	0.1410	0.2000	1
4	50.0000	172220.20	119528.29	0.4102	0.5000	1
5	100.0000	378696.60	260447.56	0.8560	1.0000	1
6	200.0000	751140.40	515597.35	1.6735	2.0000	1

Average Calibration Factor = 0.776467 (%RSD = 9.58)

ENDOSULFAN I

Component Type : Single Peak Component
Retention Time : 8.897 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	18106.10	12080.97	0.0422	0.0500	1
2	10.0000	31270.67	20700.09	0.0727	0.1000	1
3	20.0000	64854.02	44320.85	0.1457	0.2000	1
4	50.0000	165632.90	116349.35	0.3993	0.5000	1
5	100.0000	355120.80	242936.93	0.7984	1.0000	1
6	200.0000	702367.20	486946.12	1.5805	2.0000	1

Average Calibration Factor = 0.781187 (%RSD = 5.86)

DIELDRIN

Component Type : Single Peak Component
Retention Time : 9.190 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN

Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	17501.57	11349.68	0.0397	0.0500	1
2	10.0000	31160.20	20146.96	0.0707	0.1000	1
3	20.0000	65496.40	42832.15	0.1408	0.2000	1
4	50.0000	171475.23	112625.41	0.3865	0.5000	1
5	100.0000	368049.58	243751.39	0.8011	1.0000	1
6	200.0000	730230.35	478778.40	1.5540	2.0000	1

Average Calibration Factor = 0.759327 (%RSD = 5.65)

ENDRIN
Component Type : Single Peak Component
Retention Time : 9.492 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	13024.91	7994.29	0.0279	0.0500	1
2	10.0000	21617.45	13605.89	0.0478	0.1000	1
3	20.0000	47388.70	29749.40	0.0978	0.2000	1
4	50.0000	124020.09	78067.73	0.2679	0.5000	1
5	100.0000	287767.79	181606.04	0.5969	1.0000	1
6	200.0000	567372.87	357309.68	1.1597	2.0000	1

Average Calibration Factor = 0.539689 (%RSD = 8.96)

DDD & Chlorobenzilate
Component Type : Single Peak Component
Retention Time : 9.555 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Calibrating Height ratio versus Amount ratio using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 120.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	30.0000	19442.29	8056.51	0.0282	0.3000	1
2	60.0000	33220.55	13733.15	0.0482	0.6000	1
3	120.0000	74879.90	30424.40	0.1000	1.2000	1
4	200.0000	159448.26	74612.02	0.2561	2.0000	1
5	400.0000	353236.41	169795.47	0.5581	4.0000	1
6	800.0000	687565.86	344526.84	1.1182	8.0000	1

Calibration Curve : y = (-0.037589) + (0.144986)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.997668

ENDOSULFAN II

Component Type : Single Peak Component
Retention Time : 9.797 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	15499.40	8776.89	0.0307	0.0500	1
2	10.0000	27258.10	15712.64	0.0552	0.1000	1
3	20.0000	58598.50	34060.81	0.1120	0.2000	1
4	50.0000	144428.67	85382.80	0.2930	0.5000	1
5	100.0000	316082.13	188682.14	0.6201	1.0000	1
6	200.0000	623396.57	368255.23	1.1953	2.0000	1

Average Calibration Factor = 0.588150 (%RSD = 4.75)

4,4'-DDT

Component Type : Single Peak Component
Retention Time : 9.932 min Search Window: 3.06 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	9636.87	5139.04	0.0180	0.0500	1
2	10.0000	15154.75	8013.34	0.0281	0.1000	1
3	20.0000	33326.68	18476.65	0.0607	0.2000	1
4	50.0000	87581.40	48410.58	0.1661	0.5000	1
5	100.0000	211440.60	122780.35	0.4035	1.0000	1
6	200.0000	428960.70	250166.90	0.8120	2.0000	1

Average Calibration Factor = 0.347685 (%RSD = 14.80)

ENDRIN ALDEHYDE

Component Type : Single Peak Component
Retention Time : 10.404 min Search Window: 3.84 s, 0.00 %
Reference Component:

Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	13799.80	7039.96	0.0246	0.0500	1
2	10.0000	20530.80	10894.94	0.0382	0.1000	1
3	20.0000	46484.77	23720.07	0.0780	0.2000	1
4	50.0000	112441.40	61439.61	0.2109	0.5000	1
5	100.0000	252385.20	136927.96	0.4500	1.0000	1
6	200.0000	501996.13	275515.91	0.8943	2.0000	1

Average Calibration Factor = 0.430571 (%RSD = 9.58)

METHOXYCHLOR
Component Type : Single Peak Component
Retention Time : 10.644 min Search Window: 4.02 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 875.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	6086.90	2465.69	0.0086	0.0500	1
2	10.0000	8504.30	3429.21	0.0120	0.1000	1
3	20.0000	18051.02	7231.93	0.0238	0.2000	1
4	50.0000	40034.59	17860.09	0.0613	0.5000	1
5	100.0000	90175.23	43395.63	0.1426	1.0000	1
6	200.0000	176253.90	86907.96	0.2821	2.0000	1

Average Calibration Factor = 0.136317 (%RSD = 15.07)

ENDO. SULFATE
Component Type : Single Peak Component
Retention Time : 11.097 min Search Window: 4.32 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates

1	5.0000	12612.85	6120.06	0.0214	0.0500	1
2	10.0000	22040.76	10742.89	0.0377	0.1000	1
3	20.0000	48855.11	23431.71	0.0770	0.2000	1
4	50.0000	121225.39	59834.77	0.2053	0.5000	1
5	100.0000	272526.20	137134.99	0.4507	1.0000	1
6	200.0000	540417.21	266720.85	0.8657	2.0000	1

Average Calibration Factor = 0.414070 (%RSD = 6.92)

ENDRIN KETONE

Component Type : Single Peak Component
Retention Time : 11.571 min Search Window: 5.22 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	17473.16	7557.95	0.0264	0.0500	1
2	10.0000	27729.20	13041.68	0.0458	0.1000	1
3	20.0000	59638.81	28087.81	0.0923	0.2000	1
4	50.0000	143984.20	69658.90	0.2391	0.5000	1
5	100.0000	317203.49	152507.64	0.5012	1.0000	1
6	200.0000	616371.33	302680.23	0.9824	2.0000	1

Average Calibration Factor = 0.486416 (%RSD = 5.45)

PCB195

Component Type : Single Peak Component
Retention Time : 12.029 min Search Window: 5.40 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	684202.80	301583.30	1.0000	1.0000	1
2	200.0000	667775.80	289935.53	1.0000	1.0000	1
3	200.0000	748794.10	333211.37	1.0000	1.0000	1
4	200.0000	671212.60	293312.90	1.0000	1.0000	1
5	200.0000	724922.60	319436.62	1.0000	1.0000	1
6	200.0000	706651.60	317438.24	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

Y

Component Type : Single Peak Component
Retention Time : 13.078 min Search Window: 4.32 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :

Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	579962.20	235792.04	1.0000	1.0000	1
2	200.0000	562701.70	226224.81	1.0000	1.0000	1
3	200.0000	637325.40	256411.39	1.0000	1.0000	1
4	200.0000	566725.60	229695.11	1.0000	1.0000	1
5	200.0000	613947.60	249862.62	1.0000	1.0000	1
6	200.0000	594887.10	242061.99	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

DCB
Component Type : Single Peak Component
Retention Time : 13.466 min Search Window: 3.54 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 10.000000
Value 2: 0.200000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	8198.56	3112.30	0.0109	0.0250	1
2	5.0000	16739.10	5185.05	0.0182	0.0500	1
3	10.0000	31668.50	11127.43	0.0366	0.1000	1
4	20.0000	54499.80	20320.47	0.0697	0.2000	1
5	40.0000	110011.20	42462.20	0.1396	0.4000	1
6	80.0000	201805.80	79792.72	0.2590	0.8000	1

Average Calibration Factor = 0.364393 (%RSD = 10.38)

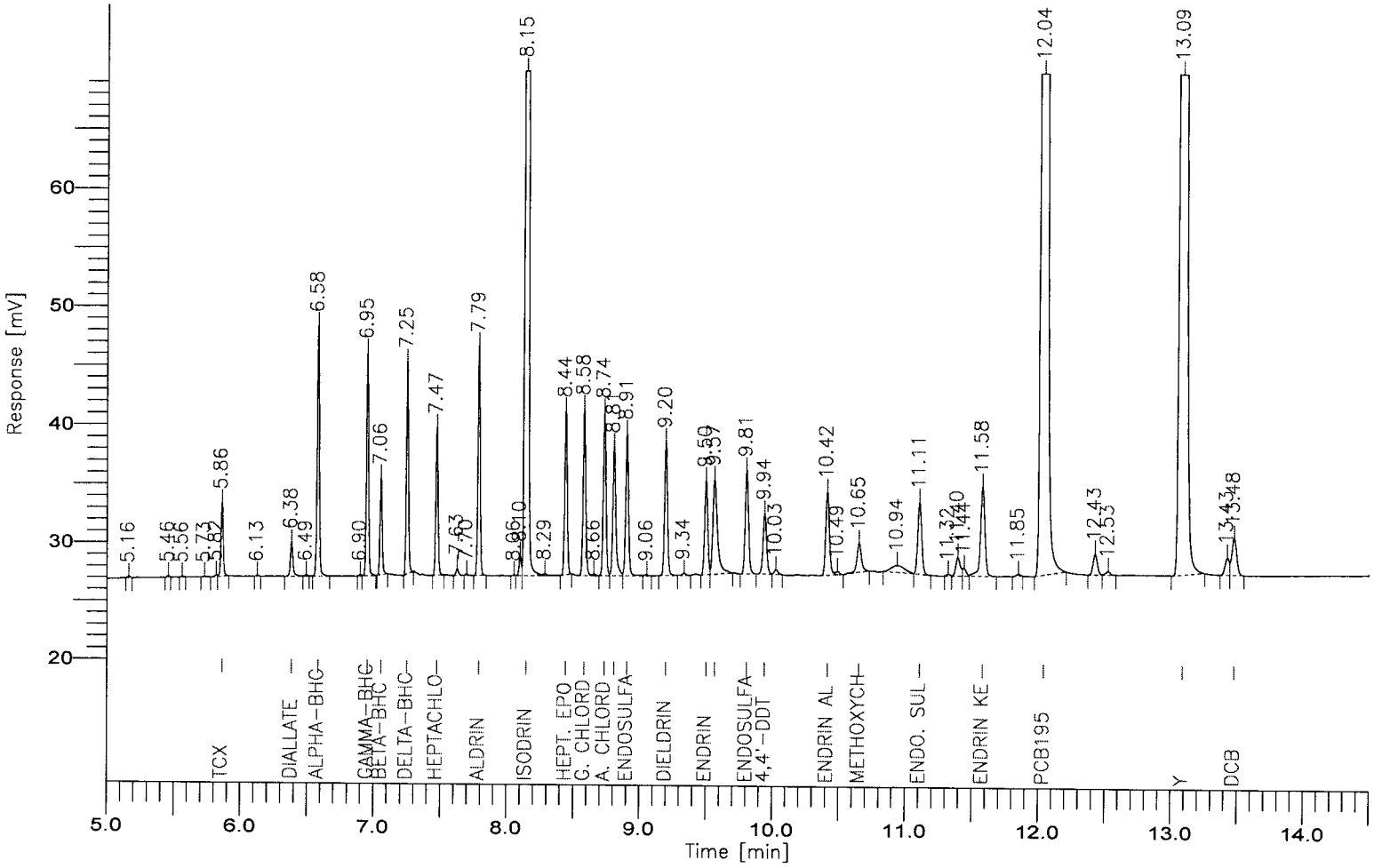
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:32 AM
Sample Number: AI2418 Study : ICAL 1
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 02:49 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9028.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9028.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9028.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.861	TCX	2.50	2.0e+02	2.50	7699	6294	0.128	TCX	0.0075	5.853	1	1.2	3e+0
6.384	Diallate	25.00	-------	25.00	3898	2867	0.120	Diallate	0.0077	6.376	1	-----	-----
6.582	ALPHA-BHC	5.00	-------	5.00	24504	21221	0.115	ALPHA-BHC	0.0075	6.574	1	-----	-----
6.953	GAMMA-BHC	5.00	-------	5.00	21109	18971	0.104	GAMMA-BHC	0.0072	6.946	1	-----	-----
7.055	BETA-BHC	5.00	-------	5.00	9475	8211	0.107	BETA-BHC	0.0076	7.048	1	-----	-----
7.252	DELTA-BHC	5.00	-------	5.00	19943	17962	0.099	DELTA-BHC	0.0072	7.244	1	-----	-----
7.474	HEPTACHLOR	5.00	-------	5.00	14635	12529	0.095	HEPTACHLOR	0.0071	7.467	1	-----	-----
7.789	ALDRIN	5.00	-------	5.00	22965	19465	0.090	ALDRIN	0.0070	7.782	1	-----	-----
8.146	ISODRIN	100.00	-------	100.00	369167	286038	0.092	ISODRIN	0.0075	8.139	1	-----	94.
8.444	HEPT. EPOXIDE	5.00	-------	5.00	18367	13873	0.097	HEPT. EPOXIDE	0.0081	8.436	1	-----	-----
8.582	G. CHLORDANE	5.00	-------	5.00	19572	14107	0.095	G. CHLORDANE	0.0082	8.574	1	-----	-----
8.735	A. CHLORDANE	5.00	-------	5.00	19943	13842	0.096	A. CHLORDANE	0.0084	8.726	1	-----	-----
8.807	4,4'-DDE	5.00	-------	5.00	17366	10972	0.102	4,4'-DDE	0.0089	8.798	1	-----	-----
8.906	ENDOSULFAN I	5.00	-------	5.00	18106	12081	0.097	ENDOSULFAN I	0.0086	8.897	1	-----	-----
9.199	DIELDRIN	5.00	-------	5.00	17502	11350	0.095	DIELDRIN	0.0087	9.190	1	-----	-----
9.501	ENDRIN	5.00	-------	5.00	13025	7994	0.093	ENDRIN	0.0088	9.492	1	-----	-----
9.565	DDD & Chlorob	30.00	-------	30.00	19442	8057	0.108	DDD & Chlorob	0.0103	9.555	1	-----	-----
9.806	ENDOSULFAN II	5.00	-------	5.00	15499	8777	0.094	ENDOSULFAN II	0.0092	9.797	1	-----	-----
9.943	4,4'-DDT	5.00	-------	5.00	9637	5139	0.112	4,4'-DDT	0.0111	9.932	1	-----	-----
10.415	ENDRIN ALDEHY	5.00	-------	5.00	13800	7040	0.104	ENDRIN ALDEHY	0.0108	10.404	1	-----	-----
10.653	METHOXYCHLOR	5.00	-------	5.00	6087	2466	0.080	METHOXYCHLOR	0.0085	10.644	1	-----	-----
11.108	ENDO. SULFATE	5.00	-------	5.00	12613	6120	0.096	ENDO. SULFATE	0.0107	11.097	1	-----	-----
11.581	ENDRIN KETONE	5.00	-------	5.00	17473	7558	0.085	ENDRIN KETONE	0.0098	11.571	1	-----	-----
12.040	PCB195	200.00	-------	200.00	684203	301583	0.094	PCB195	0.0114	12.029	1	-----	-----
13.089	Y	200.00	-------	200.00	579962	235792	0.086	Y	0.0113	13.078	1	-----	-----
13.477	DCB	2.50	2.0e+02	2.50	8199	3112	0.084	DCB	0.0113	13.466	1	1.2	2e+0
		655.00			1984193	1063419							

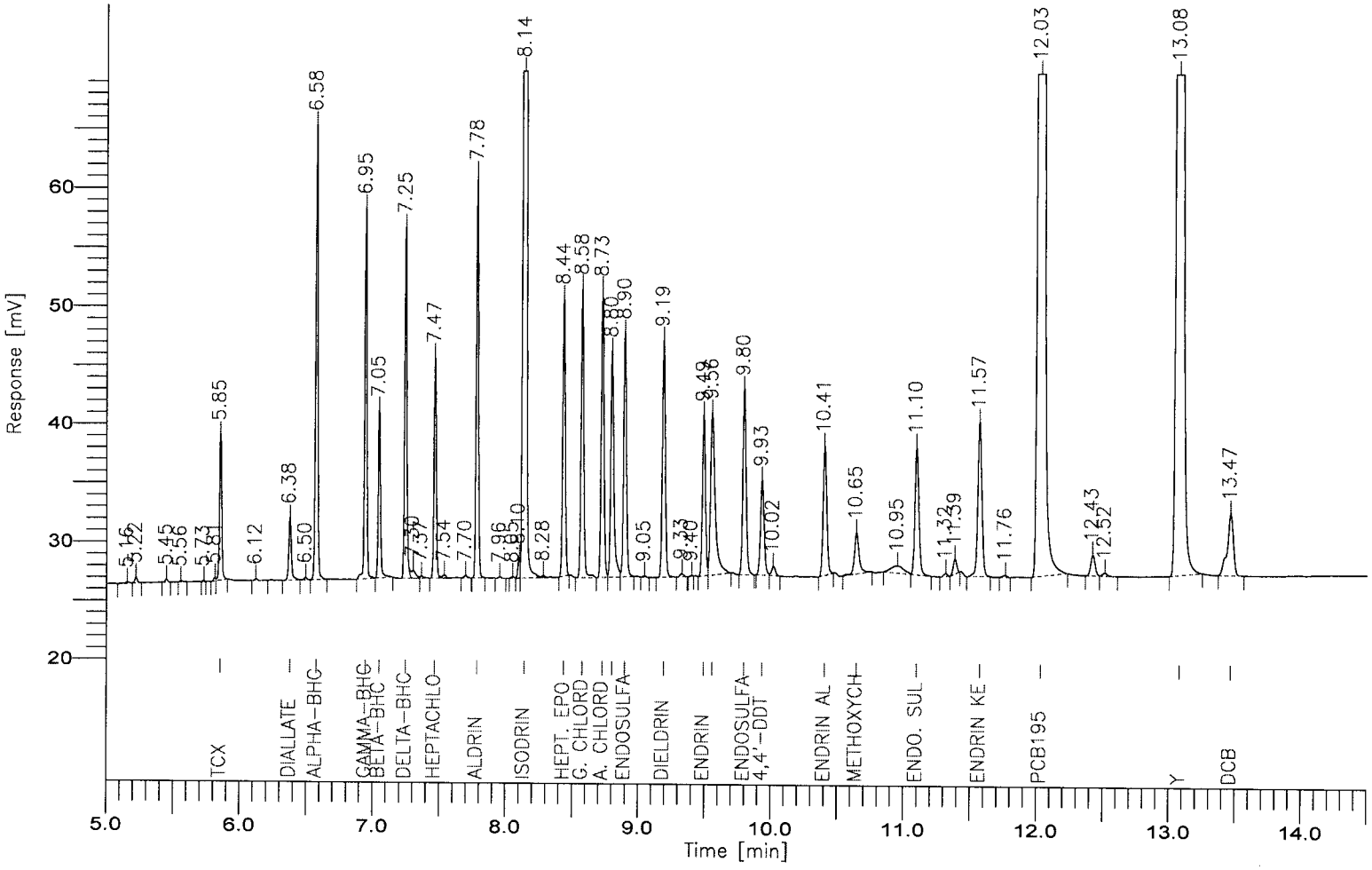
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:32 AM
Sample Number: AI2419 Study : ICAL 2
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 03:09 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9029.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9029.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9029.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.854	TCX	5.00	2.0e+02	5.00	14694	12434	0.012	TCX	0.0007	5.853	1	2.5	6e+0
6.377	Diallate	50.00	-------	50.00	7170	5287	0.018	Diallate	0.0012	6.376	1	-----	-----
6.576	ALPHA-BHC	10.00	-------	10.00	44036	38664	0.021	ALPHA-BHC	0.0014	6.574	1	-----	-----
6.946	GAMMA-BHC	10.00	-------	10.00	35924	31499	0.009	GAMMA-BHC	0.0006	6.946	1	-----	-----
7.049	BETA-BHC	10.00	-------	10.00	16707	14196	0.014	BETA-BHC	0.0010	7.048	1	-----	-----
7.245	DELTA-BHC	10.00	-------	10.00	34436	29785	0.011	DELTA-BHC	0.0008	7.244	1	-----	-----
7.467	HEPTACHLOR	10.00	-------	10.00	22143	18826	0.006	HEPTACHLOR	0.0004	7.467	1	-----	-----
7.783	ALDRIN	10.00	-------	10.00	40093	34203	0.016	ALDRIN	0.0012	7.782	1	-----	-----
8.140	ISODRIN	100.00	-------	100.00	365619	284854	0.014	ISODRIN	0.0011	8.139	1	-----	93.
8.437	HEPT. EPOXIDE	10.00	-------	10.00	31431	23587	0.011	HEPT. EPOXIDE	0.0009	8.436	1	-----	-----
8.575	G. CHLORDANE	10.00	-------	10.00	34643	24520	0.014	G. CHLORDANE	0.0012	8.574	1	-----	-----
8.728	A. CHLORDANE	10.00	-------	10.00	34903	24408	0.015	A. CHLORDANE	0.0013	8.726	1	-----	-----
8.800	4,4'-DDE	10.00	-------	10.00	31162	19189	0.021	4,4'-DDE	0.0018	8.798	1	-----	-----
8.899	ENDOSULFAN I	10.00	-------	10.00	31271	20700	0.017	ENDOSULFAN I	0.0015	8.897	1	-----	-----
9.191	DIELDRIN	10.00	-------	10.00	31160	20147	0.014	DIELDRIN	0.0013	9.190	1	-----	-----
9.494	ENDRIN	10.00	-------	10.00	21617	13606	0.014	ENDRIN	0.0013	9.492	1	-----	-----
9.557	DDD & Chlorob	60.00	-------	60.00	33221	13733	0.026	DDD & Chlorob	0.0024	9.555	1	-----	-----
9.798	ENDOSULFAN II	10.00	-------	10.00	27258	15713	0.009	ENDOSULFAN II	0.0008	9.797	1	-----	-----
9.934	4,4'-DDT	10.00	-------	10.00	15155	8013	0.024	4,4'-DDT	0.0023	9.932	1	-----	-----
10.406	ENDRIN ALDEHY	10.00	-------	10.00	20531	10895	0.018	ENDRIN ALDEHY	0.0019	10.404	1	-----	-----
10.645	METHOXYCHLOR	10.00	-------	10.00	8504	3429	0.003	METHOXYCHLOR	0.0004	10.644	1	-----	-----
11.098	ENDO. SULFATE	10.00	-------	10.00	22041	10743	0.008	ENDO. SULFATE	0.0009	11.097	1	-----	-----
11.572	ENDRIN KETONE	10.00	-------	10.00	27729	13042	0.010	ENDRIN KETONE	0.0011	11.571	1	-----	-----
12.031	PCB195	200.00	-------	200.00	667776	289936	0.019	PCB195	0.0023	12.029	1	-----	-----
13.080	Y	200.00	-------	200.00	562702	226225	0.015	Y	0.0019	13.078	1	-----	-----
13.467	DCB	5.00	2.0e+02	5.00	16739	5185	0.008	DCB	0.0010	13.466	1	2.5	3e+0
		810.00			2198662	1212819							

Software Version: 4.1<2F12>
Sample Name : PEST 4/21/106
Sample Number: AI2420
Operator : Analyst

Time : 4/22/2006 09:32 AM
Study : ICAL 3

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

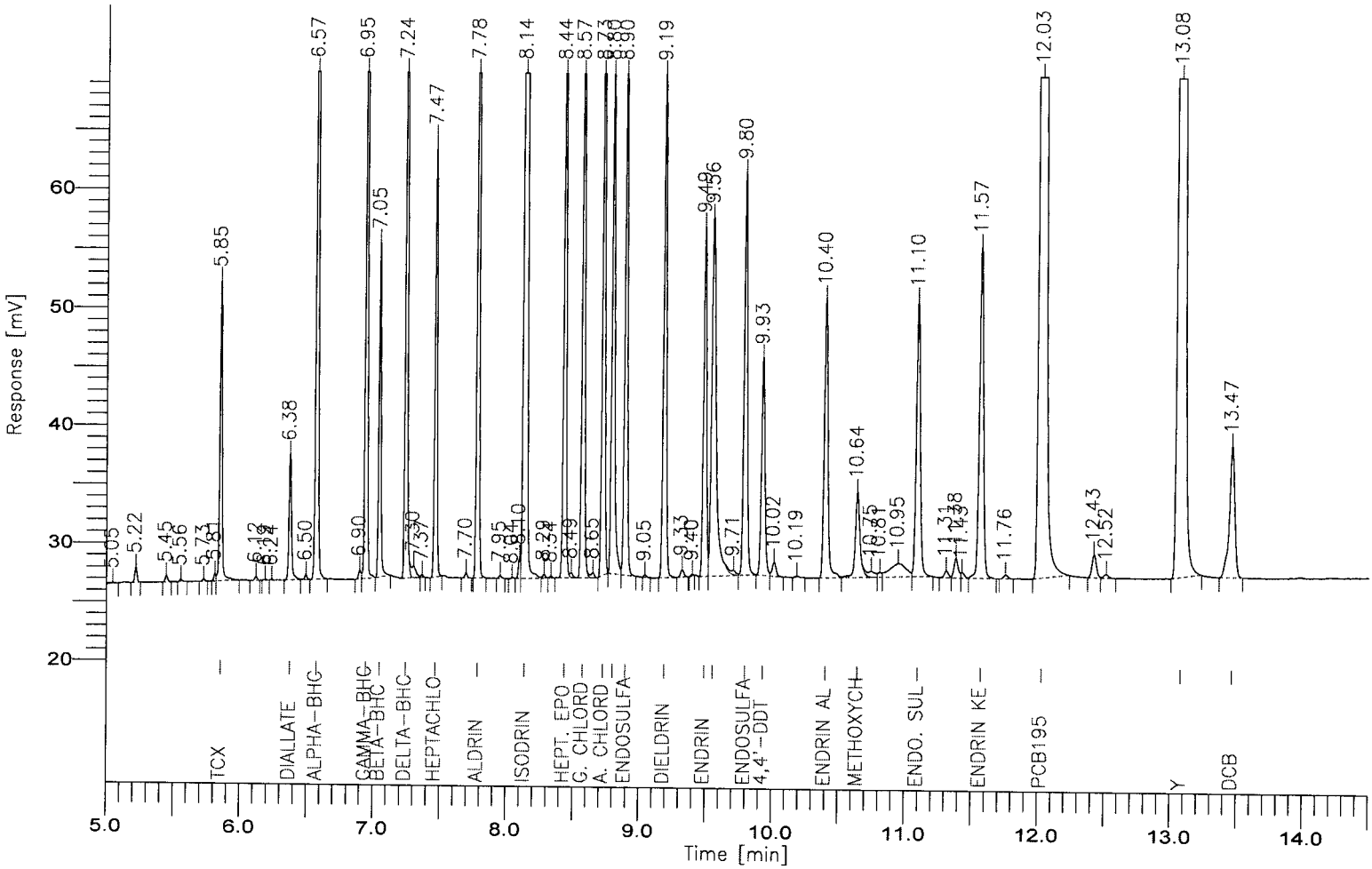
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 03:29 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9030.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9030.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9030.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.853	TCX	10.00	2.0e+02	10.00	31526	25470	1e-15	TCX	-0.0000	5.853	1	5.0	1e+0
6.376	Diallate	100.00	-------	100.00	14024	10712	-9e-16	Diallate	-0.0000	6.376	1	-----	-----
6.574	ALPHA-BHC	20.00	-------	20.00	91804	80560	4e-15	ALPHA-BHC	-0.0000	6.574	1	-----	-----
6.946	GAMMA-BHC	20.00	-------	20.00	72317	65377	6e-15	GAMMA-BHC	-0.0000	6.946	1	-----	-----
7.048	BETA-BHC	20.00	-------	20.00	32828	28474	3e-15	BETA-BHC	-0.0000	7.048	1	-----	-----
7.244	DELTA-BHC	20.00	-------	20.00	72648	63902	3e-15	DELTA-BHC	-0.0000	7.244	1	-----	-----
7.467	HEPTACHLOR	20.00	-------	20.00	43450	37107	-5e-15	HEPTACHLOR	-0.0000	7.467	1	-----	-----
7.782	ALDRIN	20.00	-------	20.00	82045	71003	2e-15	ALDRIN	-0.0000	7.782	1	-----	-----
8.139	ISODRIN	100.00	-------	100.00	384430	304221	1e-15	ISODRIN	-0.0000	8.139	1	-----	100.
8.436	HEPT. EPOXIDE	20.00	-------	20.00	66864	50444	3e-15	HEPT. EPOXIDE	-0.0000	8.436	1	-----	-----
8.574	G. CHLORDANE	20.00	-------	20.00	71473	51587	-6e-15	G. CHLORDANE	-0.0000	8.574	1	-----	-----
8.726	A. CHLORDANE	20.00	-------	20.00	71864	51689	5e-15	A. CHLORDANE	-0.0000	8.726	1	-----	-----
8.798	4,4'-DDE	20.00	-------	20.00	65440	42887	0.000	4,4'-DDE	-0.0000	8.798	1	-----	-----
8.897	ENDOSULFAN I	20.00	-------	20.00	64854	44321	-4e-15	ENDOSULFAN I	-0.0000	8.897	1	-----	-----
9.190	DIELDRIN	20.00	-------	20.00	65496	42832	0.000	DIELDRIN	-0.0000	9.190	1	-----	-----
9.492	ENDRIN	20.00	-------	20.00	47389	29749	2e-15	ENDRIN	-0.0000	9.492	1	-----	-----
9.555	DDD & Chlorob	120.00	-------	120.00	74880	30424	9e-15	DDD & Chlorob	-0.0000	9.555	1	-----	-----
9.797	ENDOSULFAN II	20.00	-------	20.00	58598	34061	-7e-15	ENDOSULFAN II	-2e-15	9.797	1	-----	-----
9.932	4,4'-DDT	20.00	-------	20.00	33327	18477	-2e-15	4,4'-DDT	-0.0000	9.932	1	-----	-----
10.404	ENDRIN ALDEHY	20.00	-------	20.00	46485	23720	7e-15	ENDRIN ALDEHY	-0.0000	10.404	1	-----	-----
10.644	METHOXYCHLOR	20.00	-------	20.00	18051	7232	6e-15	METHOXYCHLOR	-0.0000	10.644	1	-----	-----
11.097	ENDO. SULFATE	20.00	-------	20.00	48855	23432	-5e-15	ENDO. SULFATE	-0.0000	11.097	1	-----	-----
11.571	ENDRIN KETONE	20.00	-------	20.00	59639	28088	-4e-15	ENDRIN KETONE	-0.0000	11.571	1	-----	-----
12.029	PCB195	200.00	-------	200.00	748794	333211	6e-15	PCB195	-0.0000	12.029	1	-----	-----
13.078	Y	200.00	-------	200.00	637325	256411	5e-15	Y	-0.0000	13.078	1	-----	-----
13.466	DCB	10.00	2.0e+02	10.00	31668	11127	-6e-15	DCB	-2e-15	13.466	1	5.0	6e+0
		1120.00			3036074	1766519							

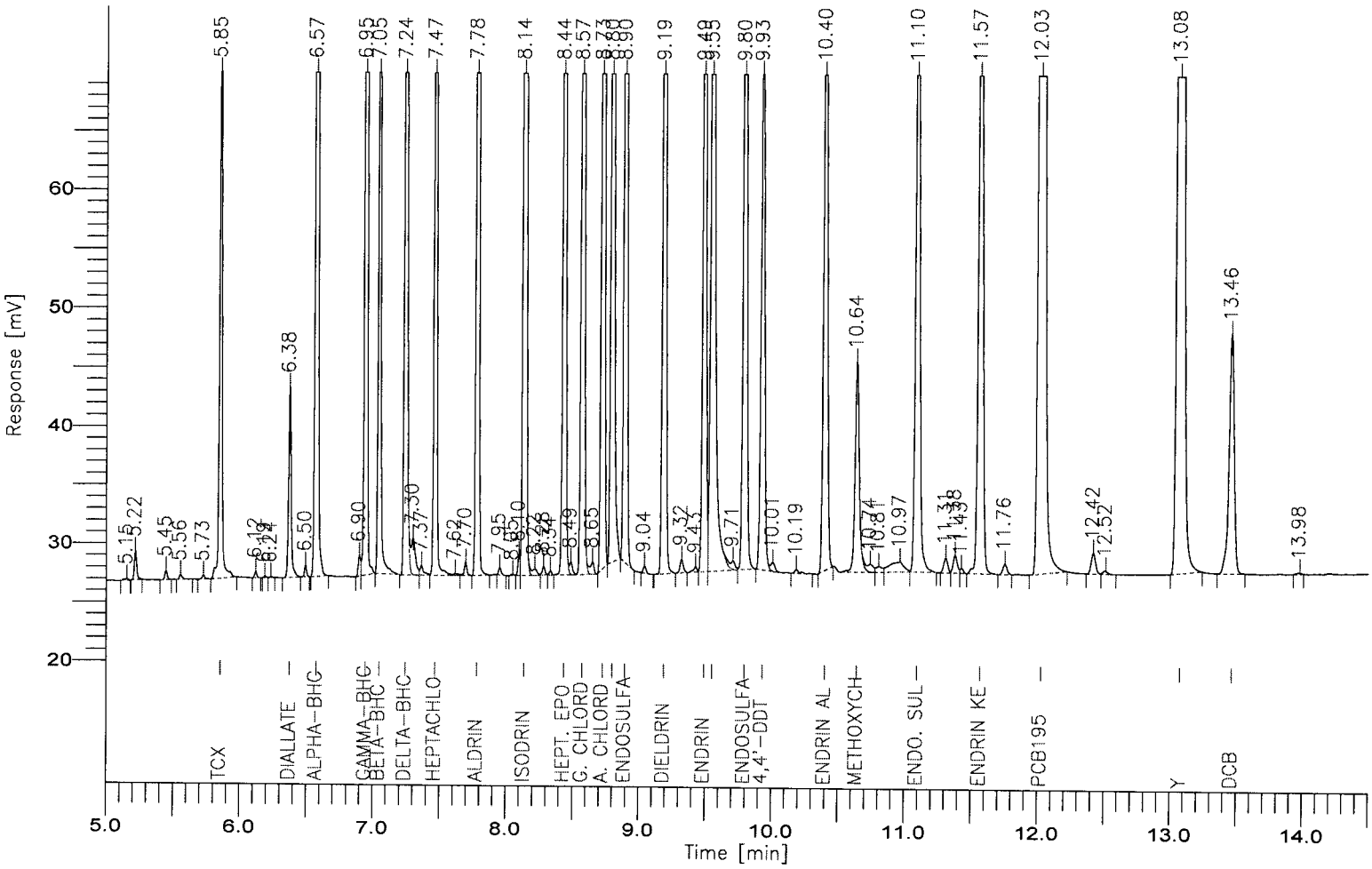
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:33 AM
Sample Number: AI2421 Study : ICAL 4
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 03:48 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9031.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9031.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9031.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.853	TCX	20.00	2.0e+02	20.00	64789	50468	-0.005	TCX	-0.0003	5.853	1	10.0	3e+0
6.376	Diallate	150.00	-------	150.00	21564	16307	-0.003	Diallate	-0.0002	6.376	1	-----	-----
6.574	ALPHA-BHC	50.00	-------	50.00	243780	213840	-0.000	ALPHA-BHC	-0.0000	6.574	1	-----	-----
6.945	GAMMA-BHC	50.00	-------	50.00	193857	173305	-0.007	GAMMA-BHC	-0.0005	6.946	1	-----	-----
7.047	BETA-BHC	50.00	-------	50.00	85526	72413	-0.007	BETA-BHC	-0.0005	7.048	1	-----	-----
7.244	DELTA-BHC	50.00	-------	50.00	194010	171789	-0.012	DELTA-BHC	-0.0008	7.244	1	-----	-----
7.466	HEPTACHLOR	50.00	-------	50.00	120768	102636	-0.004	HEPTACHLOR	-0.0003	7.467	1	-----	-----
7.782	ALDRIN	50.00	-------	50.00	214015	183366	-0.002	ALDRIN	-0.0002	7.782	1	-----	-----
8.139	ISODRIN	100.00	-------	100.00	368036	291385	-0.002	ISODRIN	-0.0001	8.139	1	-----	95.
8.436	HEPT. EPOXIDE	50.00	-------	50.00	173874	131687	-0.001	HEPT. EPOXIDE	-0.0001	8.436	1	-----	-----
8.574	G. CHLORDANE	50.00	-------	50.00	186987	136480	-0.001	G. CHLORDANE	-0.0001	8.574	1	-----	-----
8.726	A. CHLORDANE	50.00	-------	50.00	186520	133317	-0.004	A. CHLORDANE	-0.0004	8.726	1	-----	-----
8.798	4,4'-DDE	50.00	-------	50.00	172220	119528	-0.005	4,4'-DDE	-0.0004	8.798	1	-----	-----
8.897	ENDOSULFAN I	50.00	-------	50.00	165633	116349	-0.001	ENDOSULFAN I	-0.0001	8.897	1	-----	-----
9.189	DIELDRIN	50.00	-------	50.00	171475	112625	-0.004	DIELDRIN	-0.0004	9.190	1	-----	-----
9.491	ENDRIN	50.00	-------	50.00	124020	78068	-0.012	ENDRIN	-0.0011	9.492	1	-----	-----
9.552	DDD & Chlorob	200.00	-------	200.00	159448	74612	-0.035	DDD & Chlorob	-0.0034	9.555	1	-----	-----
9.796	ENDOSULFAN II	50.00	-------	50.00	144429	85383	-0.015	ENDOSULFAN II	-0.0015	9.797	1	-----	-----
9.931	4,4'-DDT	50.00	-------	50.00	87581	48411	-0.006	4,4'-DDT	-0.0006	9.932	1	-----	-----
10.403	ENDRIN ALDEHY	50.00	-------	50.00	112441	61440	-0.010	ENDRIN ALDEHY	-0.0011	10.404	1	-----	-----
10.643	METHOXYCHLOR	50.00	-------	50.00	40035	17860	-0.018	METHOXYCHLOR	-0.0019	10.644	1	-----	-----
11.096	ENDO. SULFATE	50.00	-------	50.00	121225	59835	-0.011	ENDO. SULFATE	-0.0012	11.097	1	-----	-----
11.569	ENDRIN KETONE	50.00	-------	50.00	143984	69659	-0.017	ENDRIN KETONE	-0.0020	11.571	1	-----	-----
12.027	PCB195	200.00	-------	200.00	671213	293313	-0.012	PCB195	-0.0014	12.029	1	-----	-----
13.075	Y	200.00	-------	200.00	566726	229695	-0.018	Y	-0.0023	13.078	1	-----	-----
13.464	DCB	20.00	2.0e+02	20.00	54500	20320	-0.011	DCB	-0.0015	13.466	1	10.0	1e+0
		1840.00			4788656	3064090							

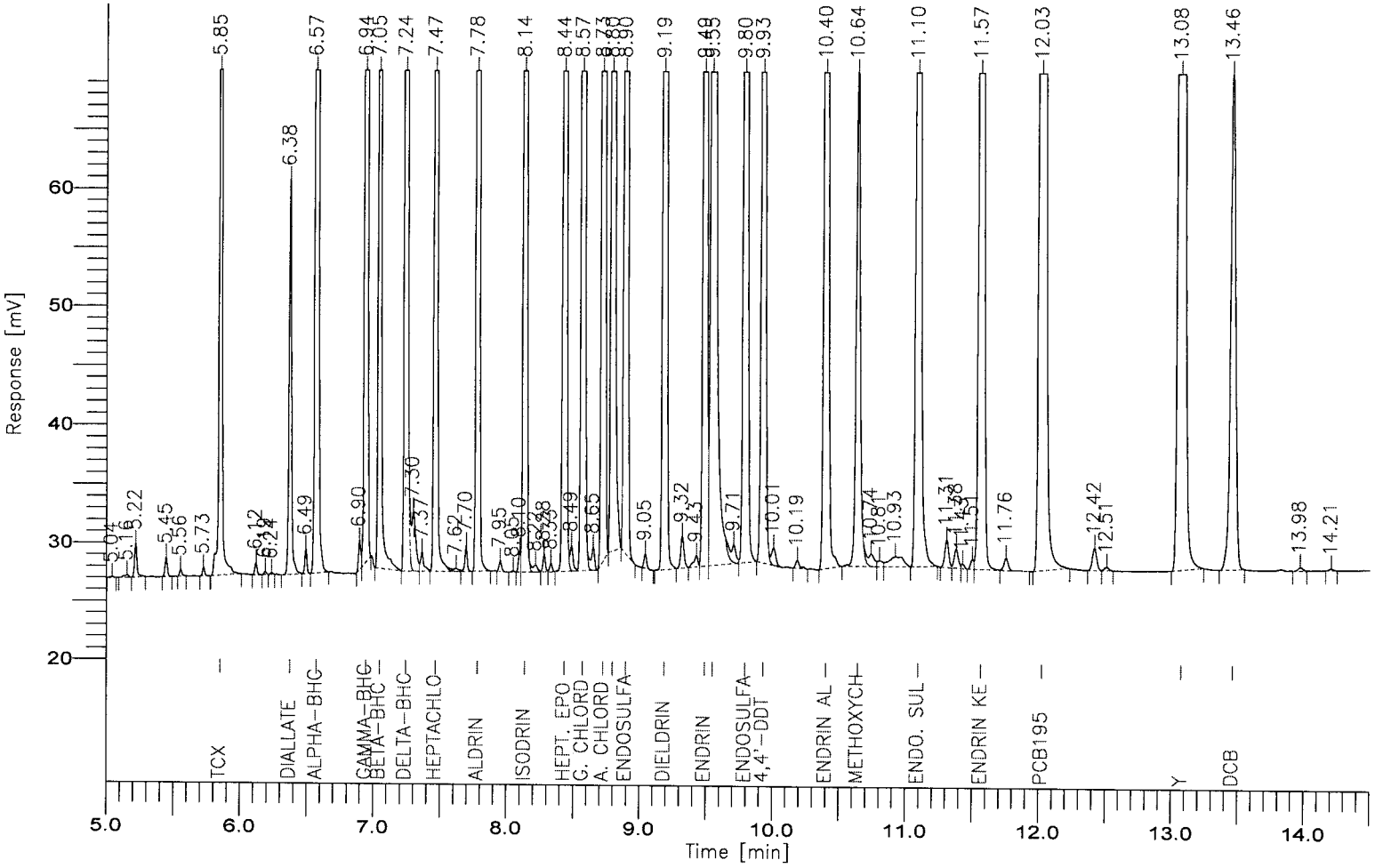
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:33 AM
Sample Number: AI2422 Study : ICAL 5
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 04:08 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9032.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9032.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9032.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.852	TCX	40.00	2.0e+02	40.00	136127	111578	-0.027	TCX	-0.0016	5.853	1	20.0	6e+0
6.375	Diallate	300.00	-------	300.00	43298	33478	-0.019	Diallate	-0.0012	6.376	1	-----	-----
6.573	ALPHA-BHC	100.00	-------	100.00	518682	454472	-0.016	ALPHA-BHC	-0.0010	6.574	1	-----	-----
6.944	GAMMA-BHC	100.00	-------	100.00	423417	381365	-0.025	GAMMA-BHC	-0.0018	6.946	1	-----	-----
7.046	BETA-BHC	100.00	-------	100.00	182288	156652	-0.025	BETA-BHC	-0.0017	7.048	1	-----	-----
7.243	DELTA-BHC	100.00	-------	100.00	428758	380817	-0.023	DELTA-BHC	-0.0017	7.244	1	-----	-----
7.465	HEPTACHLOR	100.00	-------	100.00	293863	250296	-0.018	HEPTACHLOR	-0.0013	7.467	1	-----	-----
7.781	ALDRIN	100.00	-------	100.00	447869	383973	-0.016	ALDRIN	-0.0013	7.782	1	-----	-----
8.137	ISODRIN	100.00	-------	100.00	385845	304264	-0.018	ISODRIN	-0.0015	8.139	1	-----	100.
8.435	HEPT. EPOXIDE	100.00	-------	100.00	372364	281386	-0.014	HEPT. EPOXIDE	-0.0012	8.436	1	-----	-----
8.573	G. CHLORDANE	100.00	-------	100.00	399325	292591	-0.014	G. CHLORDANE	-0.0012	8.574	1	-----	-----
8.725	A. CHLORDANE	100.00	-------	100.00	396258	286374	-0.017	A. CHLORDANE	-0.0014	8.726	1	-----	-----
8.797	4,4'-DDE	100.00	-------	100.00	378697	260448	-0.018	4,4'-DDE	-0.0016	8.798	1	-----	-----
8.896	ENDOSULFAN I	100.00	-------	100.00	355121	242937	-0.012	ENDOSULFAN I	-0.0010	8.897	1	-----	-----
9.188	DIELDRIN	100.00	-------	100.00	368050	243751	-0.017	DIELDRIN	-0.0016	9.190	1	-----	-----
9.491	ENDRIN	100.00	-------	100.00	287768	181606	-0.015	ENDRIN	-0.0014	9.492	1	-----	-----
9.550	DDD & Chlorob	400.00	-------	400.00	353236	169795	-0.052	DDD & Chlorob	-0.0050	9.555	1	-----	-----
9.795	ENDOSULFAN II	100.00	-------	100.00	316082	188682	-0.023	ENDOSULFAN II	-0.0023	9.797	1	-----	-----
9.931	4,4'-DDT	100.00	-------	100.00	211441	122780	-0.006	4,4'-DDT	-0.0006	9.932	1	-----	-----
10.402	ENDRIN ALDEHY	100.00	-------	100.00	252385	136928	-0.017	ENDRIN ALDEHY	-0.0018	10.404	1	-----	-----
10.642	METHOXYCHLOR	100.00	-------	100.00	90175	43396	-0.027	METHOXYCHLOR	-0.0029	10.644	1	-----	-----
11.095	ENDO. SULFATE	100.00	-------	100.00	272526	137135	-0.019	ENDO. SULFATE	-0.0021	11.097	1	-----	-----
11.568	ENDRIN KETONE	100.00	-------	100.00	317203	152508	-0.021	ENDRIN KETONE	-0.0025	11.571	1	-----	-----
12.026	PCB195	200.00	-------	200.00	724923	319437	-0.021	PCB195	-0.0025	12.029	1	-----	-----
13.075	Y	200.00	-------	200.00	613948	249863	-0.020	Y	-0.0026	13.078	1	-----	-----
13.463	DCB	40.00	2.0e+02	40.00	110011	42462	-0.019	DCB	-0.0025	13.466	1	20.0	2e+0
		3180.00			8679659	5808975							

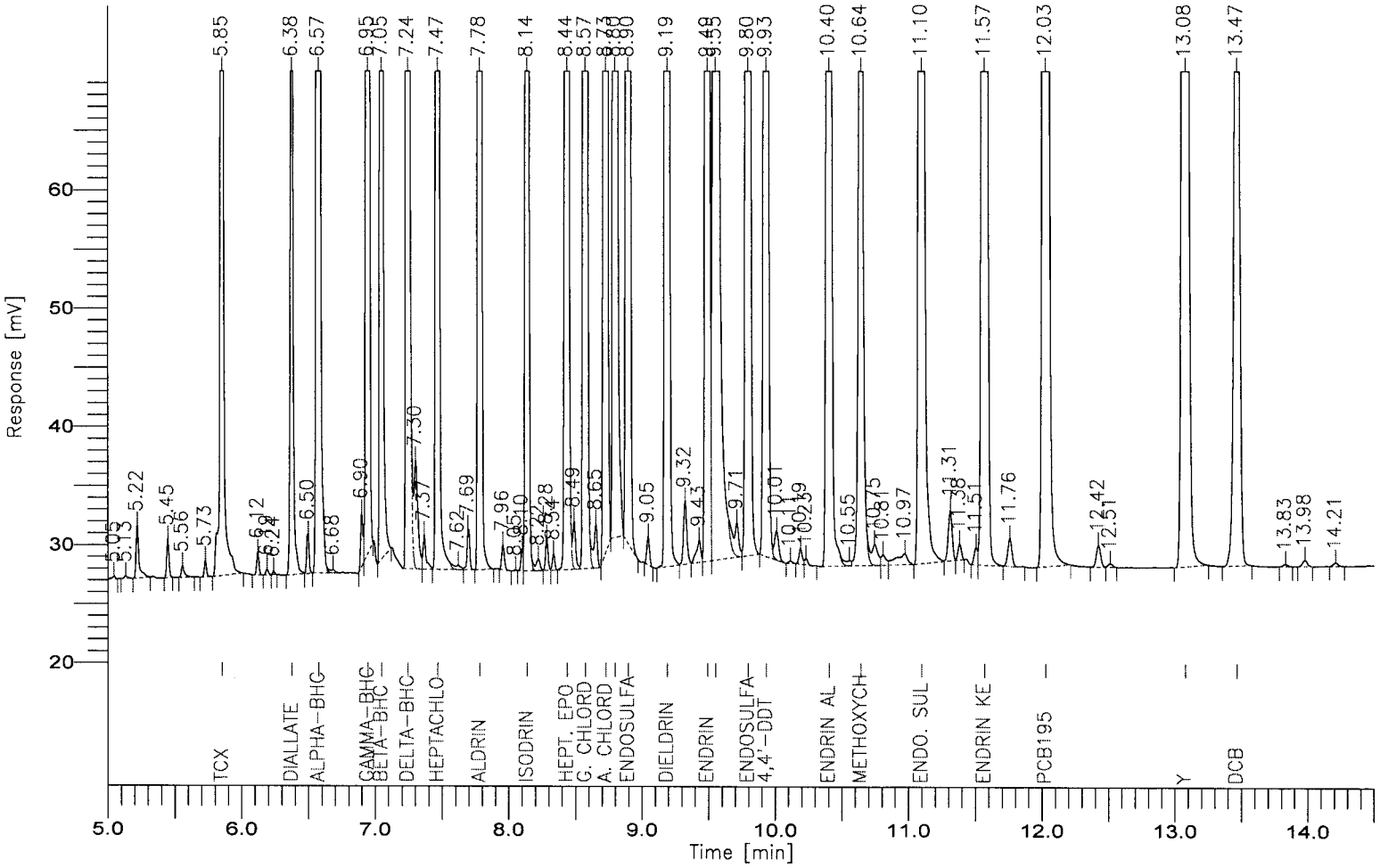
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:33 AM
Sample Number: AI2423 Study : ICAL 6
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 04:28 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9033.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9033.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9033.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.853	TCX	80.00	2.0e+02	80.00	273112	222568	-0.012	TCX	-0.0007	5.853	1	40.0	1e+0
6.376	Diallate	600.00	-------	600.00	84237	64800	-0.006	Diallate	-0.0004	6.376	1	-----	-----
6.574	ALPHA-BHC	200.00	-------	200.00	1039373	895798	-0.004	ALPHA-BHC	-0.0003	6.574	1	-----	-----
6.945	GAMMA-BHC	200.00	-------	200.00	851299	758965	-0.010	GAMMA-BHC	-0.0007	6.946	1	-----	-----
7.047	BETA-BHC	200.00	-------	200.00	355118	312209	-0.007	BETA-BHC	-0.0005	7.048	1	-----	-----
7.244	DELTA-BHC	200.00	-------	200.00	864836	755739	-0.013	DELTA-BHC	-0.0009	7.244	1	-----	-----
7.466	HEPTACHLOR	200.00	-------	200.00	598477	514930	-0.003	HEPTACHLOR	-0.0002	7.467	1	-----	-----
7.782	ALDRIN	200.00	-------	200.00	882838	734608	-0.003	ALDRIN	-0.0002	7.782	1	-----	-----
8.138	ISODRIN	100.00	-------	100.00	391518	308096	-0.005	ISODRIN	-0.0004	8.139	1	-----	101.
8.436	HEPT. EPOXIDE	200.00	-------	200.00	735408	553376	0.002	HEPT. EPOXIDE	0.0001	8.436	1	-----	-----
8.574	G. CHLORDANE	200.00	-------	200.00	789703	573650	4e-05	G. CHLORDANE	3.5e-06	8.574	1	-----	-----
8.726	A. CHLORDANE	200.00	-------	200.00	781004	560703	-0.002	A. CHLORDANE	-0.0002	8.726	1	-----	-----
8.797	4,4'-DDE	200.00	-------	200.00	751140	515597	-0.009	4,4'-DDE	-0.0008	8.798	1	-----	-----
8.897	ENDOSULFAN I	200.00	-------	200.00	702367	486946	0.000	ENDOSULFAN I	0.0000	8.897	1	-----	-----
9.190	DIELDRIN	200.00	-------	200.00	730230	478778	0.003	DIELDRIN	0.0003	9.190	1	-----	-----
9.492	ENDRIN	200.00	-------	200.00	567373	357310	-0.003	ENDRIN	-0.0003	9.492	1	-----	-----
9.551	DDD & Chlorob	800.00	-------	800.00	687566	344527	-0.041	DDD & Chlorob	-0.0039	9.555	1	-----	-----
9.796	ENDOSULFAN II	200.00	-------	200.00	623397	368255	-0.009	ENDOSULFAN II	-0.0009	9.797	1	-----	-----
9.932	4,4'-DDT	200.00	-------	200.00	428961	250167	-0.003	4,4'-DDT	-0.0003	9.932	1	-----	-----
10.404	ENDRIN ALDEHY	200.00	-------	200.00	501996	275516	0.002	ENDRIN ALDEHY	0.0002	10.404	1	-----	-----
10.643	METHOXYCHLOR	200.00	-------	200.00	176254	86908	-0.012	METHOXYCHLOR	-0.0013	10.644	1	-----	-----
11.098	ENDO. SULFATE	200.00	-------	200.00	540417	266721	0.001	ENDO. SULFATE	0.0001	11.097	1	-----	-----
11.569	ENDRIN KETONE	200.00	-------	200.00	616371	302680	-0.016	ENDRIN KETONE	-0.0019	11.571	1	-----	-----
12.028	PCB195	200.00	-------	200.00	706652	317438	-0.003	PCB195	-0.0004	12.029	1	-----	-----
13.077	Y	200.00	-------	200.00	594887	242062	-0.008	Y	-0.0011	13.078	1	-----	-----
13.466	DCB	80.00	2.0e+02	80.00	201806	79793	-0.000	DCB	-0.0000	13.466	1	40.0	4e+0
		5860.00			15476340	1e+07							

Turbochrom Method File : K:\#GST\#MTHCALB\D21T6W.MTH
Created by : msp on : 4/22/2006 08:05 AM
Edited by : analyst on : 4/22/2006 09:15 AM
Description :

Number of Times Edited : 5
Number of Times Calibrated : 472

Global Information :

Default Sample Volume : 1.000 ul
Quantitation Units : ppb
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An Internal Standard calibration will be used
Unknown peaks will use the response factor of the nearest component

Component Information :

TCX

Component Type : Single Peak Component
Retention Time : 5.727 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 10.000000
Value 2: 0.200000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	20265.10	15197.13	0.0296	0.0250	1
2	5.0000	37082.40	27063.61	0.0543	0.0500	1
3	10.0000	70202.40	53616.87	0.1035	0.1000	1
4	20.0000	134730.20	102061.67	0.2025	0.2000	1
5	40.0000	266012.00	213317.74	0.4062	0.4000	1
6	80.0000	518186.40	419031.80	0.7909	0.8000	1

Average Calibration Factor = 1.053865 (%RSD = 6.87)

Diallate

Component Type : Single Peak Component
Retention Time : 6.239 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Area ratio / Amount ratio)
User Values:
Label :
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	25.0000	8098.95	6286.66	0.0128	0.2500	1
2	50.0000	15110.43	11404.67	0.0241	0.5000	1
3	100.0000	28012.32	21021.66	0.0432	1.0000	1
4	150.0000	40766.91	30052.71	0.0654	1.5000	1
5	300.0000	74831.42	56749.70	0.1163	3.0000	1
6	600.0000	137127.99	105228.58	0.2093	6.0000	1

Average Calibration Factor = 0.043308 (%RSD = 13.79)

ALPHA-BHC

Component Type : Single Peak Component
Retention Time : 6.495 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	43866.20	35142.51	0.0686	0.0500	1
2	10.0000	74146.80	60926.80	0.1222	0.1000	1
3	20.0000	143540.20	121214.37	0.2340	0.2000	1
4	50.0000	345249.80	299565.97	0.5944	0.5000	1
5	100.0000	707490.20	633634.42	1.2066	1.0000	1

Average Calibration Factor = 1.231703 (%RSD = 6.52)

GAMMA-BHC

Component Type : Single Peak Component
Retention Time : 6.898 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	37610.21	31183.58	0.0608	0.0500	1
2	10.0000	59136.22	50218.66	0.1007	0.1000	1
3	20.0000	112424.43	95176.11	0.1837	0.2000	1
4	50.0000	273218.11	238636.34	0.4735	0.5000	1
5	100.0000	576684.05	512611.27	0.9761	1.0000	1

Average Calibration Factor = 1.013139 (%RSD = 11.69)

BETA-BHC

Component Type : Single Peak Component
Retention Time : 6.992 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window

Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	22219.13	15714.08	0.0307	0.0500	1
2	10.0000	35274.53	24419.82	0.0490	0.1000	1
3	20.0000	64479.21	46114.96	0.0890	0.2000	1
4	50.0000	137776.89	107994.58	0.2143	0.5000	1
5	100.0000	278166.61	222960.01	0.4246	1.0000	1
6	200.0000	518076.80	449571.87	0.8485	2.0000	1

Average Calibration Factor = 0.470897 (%RSD = 15.70)

DELTA-BHC
Component Type : Single Peak Component
Retention Time : 7.303 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	37250.44	29555.09	0.0577	0.0500	1
2	10.0000	59195.41	47202.26	0.0947	0.1000	1
3	20.0000	114752.44	95425.11	0.1842	0.2000	1
4	50.0000	279439.45	234755.59	0.4658	0.5000	1
5	100.0000	586628.69	511361.45	0.9737	1.0000	1

Average Calibration Factor = 0.985256 (%RSD = 9.73)

HEPTACHLOR
Component Type : Single Peak Component
Retention Time : 7.366 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	33695.77	25912.37	0.0505	0.0500	1
2	10.0000	48802.48	37378.33	0.0750	0.1000	1

3	20.0000	87136.38	66868.64	0.1291	0.2000	1
4	50.0000	205385.15	165904.33	0.3292	0.5000	1
5	100.0000	446730.51	368885.70	0.7024	1.0000	1
6	200.0000	854267.73	709791.60	1.3396	2.0000	1

Average Calibration Factor = 0.739458 (%RSD = 18.68)

ALDRIN

Component Type : Single Peak Component
Retention Time : 7.696 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	49185.20	41812.27	0.0816	0.0500	1
2	10.0000	81396.40	68495.01	0.1374	0.1000	1
3	20.0000	154217.60	131253.64	0.2534	0.2000	1
4	50.0000	369975.60	319633.15	0.6343	0.5000	1
5	100.0000	733061.80	643809.54	1.2259	1.0000	1

Average Calibration Factor = 1.353288 (%RSD = 12.17)

ISODRIN

Component Type : Single Peak Component
Retention Time : 8.099 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 518020.110000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	100.0000	631656.90	512644.45	1.0000	1.0000	1
2	100.0000	628177.42	498561.32	1.0000	1.0000	1
3	100.0000	648964.76	518020.11	1.0000	1.0000	1
4	100.0000	623026.99	503940.77	1.0000	1.0000	1
5	100.0000	643194.20	525157.05	1.0000	1.0000	1
6	100.0000	655119.80	529842.63	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

HEPT. EPOXIDE

Component Type : Single Peak Component
Retention Time : 8.284 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:

Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	37649.40	27671.14	0.0540	0.0500	1
2	10.0000	61456.87	44645.43	0.0895	0.1000	1
3	20.0000	114846.64	86445.71	0.1669	0.2000	1
4	50.0000	271655.13	208117.43	0.4130	0.5000	1
5	100.0000	545787.30	429419.90	0.8177	1.0000	1
6	200.0000	1050014.60	820256.09	1.5481	2.0000	1

Average Calibration Factor = 0.871188 (%RSD = 12.54)

G. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.490 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	43838.20	30351.92	0.0592	0.0500	1
2	10.0000	70000.80	49689.84	0.0997	0.1000	1
3	20.0000	135153.80	98171.69	0.1895	0.2000	1
4	50.0000	325939.27	236859.84	0.4700	0.5000	1
5	100.0000	655179.60	495158.24	0.9429	1.0000	1
6	200.0000	1261041.90	962265.75	1.8161	2.0000	1

Average Calibration Factor = 0.986556 (%RSD = 10.23)

A. CHLORDANE
Component Type : Single Peak Component
Retention Time : 8.654 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	43299.23	31122.44	0.0607	0.0500	1
2	10.0000	71840.60	50742.11	0.1018	0.1000	1
3	20.0000	138435.25	100524.62	0.1941	0.2000	1
4	50.0000	330104.82	243393.87	0.4830	0.5000	1
5	100.0000	662101.80	490714.13	0.9344	1.0000	1
6	200.0000	1268126.46	945681.87	1.7848	2.0000	1

Average Calibration Factor = 0.999172 (%RSD = 11.33)

ENDOSULFAN I
Component Type : Single Peak Component
Retention Time : 8.721 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	37792.37	25696.65	0.0501	0.0500	1
2	10.0000	62430.60	42109.14	0.0845	0.1000	1
3	20.0000	119808.75	82443.51	0.1592	0.2000	1
4	50.0000	283286.58	198796.24	0.3945	0.5000	1
5	100.0000	569113.40	411980.05	0.7845	1.0000	1
6	200.0000	1095135.54	794409.35	1.4993	2.0000	1

Average Calibration Factor = 0.827667 (%RSD = 10.98)

4,4'-DDE
Component Type : Single Peak Component
Retention Time : 8.842 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	40480.20	23574.02	0.0460	0.0500	1
2	10.0000	69299.30	38968.76	0.0782	0.1000	1
3	20.0000	134938.00	80881.52	0.1561	0.2000	1
4	50.0000	321484.60	201564.30	0.4000	0.5000	1
5	100.0000	651928.20	440009.66	0.8379	1.0000	1
6	200.0000	1244436.00	844998.71	1.5948	2.0000	1

Average Calibration Factor = 0.819538 (%RSD = 6.50)

DIELDRIN
Component Type : Single Peak Component
Retention Time : 9.046 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :

Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	37383.70	24026.62	0.0469	0.0500	1
2	10.0000	62477.20	39617.85	0.0795	0.1000	1
3	20.0000	118540.00	77118.41	0.1489	0.2000	1
4	50.0000	275985.20	180817.63	0.3588	0.5000	1
5	100.0000	552932.14	371434.52	0.7073	1.0000	1
6	200.0000	1057591.49	725331.03	1.3690	2.0000	1

Average Calibration Factor = 0.764289 (%RSD = 12.14)

Chlorobenzilate

Component Type : Single Peak Component
Retention Time : 9.395 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Area ratio / Amount ratio)
User Values:
Label :
Value 1: 100.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	25.0000	12504.99	8062.72	0.0198	0.2500	1
2	50.0000	19449.94	12725.86	0.0310	0.5000	1
3	100.0000	41262.82	25664.17	0.0636	1.0000	1
4	150.0000	58317.98	37411.44	0.0936	1.5000	1
5	300.0000	128904.03	80385.57	0.2004	3.0000	1
6	600.0000	249735.09	159060.89	0.3812	6.0000	1

Average Calibration Factor = 0.066240 (%RSD = 9.92)

ENDRIN

Component Type : Single Peak Component
Retention Time : 9.431 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 87.500000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	33768.51	19073.30	0.0372	0.0500	1
2	10.0000	52904.46	29150.40	0.0585	0.1000	1
3	20.0000	100847.68	56393.29	0.1089	0.2000	1
4	50.0000	219521.02	128174.20	0.2543	0.5000	1
5	100.0000	458274.77	276043.05	0.5256	1.0000	1
6	200.0000	856491.51	527579.70	0.9957	2.0000	1

Average Calibration Factor = 0.567552 (%RSD = 16.17)

4,4'-DDD

Component Type : Single Peak Component
Retention Time : 9.569 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label : 0
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	29306.00	14855.96	0.0290	0.0500	1
2	10.0000	48654.05	23593.98	0.0473	0.1000	1
3	20.0000	93062.94	46320.99	0.0894	0.2000	1
4	50.0000	204198.08	106560.12	0.2115	0.5000	1
5	100.0000	415966.00	235267.13	0.4480	1.0000	1
6	200.0000	789517.40	465621.61	0.8788	2.0000	1

Average Calibration Factor = 0.468369 (%RSD = 12.14)

ENDOSULFAN II

Component Type : Single Peak Component
Retention Time : 9.712 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	34250.90	19615.64	0.0383	0.0500	1
2	10.0000	58187.15	32095.66	0.0644	0.1000	1
3	20.0000	113344.57	63935.46	0.1234	0.2000	1
4	50.0000	250396.82	146223.51	0.2902	0.5000	1
5	100.0000	512577.20	307470.51	0.5855	1.0000	1
6	200.0000	977255.10	602717.01	1.1375	2.0000	1

Average Calibration Factor = 0.626788 (%RSD = 11.68)

4,4'-DDT

Component Type : Single Peak Component
Retention Time : 10.005 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000

Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	23618.80	12899.94	0.0252	0.0500	1
2	10.0000	35921.67	18587.36	0.0373	0.1000	1
3	20.0000	71305.60	37054.41	0.0715	0.2000	1
4	50.0000	161850.40	86006.04	0.1707	0.5000	1
5	100.0000	364917.43	199893.45	0.3806	1.0000	1
6	200.0000	682357.10	387318.65	0.7310	2.0000	1

Average Calibration Factor = 0.386870 (%RSD = 15.15)

ENDRIN ALDEHYDE

Component Type : Single Peak Component
Retention Time : 10.190 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	32581.50	16548.04	0.0323	0.0500	1
2	10.0000	48295.28	23617.92	0.0474	0.1000	1
3	20.0000	90637.00	46744.83	0.0902	0.2000	1
4	50.0000	200961.58	105073.06	0.2085	0.5000	1
5	100.0000	410684.34	216449.57	0.4122	1.0000	1
6	200.0000	770652.76	425585.83	0.8032	2.0000	1

Average Calibration Factor = 0.466881 (%RSD = 19.62)

ENDO. SULFATE

Component Type : Single Peak Component
Retention Time : 10.612 min Search Window: 3.00 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	31454.84	15315.64	0.0299	0.0500	1
2	10.0000	49446.10	23844.44	0.0478	0.1000	1
3	20.0000	98149.39	47358.39	0.0914	0.2000	1
4	50.0000	207351.80	104503.92	0.2074	0.5000	1
5	100.0000	460463.96	225484.17	0.4294	1.0000	1
6	200.0000	846725.00	433823.22	0.8188	2.0000	1

Average Calibration Factor = 0.464398 (%RSD = 15.13)

METHOXYCHLOR

Component Type : Single Peak Component
Retention Time : 11.094 min Search Window: 3.54 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 875.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	13578.18	6200.59	0.0121	0.0500	1
2	10.0000	20210.20	9130.53	0.0183	0.1000	1
3	20.0000	39653.60	18059.80	0.0349	0.2000	1
4	50.0000	87793.70	39453.40	0.0783	0.5000	1
5	100.0000	193548.90	85142.48	0.1621	1.0000	1
6	200.0000	337362.65	154847.93	0.2923	2.0000	1

Average Calibration Factor = 0.177365 (%RSD = 19.28)

ENDRIN KETONE
Component Type : Single Peak Component
Retention Time : 11.503 min Search Window: 3.48 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 20.000000
Value 2: 0.000000
Value 3: 25.000000
Value 4: 50.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	5.0000	36206.10	17041.69	0.0332	0.0500	1
2	10.0000	58000.92	26183.25	0.0525	0.1000	1
3	20.0000	111616.62	50737.77	0.0979	0.2000	1
4	50.0000	240034.30	110370.00	0.2190	0.5000	1
5	100.0000	487897.22	230960.59	0.4398	1.0000	1
6	200.0000	899575.46	434282.58	0.8196	2.0000	1

Average Calibration Factor = 0.494567 (%RSD = 18.82)

PCB195
Component Type : Single Peak Component
Retention Time : 12.424 min Search Window: 5.34 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000

Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	1250278.68	525674.58	1.0000	1.0000	1
2	200.0000	1237521.21	514796.54	1.0000	1.0000	1
3	200.0000	1385987.30	577877.60	1.0000	1.0000	1
4	200.0000	1240648.70	520486.48	1.0000	1.0000	1
5	200.0000	1340867.94	569898.84	1.0000	1.0000	1
6	200.0000	1304811.54	555052.54	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

Y

Component Type : Single Peak Component
Retention Time : 13.421 min Search Window: 6.48 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard :
Use Average Calibration Factor (Height ratio / Amount ratio)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	200.0000	1075195.20	428995.81	1.0000	1.0000	1
2	200.0000	1060516.20	414773.90	1.0000	1.0000	1
3	200.0000	1190443.60	471068.97	1.0000	1.0000	1
4	200.0000	1064376.50	427248.79	1.0000	1.0000	1
5	200.0000	1157093.60	460394.28	1.0000	1.0000	1
6	200.0000	1119169.80	443841.87	1.0000	1.0000	1

Average Calibration Factor = 1.000000 (%RSD = 0.00)

DCB

Component Type : Single Peak Component
Retention Time : 13.978 min Search Window: 3.78 s, 0.00 %
Reference Component:
Find peak closest to expected RT in window
Internal Standard : ISODRIN
Calibrating Height ratio versus Amount ratio using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 10.000000
Value 2: 0.200000
Value 3: 10.000000
Value 4: 200.000000
Value 5: 20.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	2.5000	29642.30	9166.11	0.0179	0.0250	1
2	5.0000	41838.50	14491.11	0.0291	0.0500	1
3	10.0000	76669.80	27156.22	0.0524	0.1000	1
4	20.0000	126094.40	46044.83	0.0914	0.2000	1
5	40.0000	238203.53	88483.63	0.1685	0.4000	1
6	80.0000	413612.16	156057.12	0.2945	0.8000	1

Calibration Curve : y = (0.015332) + (0.356679)x + (0.000000)x^2 + (0.000000)x^3

R-squared : 0.995920

Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06
Sample Number: AI2418
Operator : Analyst

Time : 4/22/2006 09:01 AM
Study : ICAL 1

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

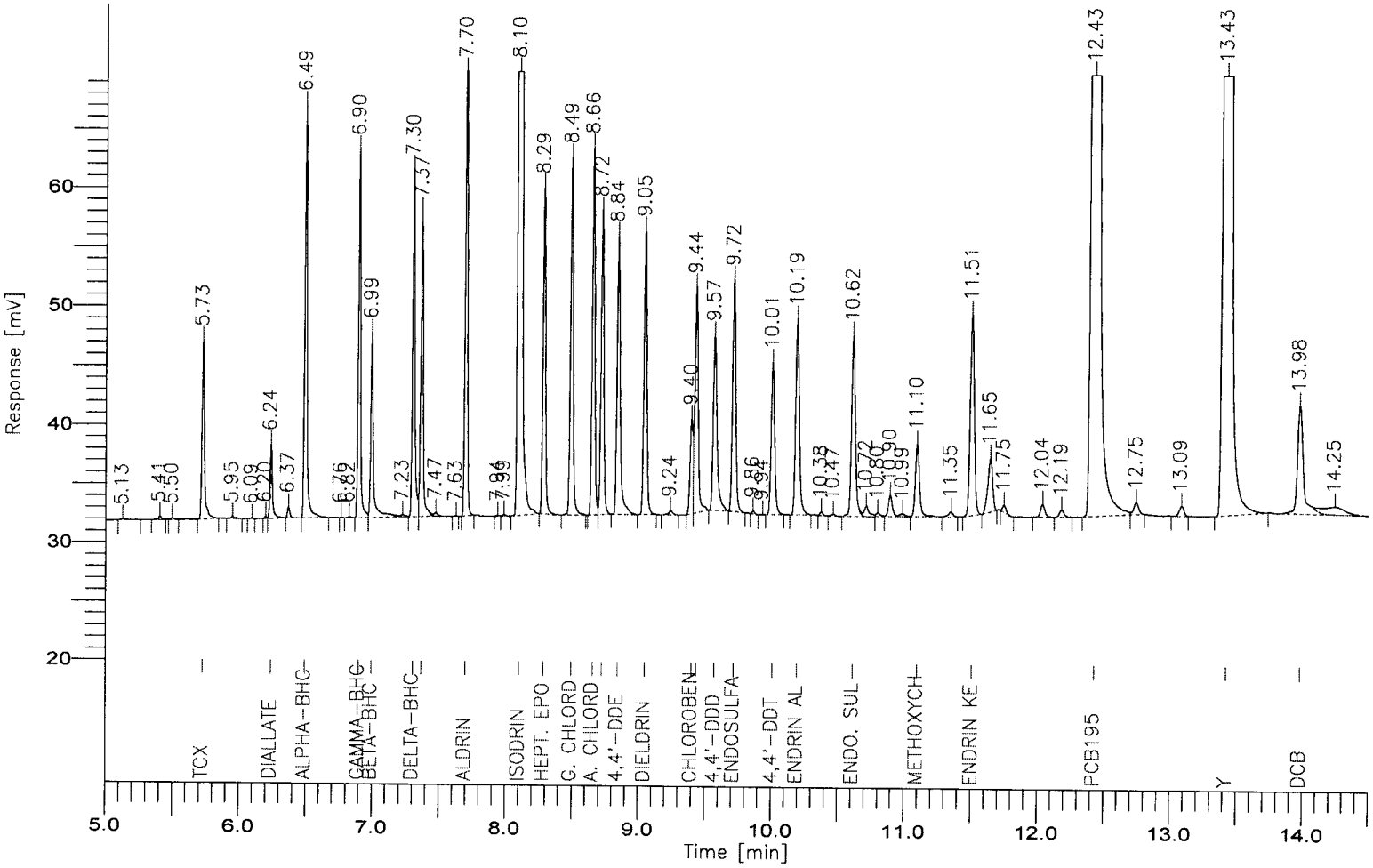
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 02:49 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9028.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9028.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9028.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.726	TCX	2.50	2.0e+02	2.50	20265	15197	-0.023	TCX	-0.0013	5.727	1	1.2	8e+0
6.238	Diallate	25.00	-------	25.00	8099	6287	-0.003	Diallate	-0.0002	6.239	1	-----	-----
6.494	ALPHA-BHC	5.00	-------	5.00	43866	35143	-0.007	ALPHA-BHC	-0.0005	6.495	1	-----	-----
6.898	GAMMA-BHC	5.00	-------	5.00	37610	31184	0.004	GAMMA-BHC	0.0003	6.898	1	-----	-----
6.993	BETA-BHC	5.00	-------	5.00	22219	15714	0.009	BETA-BHC	0.0007	6.992	1	-----	-----
7.304	DELTA-BHC	5.00	-------	5.00	37250	29555	0.014	DELTA-BHC	0.0010	7.303	1	-----	-----
7.367	HEPTACHLOR	5.00	-------	5.00	33696	25912	0.012	HEPTACHLOR	0.0009	7.366	1	-----	-----
7.698	ALDRIN	5.00	-------	5.00	49185	41812	0.021	ALDRIN	0.0016	7.696	1	-----	-----
8.101	ISODRIN	100.00	-------	100.00	631657	512644	0.024	ISODRIN	0.0019	8.099	1	-----	99.
8.286	HEPT. EPOXIDE	5.00	-------	5.00	37649	27671	0.026	HEPT. EPOXIDE	0.0021	8.284	1	-----	-----
8.492	G. CHLORDANE	5.00	-------	5.00	43838	30352	0.028	G. CHLORDANE	0.0024	8.490	1	-----	-----
8.656	A. CHLORDANE	5.00	-------	5.00	43299	31122	0.027	A. CHLORDANE	0.0024	8.654	1	-----	-----
8.723	ENDOSULFAN I	5.00	-------	5.00	37792	25697	0.028	ENDOSULFAN I	0.0025	8.721	1	-----	-----
8.844	4,4'-DDE	5.00	-------	5.00	40480	23574	0.031	4,4'-DDE	0.0027	8.842	1	-----	-----
9.049	DIELDRIN	5.00	-------	5.00	37384	24027	0.031	DIELDRIN	0.0028	9.046	1	-----	-----
9.400	Chlorobenzila	25.00	-------	25.00	12505	8063	0.046	Chlorobenzila	0.0043	9.395	1	-----	-----
9.435	ENDRIN	5.00	-------	5.00	33769	19073	0.039	ENDRIN	0.0037	9.431	1	-----	-----
9.572	4,4'-DDD	5.00	-------	5.00	29306	14856	0.035	4,4'-DDD	0.0033	9.569	1	-----	-----
9.715	ENDOSULFAN II	5.00	-------	5.00	34251	19616	0.035	ENDOSULFAN II	0.0034	9.712	1	-----	-----
10.009	4,4'-DDT	5.00	-------	5.00	23619	12900	0.039	4,4'-DDT	0.0039	10.005	1	-----	-----
10.194	ENDRIN ALDEHY	5.00	-------	5.00	32581	16548	0.039	ENDRIN ALDEHY	0.0040	10.190	1	-----	-----
10.615	ENDO. SULFATE	5.00	-------	5.00	31455	15316	0.032	ENDO. SULFATE	0.0034	10.612	1	-----	-----
11.098	METHOXYCHLOR	5.00	-------	5.00	13578	6201	0.035	METHOXYCHLOR	0.0038	11.094	1	-----	-----
11.508	ENDRIN KETONE	5.00	-------	5.00	36206	17042	0.037	ENDRIN KETONE	0.0043	11.503	1	-----	-----
12.428	PCB195	200.00	-------	200.00	1250279	525675	0.032	PCB195	0.0040	12.424	1	-----	-----
13.425	Y	200.00	-------	200.00	1075195	428996	0.030	Y	0.0040	13.421	1	-----	-----
13.982	DCB	2.50	2.0e+02	2.50	29642	9166	0.033	DCB	0.0046	13.978	1	1.2	5e+0
		655.00			3726677	1969341							

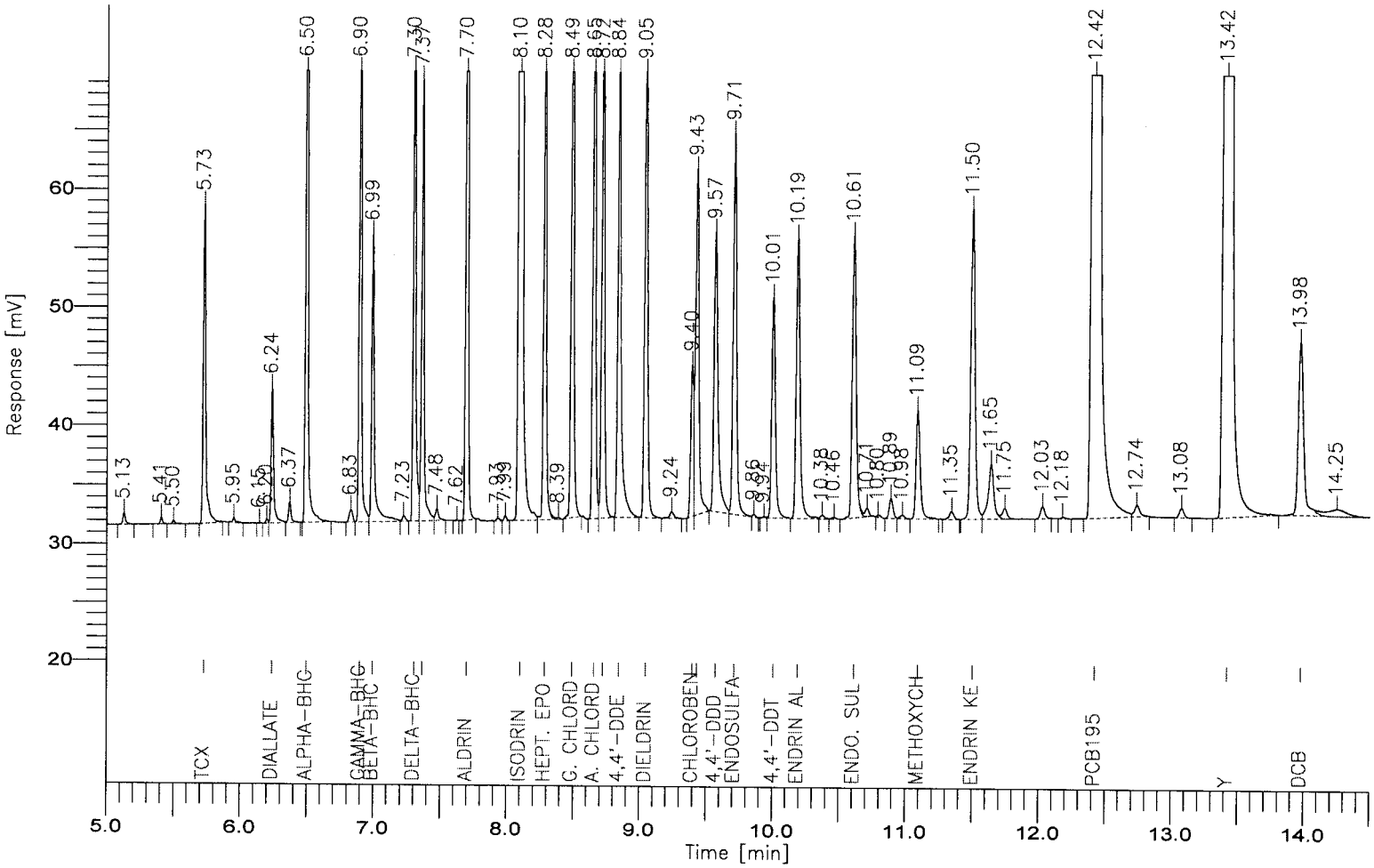
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:01 AM
Sample Number: AI2419 Study : ICAL 2
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 03:09 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9029.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9029.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9029.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.728	TCX	5.00	2.0e+02	5.00	37082	27064	0.004	TCX	0.0002	5.727	1	2.5	1e+0
6.239	Diallate	50.00	-------	50.00	15110	11405	0.003	Diallate	0.0002	6.239	1	-----	-----
6.495	ALPHA-BHC	10.00	-------	10.00	74147	60927	0.003	ALPHA-BHC	0.0002	6.495	1	-----	-----
6.898	GAMMA-BHC	10.00	-------	10.00	59136	50219	0.002	GAMMA-BHC	0.0001	6.898	1	-----	-----
6.993	BETA-BHC	10.00	-------	10.00	35275	24420	0.008	BETA-BHC	0.0005	6.992	1	-----	-----
7.303	DELTA-BHC	10.00	-------	10.00	59195	47202	-0.003	DELTA-BHC	-0.0002	7.303	1	-----	-----
7.366	HEPTACHLOR	10.00	-------	10.00	48802	37378	-0.006	HEPTACHLOR	-0.0004	7.366	1	-----	-----
7.697	ALDRIN	10.00	-------	10.00	81396	68495	0.006	ALDRIN	0.0004	7.696	1	-----	-----
8.100	ISODRIN	100.00	-------	100.00	628177	498561	0.009	ISODRIN	0.0007	8.099	1	-----	96.
8.284	HEPT. EPOXIDE	10.00	-------	10.00	61457	44645	0.004	HEPT. EPOXIDE	0.0004	8.284	1	-----	-----
8.490	G. CHLORDANE	10.00	-------	10.00	70001	49690	0.004	G. CHLORDANE	0.0004	8.490	1	-----	-----
8.654	A. CHLORDANE	10.00	-------	10.00	71841	50742	0.004	A. CHLORDANE	0.0003	8.654	1	-----	-----
8.721	ENDOSULFAN I	10.00	-------	10.00	62431	42109	0.004	ENDOSULFAN I	0.0004	8.721	1	-----	-----
8.843	4,4'-DDE	10.00	-------	10.00	69299	38969	0.011	4,4'-DDE	0.0010	8.842	1	-----	-----
9.046	DIELDRIN	10.00	-------	10.00	62477	39618	0.001	DIELDRIN	0.0001	9.046	1	-----	-----
9.397	Chlorobenzila	50.00	-------	50.00	19450	12726	0.018	Chlorobenzila	0.0017	9.395	1	-----	-----
9.432	ENDRIN	10.00	-------	10.00	52904	29150	0.006	ENDRIN	0.0006	9.431	1	-----	-----
9.570	4,4'-DDD	10.00	-------	10.00	48654	23594	0.016	4,4'-DDD	0.0016	9.569	1	-----	-----
9.713	ENDOSULFAN II	10.00	-------	10.00	58187	32096	0.013	ENDOSULFAN II	0.0012	9.712	1	-----	-----
10.007	4,4'-DDT	10.00	-------	10.00	35922	18587	0.015	4,4'-DDT	0.0015	10.005	1	-----	-----
10.191	ENDRIN ALDEHY	10.00	-------	10.00	48295	23618	0.010	ENDRIN ALDEHY	0.0010	10.190	1	-----	-----
10.613	ENDO. SULFATE	10.00	-------	10.00	49446	23844	0.006	ENDO. SULFATE	0.0006	10.612	1	-----	-----
11.094	METHOXYCHLOR	10.00	-------	10.00	20210	9131	-0.004	METHOXYCHLOR	-0.0004	11.094	1	-----	-----
11.504	ENDRIN KETONE	10.00	-------	10.00	58001	26183	0.006	ENDRIN KETONE	0.0007	11.503	1	-----	-----
12.424	PCB195	200.00	-------	200.00	1237521	514797	0.001	PCB195	0.0002	12.424	1	-----	-----
13.420	Y	200.00	-------	200.00	1060516	414774	-0.003	Y	-0.0004	13.421	1	-----	-----
13.979	DCB	5.00	2.0e+02	5.00	41838	14491	0.008	DCB	0.0011	13.978	1	2.5	7e+0
		810.00			4166773	2234435							

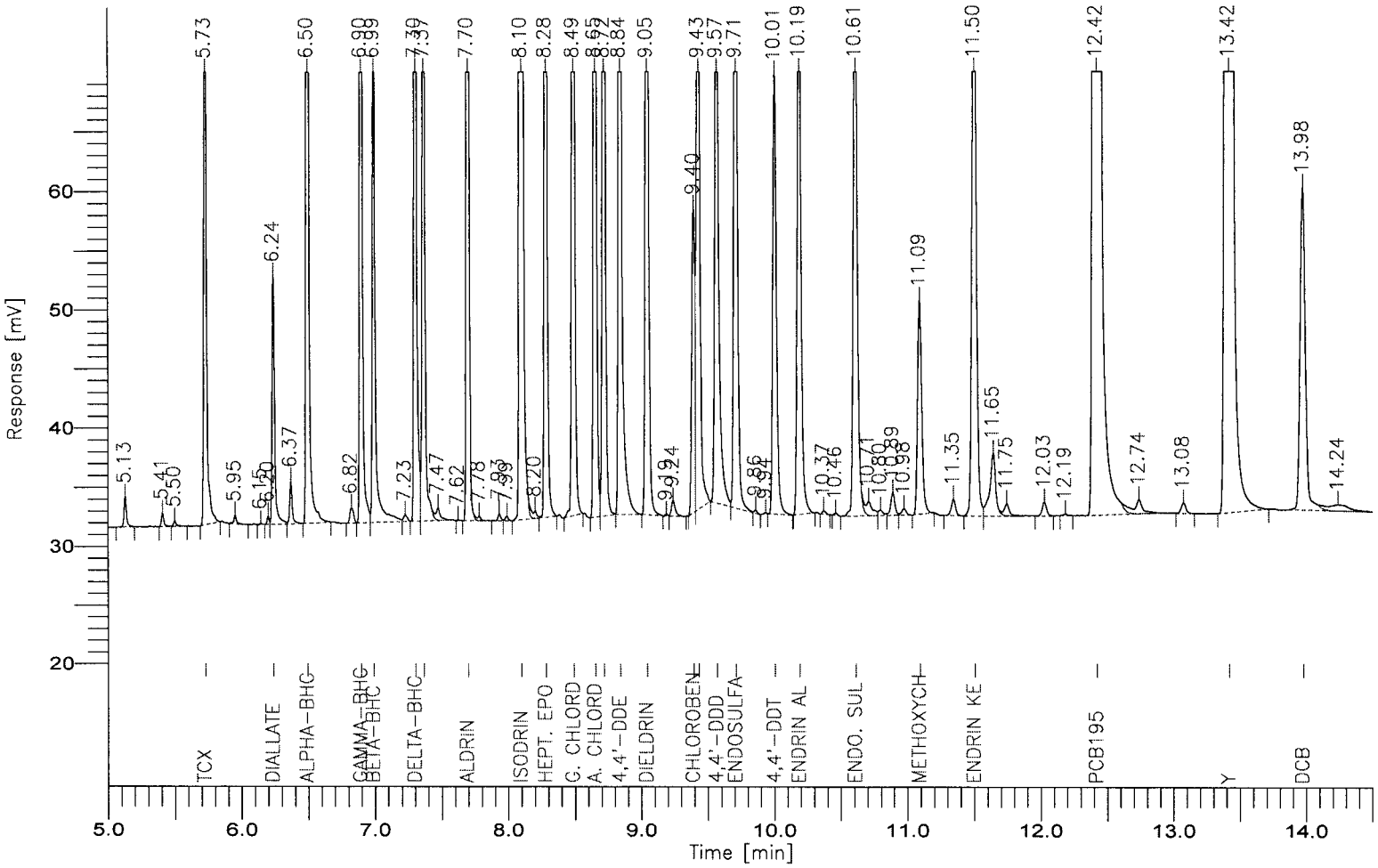
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/106 Time : 4/22/2006 09:01 AM
Sample Number: AI2420 Study : ICAL 3
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 03:29 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9030.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9030.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9030.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.727	TCX	10.00	2.0e+02	10.00	70202	53617	0.000	TCX	-0.0000	5.727	1	5.0	3e+0
6.239	Diallate	100.00	-------	100.00	28012	21022	1e-15	Diallate	-0.0000	6.239	1	-----	-----
6.495	ALPHA-BHC	20.00	-------	20.00	143540	121214	5e-15	ALPHA-BHC	-0.0000	6.495	1	-----	-----
6.898	GAMMA-BHC	20.00	-------	20.00	112424	95176	4e-15	GAMMA-BHC	-0.0000	6.898	1	-----	-----
6.992	BETA-BHC	20.00	-------	20.00	64479	46115	-6e-15	BETA-BHC	-9e-16	6.992	1	-----	-----
7.303	DELTA-BHC	20.00	-------	20.00	114752	95425	2e-15	DELTA-BHC	-0.0000	7.303	1	-----	-----
7.366	HEPTACHLOR	20.00	-------	20.00	87136	66869	-3e-15	HEPTACHLOR	-0.0000	7.366	1	-----	-----
7.696	ALDRIN	20.00	-------	20.00	154218	131254	-8e-16	ALDRIN	-0.0000	7.696	1	-----	-----
8.099	ISODRIN	100.00	-------	100.00	648965	518020	-7e-15	ISODRIN	-2e-15	8.099	1	-----	100.
8.284	HEPT. EPOXIDE	20.00	-------	20.00	114847	86446	7e-15	HEPT. EPOXIDE	-0.0000	8.284	1	-----	-----
8.490	G. CHLORDANE	20.00	-------	20.00	135154	98172	-1e-15	G. CHLORDANE	-0.0000	8.490	1	-----	-----
8.654	A. CHLORDANE	20.00	-------	20.00	138435	100525	0.000	A. CHLORDANE	-0.0000	8.654	1	-----	-----
8.721	ENDOSULFAN I	20.00	-------	20.00	119809	82444	7e-15	ENDOSULFAN I	-0.0000	8.721	1	-----	-----
8.842	4,4'-DDE	20.00	-------	20.00	134938	80882	5e-15	4,4'-DDE	-0.0000	8.842	1	-----	-----
9.046	DIELDRIN	20.00	-------	20.00	118540	77118	3e-15	DIELDRIN	-0.0000	9.046	1	-----	-----
9.395	Chlorobenzila	100.00	-------	100.00	41263	25664	0.000	Chlorobenzila	-0.0000	9.395	1	-----	-----
9.431	ENDRIN	20.00	-------	20.00	100848	56393	3e-15	ENDRIN	-0.0000	9.431	1	-----	-----
9.569	4,4'-DDD	20.00	-------	20.00	93063	46321	4e-15	4,4'-DDD	-0.0000	9.569	1	-----	-----
9.712	ENDOSULFAN II	20.00	-------	20.00	113345	63935	7e-15	ENDOSULFAN II	-0.0000	9.712	1	-----	-----
10.005	4,4'-DDT	20.00	-------	20.00	71306	37054	7e-15	4,4'-DDT	-0.0000	10.005	1	-----	-----
10.190	ENDRIN ALDEHY	20.00	-------	20.00	90637	46745	5e-15	ENDRIN ALDEHY	-0.0000	10.190	1	-----	-----
10.612	ENDO. SULFATE	20.00	-------	20.00	98149	47358	2e-15	ENDO. SULFATE	-0.0000	10.612	1	-----	-----
11.094	METHOXYCHLOR	20.00	-------	20.00	39654	18060	5e-15	METHOXYCHLOR	-0.0000	11.094	1	-----	-----
11.503	ENDRIN KETONE	20.00	-------	20.00	111617	50738	7e-15	ENDRIN KETONE	-0.0000	11.503	1	-----	-----
12.424	PCB195	200.00	-------	200.00	1385987	577878	-3e-15	PCB195	-0.0000	12.424	1	-----	-----
13.421	Y	200.00	-------	200.00	1190444	471069	6e-15	Y	-0.0000	13.421	1	-----	-----
13.978	DCB	10.00	2.0e+02	10.00	76670	27156	9e-16	DCB	-0.0000	13.978	1	5.0	1e+0
		1120.00			5598433	3142669							

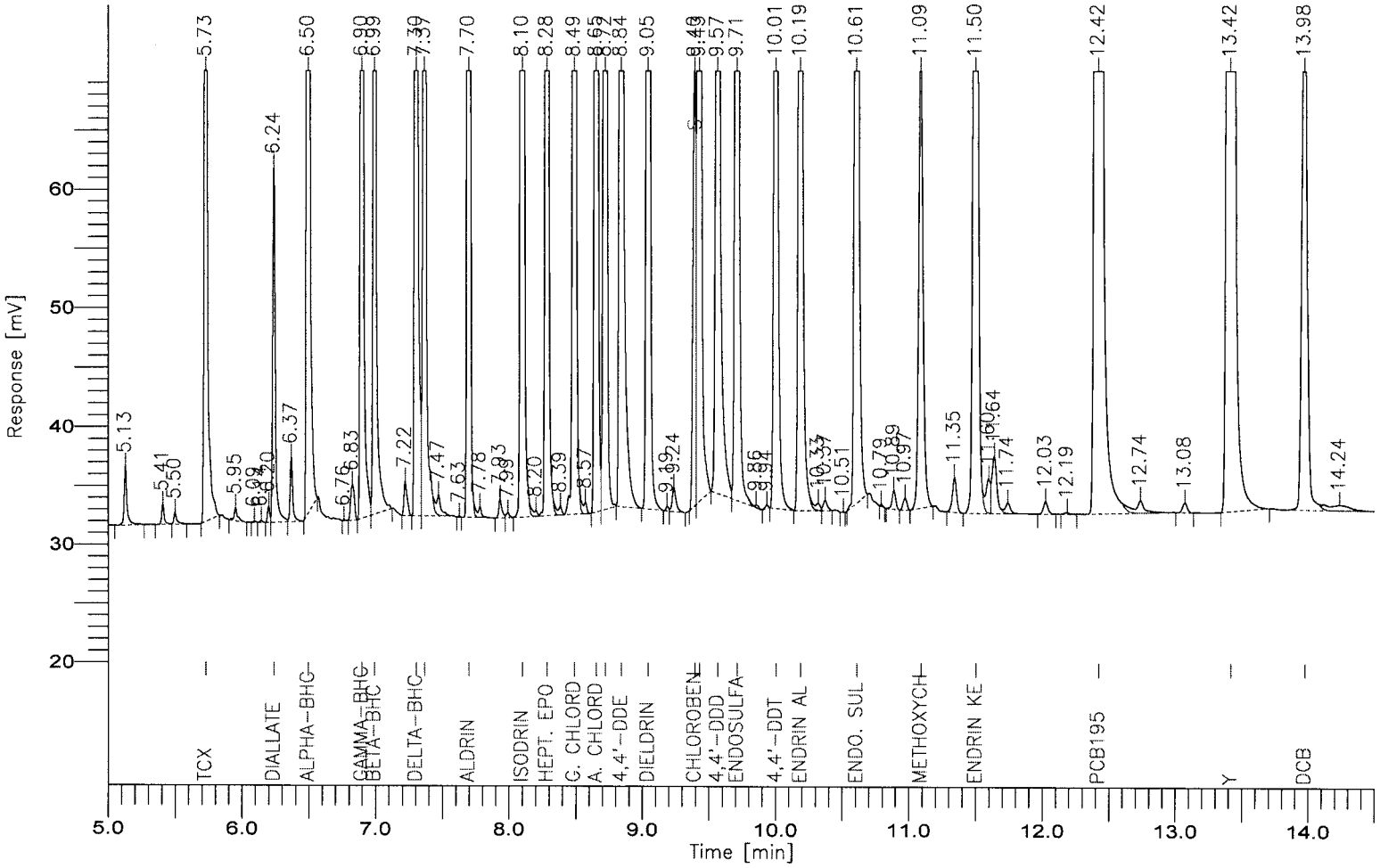
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:01 AM
Sample Number: AI2421 Study : ICAL 4
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 03:48 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9031.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9031.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9031.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

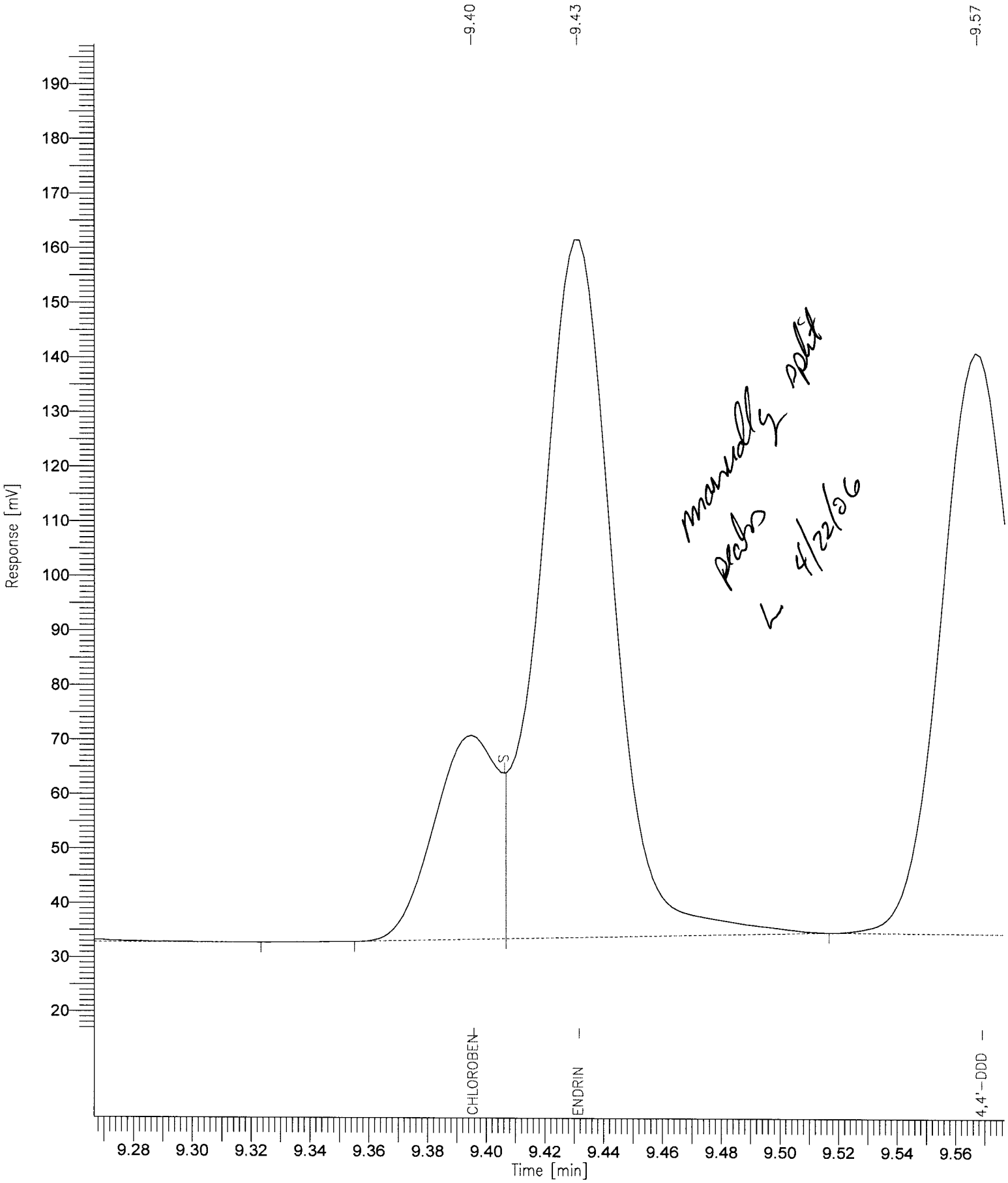
Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.728	TCX	20.00	2.0e+02	20.00	134730	102062	0.002	TCX	0.0001	5.727	1	10.0	5e+0
6.239	Diallate	150.00	-------	150.00	40767	30053	0.006	Diallate	0.0004	6.239	1	-----	-----
6.495	ALPHA-BHC	50.00	-------	50.00	345250	299566	0.001	ALPHA-BHC	0.0001	6.495	1	-----	-----
6.898	GAMMA-BHC	50.00	-------	50.00	273218	238636	-0.002	GAMMA-BHC	-0.0002	6.898	1	-----	-----
6.992	BETA-BHC	50.00	-------	50.00	137777	107995	0.003	BETA-BHC	0.0002	6.992	1	-----	-----
7.303	DELTA-BHC	50.00	-------	50.00	279439	234756	-0.007	DELTA-BHC	-0.0005	7.303	1	-----	-----
7.366	HEPTACHLOR	50.00	-------	50.00	205385	165904	-0.002	HEPTACHLOR	-0.0001	7.366	1	-----	-----
7.696	ALDRIN	50.00	-------	50.00	369976	319633	-0.002	ALDRIN	-0.0002	7.696	1	-----	-----
8.099	ISODRIN	100.00	-------	100.00	623027	503941	-0.000	ISODRIN	-0.0000	8.099	1	-----	97.
8.284	HEPT. EPOXIDE	50.00	-------	50.00	271655	208117	-0.003	HEPT. EPOXIDE	-0.0002	8.284	1	-----	-----
8.490	G. CHLORDANE	50.00	-------	50.00	325939	236860	-0.005	G. CHLORDANE	-0.0004	8.490	1	-----	-----
8.654	A. CHLORDANE	50.00	-------	50.00	330105	243394	0.002	A. CHLORDANE	0.0002	8.654	1	-----	-----
8.721	ENDOSULFAN I	50.00	-------	50.00	283287	198796	0.005	ENDOSULFAN I	0.0004	8.721	1	-----	-----
8.841	4,4'-DDE	50.00	-------	50.00	321485	201564	-0.008	4,4'-DDE	-0.0007	8.842	1	-----	-----
9.045	DIELDRIN	50.00	-------	50.00	275985	180818	-0.005	DIELDRIN	-0.0005	9.046	1	-----	-----
9.395	Chlorobenzila	150.00	-------	150.00	58318	37411	-0.006	Chlorobenzila	-0.0005	9.395	1	-----	-----
9.431	ENDRIN	50.00	-------	50.00	219521	128174	-0.001	ENDRIN	-0.0001	9.431	1	-----	-----
9.567	4,4'-DDD	50.00	-------	50.00	204198	106560	-0.019	4,4'-DDD	-0.0019	9.569	1	-----	-----
9.711	ENDOSULFAN II	50.00	-------	50.00	250397	146224	-0.002	ENDOSULFAN II	-0.0002	9.712	1	-----	-----
10.005	4,4'-DDT	50.00	-------	50.00	161850	86006	-0.010	4,4'-DDT	-0.0010	10.005	1	-----	-----
10.189	ENDRIN ALDEHY	50.00	-------	50.00	200962	105073	-0.010	ENDRIN ALDEHY	-0.0011	10.190	1	-----	-----
10.610	ENDO. SULFATE	50.00	-------	50.00	207352	104504	-0.019	ENDO. SULFATE	-0.0020	10.612	1	-----	-----
11.092	METHOXYCHLOR	50.00	-------	50.00	87794	39453	-0.022	METHOXYCHLOR	-0.0024	11.094	1	-----	-----
11.502	ENDRIN KETONE	50.00	-------	50.00	240034	110370	-0.012	ENDRIN KETONE	-0.0013	11.503	1	-----	-----
12.423	PCB195	200.00	-------	200.00	1240649	520486	-0.014	PCB195	-0.0018	12.424	1	-----	-----
13.419	Y	200.00	-------	200.00	1064377	427249	-0.014	Y	-0.0019	13.421	1	-----	-----
13.977	DCB	20.00	2.0e+02	20.00	126094	46045	-0.009	DCB	-0.0012	13.978	1	10.0	2e+0
		1840.00			8279570	5129650							

manually split peaks
L 4/22/06

Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9031.RAW
Method :
Start Time : 9.27 min End Time : 9.58 min
Scale Factor: 0.0 Plot Offset: 17 mV

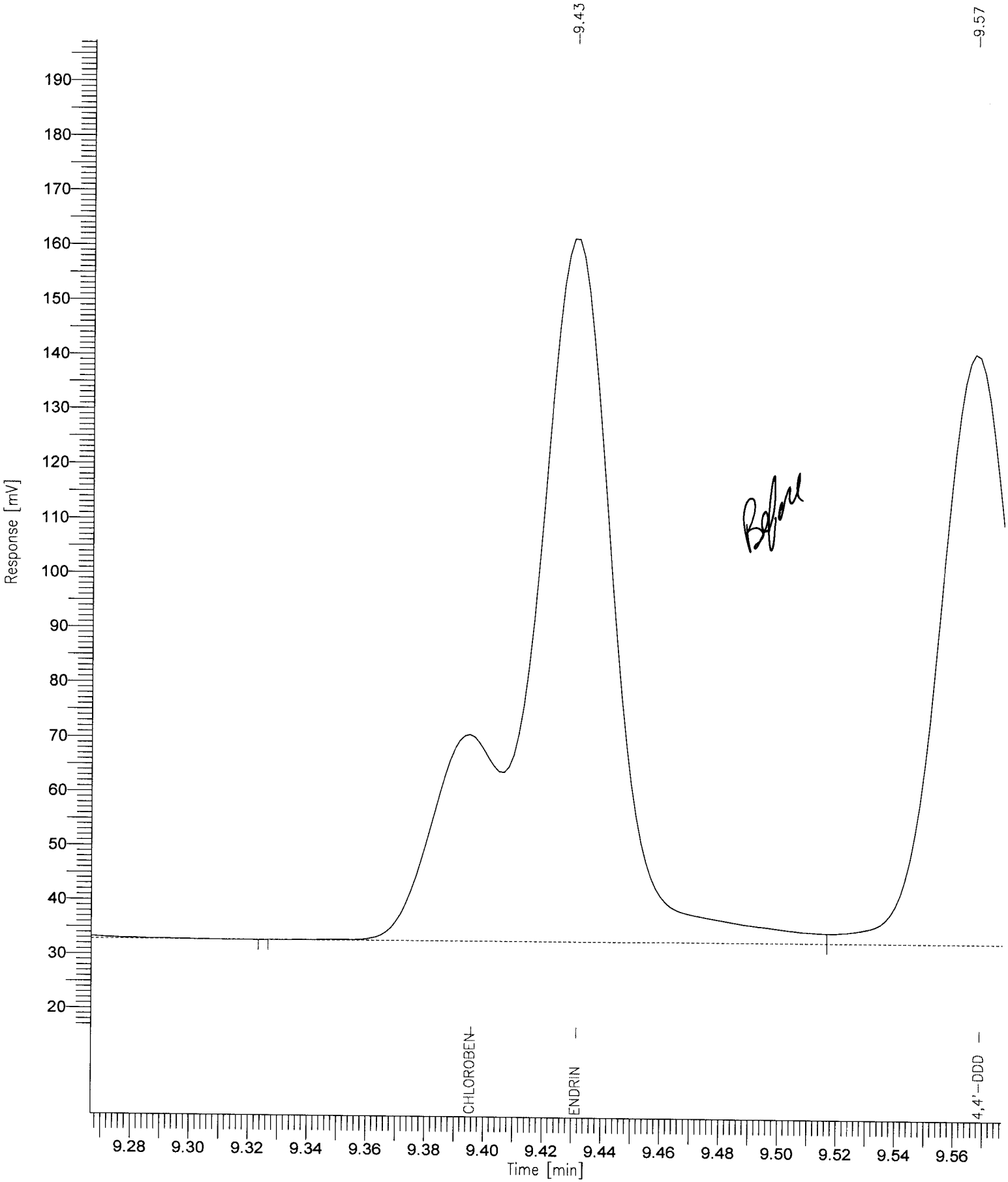
Sample #: AI2421 Page 1 of 1
Date : 4/22/2006 08:38 AM
Time of Injection: 4/21/2006 03:48 PM
Low Point : 16.96 mV High Point : 197.26 mV
Plot Scale: 180.3 mV



Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9031.RAW
Method :
Start Time : 9.27 min End Time : 9.58 min
Scale Factor: 0.0 Plot Offset: 17 mV

Sample #: AI2421 Page 1 of 1
Date : 4/22/2006 08:38 AM
Time of Injection: 4/21/2006 03:48 PM
Low Point : 16.96 mV High Point : 197.26 mV
Plot Scale: 180.3 mV



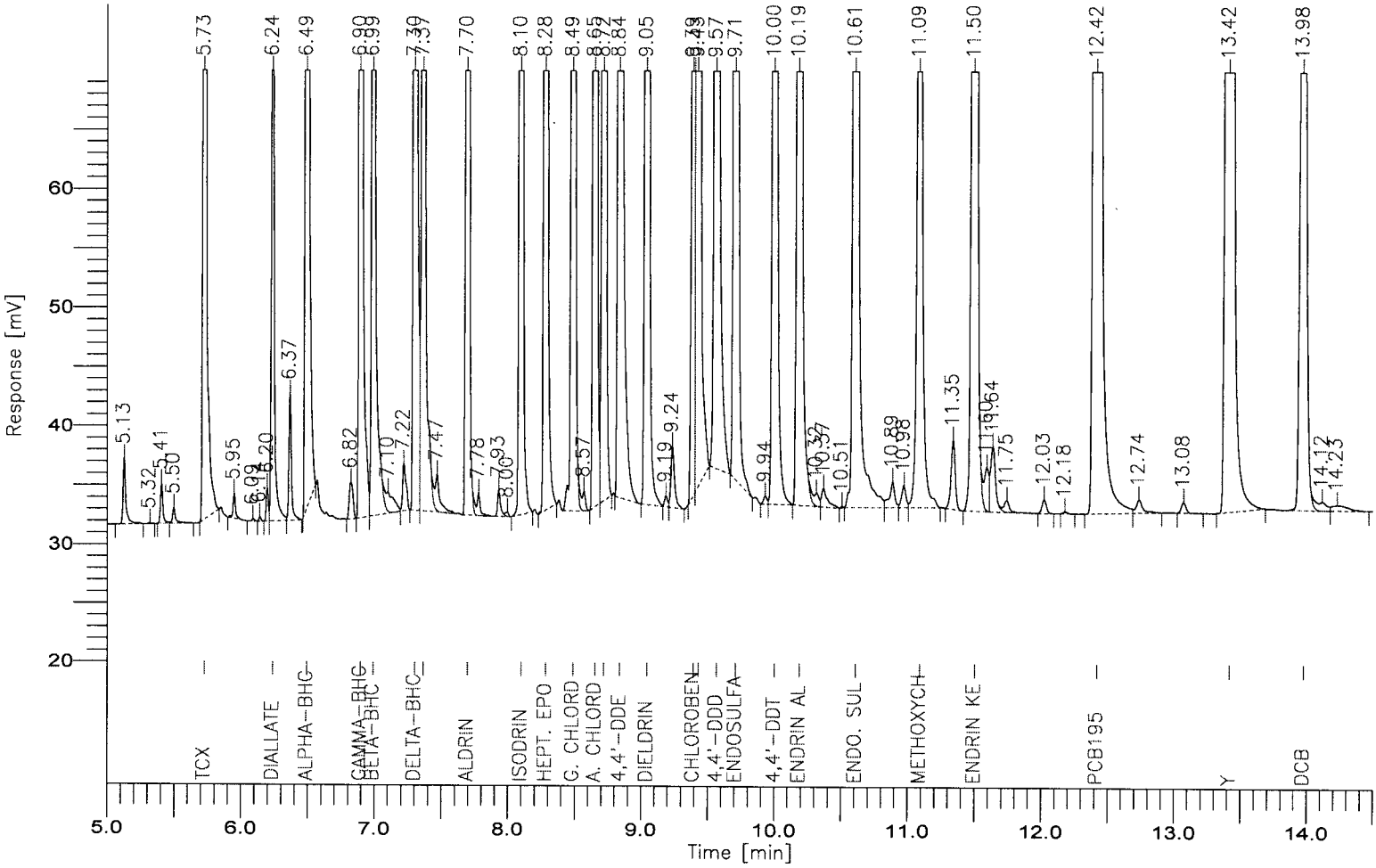
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:01 AM
Sample Number: AI2422 Study : ICAL 5
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 04:08 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9032.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9032.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9032.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

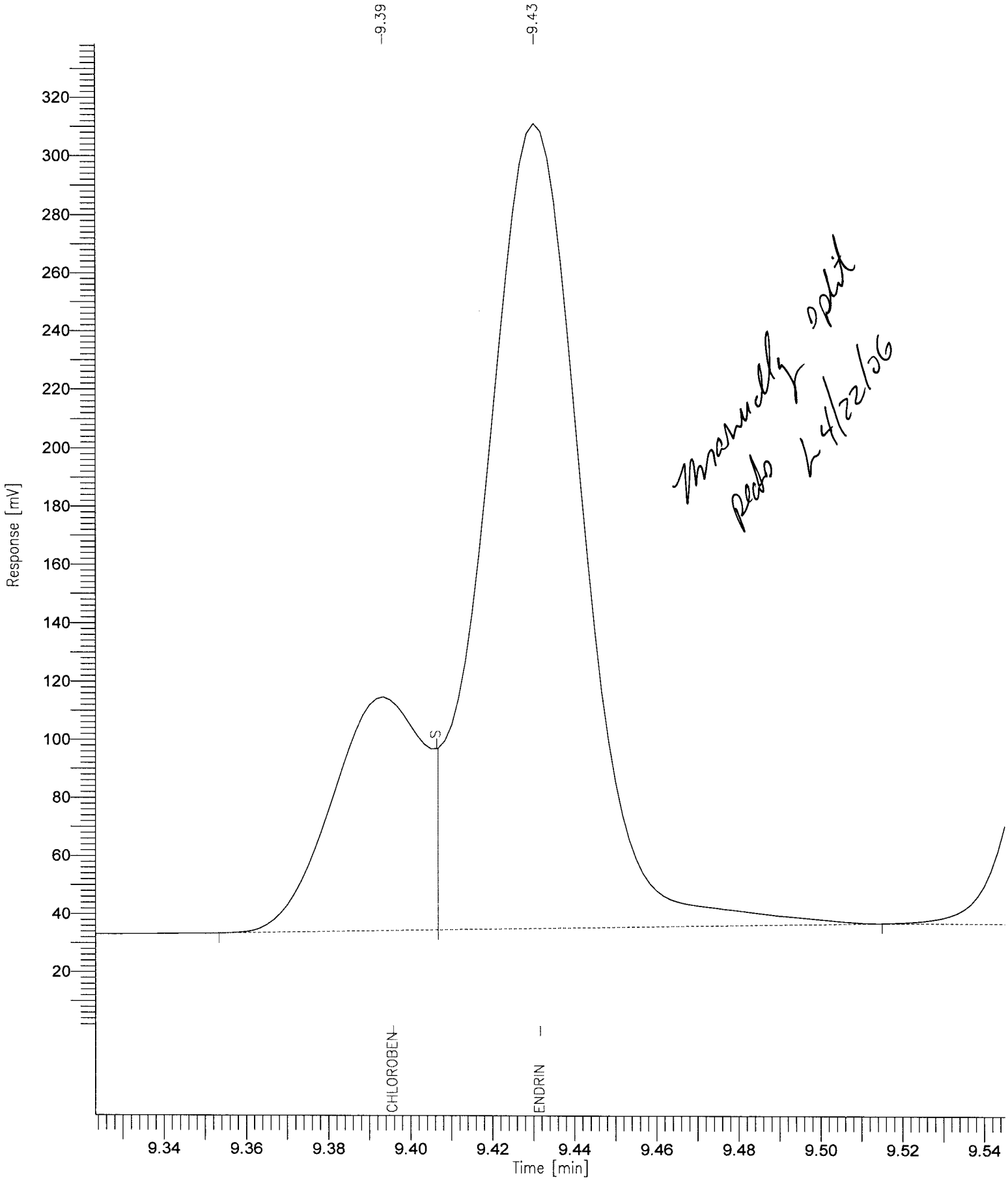
Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.726	TCX	40.00	2.0e+02	40.00	266012	213318	-0.017	TCX	-0.0010	5.727	1	20.0	1e+0
6.238	Diallate	300.00	-------	300.00	74831	56750	-0.017	Diallate	-0.0011	6.239	1	-----	-----
6.493	ALPHA-BHC	100.00	-------	100.00	707490	633634	-0.017	ALPHA-BHC	-0.0011	6.495	1	-----	-----
6.897	GAMMA-BHC	100.00	-------	100.00	576684	512611	-0.017	GAMMA-BHC	-0.0012	6.898	1	-----	-----
6.991	BETA-BHC	100.00	-------	100.00	278167	222960	-0.018	BETA-BHC	-0.0012	6.992	1	-----	-----
7.302	DELTA-BHC	100.00	-------	100.00	586629	511361	-0.017	DELTA-BHC	-0.0012	7.303	1	-----	-----
7.365	HEPTACHLOR	100.00	-------	100.00	446731	368886	-0.014	HEPTACHLOR	-0.0010	7.366	1	-----	-----
7.696	ALDRIN	100.00	-------	100.00	733062	643810	-0.010	ALDRIN	-0.0008	7.696	1	-----	-----
8.099	ISODRIN	100.00	-------	100.00	643194	525157	-0.009	ISODRIN	-0.0007	8.099	1	-----	101.
8.283	HEPT. EPOXIDE	100.00	-------	100.00	545787	429420	-0.009	HEPT. EPOXIDE	-0.0008	8.284	1	-----	-----
8.489	G. CHLORDANE	100.00	-------	100.00	655180	495158	-0.012	G. CHLORDANE	-0.0010	8.490	1	-----	-----
8.653	A. CHLORDANE	100.00	-------	100.00	662102	490714	-0.013	A. CHLORDANE	-0.0011	8.654	1	-----	-----
8.720	ENDOSULFAN I	100.00	-------	100.00	569113	411980	-0.009	ENDOSULFAN I	-0.0007	8.721	1	-----	-----
8.840	4,4'-DDE	100.00	-------	100.00	651928	440010	-0.022	4,4'-DDE	-0.0019	8.842	1	-----	-----
9.045	DIELDRIN	100.00	-------	100.00	552932	371435	-0.012	DIELDRIN	-0.0010	9.046	1	-----	-----
9.393	Chlorobenzila	300.00	-------	300.00	128904	80386	-0.023	Chlorobenzila	-0.0021	9.395	1	-----	-----
9.430	ENDRIN	100.00	-------	100.00	458275	276043	-0.009	ENDRIN	-0.0008	9.431	1	-----	-----
9.566	4,4'-DDD	100.00	-------	100.00	415966	235267	-0.029	4,4'-DDD	-0.0028	9.569	1	-----	-----
9.710	ENDOSULFAN II	100.00	-------	100.00	512577	307471	-0.014	ENDOSULFAN II	-0.0014	9.712	1	-----	-----
10.004	4,4'-DDT	100.00	-------	100.00	364917	199893	-0.016	4,4'-DDT	-0.0016	10.005	1	-----	-----
10.189	ENDRIN ALDEHY	100.00	-------	100.00	410684	216450	-0.016	ENDRIN ALDEHY	-0.0016	10.190	1	-----	-----
10.610	ENDO. SULFATE	100.00	-------	100.00	460464	225484	-0.019	ENDO. SULFATE	-0.0021	10.612	1	-----	-----
11.092	METHOXYCHLOR	100.00	-------	100.00	193549	85142	-0.021	METHOXYCHLOR	-0.0023	11.094	1	-----	-----
11.501	ENDRIN KETONE	100.00	-------	100.00	487897	230961	-0.017	ENDRIN KETONE	-0.0020	11.503	1	-----	-----
12.422	PCB195	200.00	-------	200.00	1340868	569899	-0.017	PCB195	-0.0021	12.424	1	-----	-----
13.419	Y	200.00	-------	200.00	1157094	460394	-0.015	Y	-0.0020	13.421	1	-----	-----
13.976	DCB	40.00	2.0e+02	40.00	238204	88484	-0.012	DCB	-0.0017	13.978	1	20.0	4e+0
		3180.00			14119241	9303077							

manually spkt
peaks
L 4/22/06

Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9032.RAW
Method :
Start Time : 9.32 min End Time : 9.55 min
Scale Factor: 0.0 Plot Offset: 1 mV

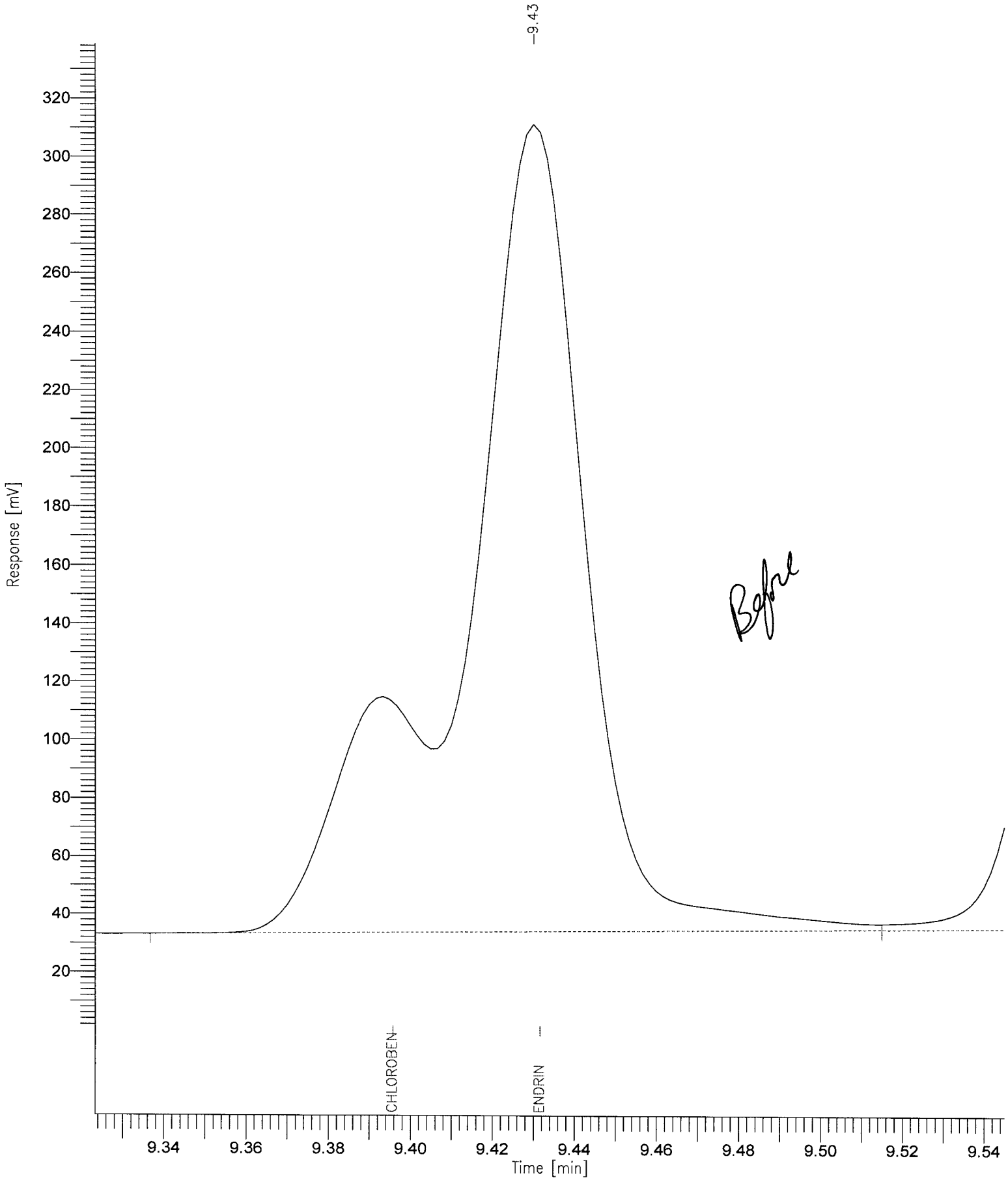
Sample #: AI2422 Page 1 of 1
Date : 4/22/2006 08:39 AM
Time of Injection: 4/21/2006 04:08 PM
Low Point : 1.45 mV High Point : 338.46 mV
Plot Scale: 337.0 mV



Chromatogram

Sample Name : PEST 4/19/06
FileName : K:\#GST\#SEQ\D19S6W\S#B9032.RAW
Method :
Start Time : 9.32 min End Time : 9.55 min
Scale Factor: 0.0 Plot Offset: 1 mV

Sample #: AI2422 Page 1 of 1
Date : 4/22/2006 08:38 AM
Time of Injection: 4/21/2006 04:08 PM
Low Point : 1.45 mV High Point : 338.46 mV
Plot Scale: 337.0 mV



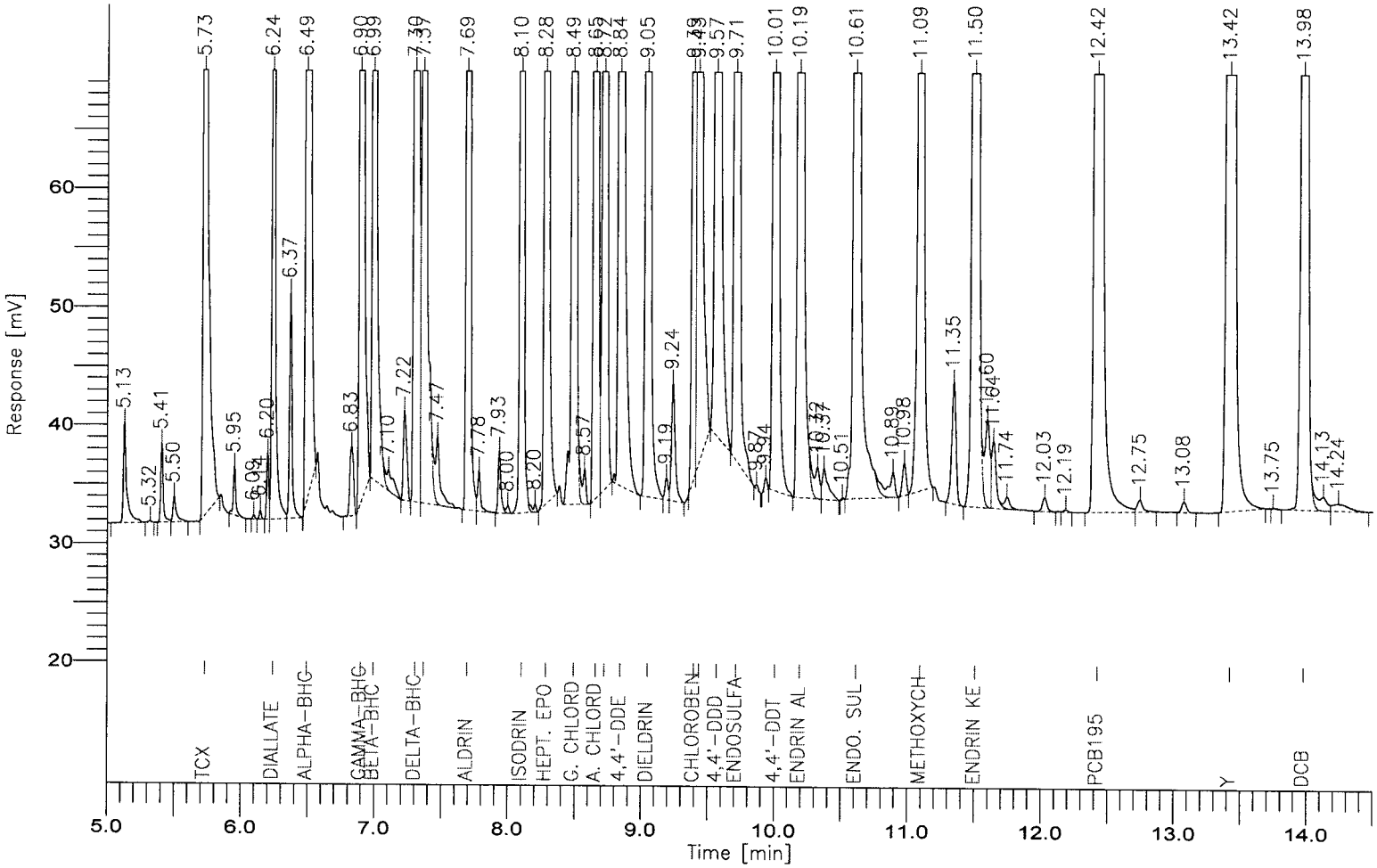
Software Version: 4.1<2F12>
Sample Name : PEST 4/21/06 Time : 4/22/2006 09:01 AM
Sample Number: AI2423 Study : ICAL 6
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 04:28 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9033.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9033.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9033.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.727	TCX	80.00	2.0e+02	80.00	518186	419032	-0.006	TCX	-0.0003	5.727	1	40.0	2e+0
6.238	Diallate	600.00	-------	600.00	137128	105229	-0.003	Diallate	-0.0002	6.239	1	-----	-----
6.491	ALPHA-BHC	152.46	------- + +	152.46*	1289641	979578	-0.057	ALPHA-BHC	-0.0037	6.495	1	-----	-----
6.896	GAMMA-BHC	200.00	------- +	200.00*	1116160	978869	-0.027	GAMMA-BHC	-0.0019	6.898	1	-----	-----
6.992	BETA-BHC	200.00	-------	200.00	518077	449572	-0.004	BETA-BHC	-0.0003	6.992	1	-----	-----
7.302	DELTA-BHC	184.17	------- + +	184.17*	1149085	968906	-0.008	DELTA-BHC	-0.0006	7.303	1	-----	-----
7.366	HEPTACHLOR	200.00	-------	200.00	854268	709792	0.000	HEPTACHLOR	0.0000	7.366	1	-----	-----
7.692	ALDRIN	153.28	------- + +	153.28*	1303584	983606	-0.052	ALDRIN	-0.0040	7.696	1	-----	-----
8.100	ISODRIN	100.00	-------	100.00	655120	529843	0.008	ISODRIN	0.0006	8.099	1	-----	102.
8.284	HEPT. EPOXIDE	200.00	-------	200.00	1050015	820256	0.004	HEPT. EPOXIDE	0.0003	8.284	1	-----	-----
8.490	G. CHLORDANE	200.00	-------	200.00	1261042	962266	0.004	G. CHLORDANE	0.0003	8.490	1	-----	-----
8.654	A. CHLORDANE	200.00	-------	200.00	1268126	945682	0.005	A. CHLORDANE	0.0004	8.654	1	-----	-----
8.721	ENDOSULFAN I	200.00	-------	200.00	1095136	794409	0.010	ENDOSULFAN I	0.0009	8.721	1	-----	-----
8.841	4,4'-DDE	200.00	-------	200.00	1244436	844999	-0.007	4,4'-DDE	-0.0007	8.842	1	-----	-----
9.046	DIELDRIN	200.00	-------	200.00	1057591	725331	0.002	DIELDRIN	0.0002	9.046	1	-----	-----
9.394	Chlorobenzila	600.00	-------	600.00	249735	159061	-0.010	Chlorobenzila	-0.0009	9.395	1	-----	-----
9.432	ENDRIN	200.00	-------	200.00	856492	527580	0.010	ENDRIN	0.0010	9.431	1	-----	-----
9.567	4,4'-DDD	200.00	-------	200.00	789517	465622	-0.023	4,4'-DDD	-0.0022	9.569	1	-----	-----
9.712	ENDOSULFAN II	200.00	-------	200.00	977255	602717	0.006	ENDOSULFAN II	0.0005	9.712	1	-----	-----
10.005	4,4'-DDT	200.00	-------	200.00	682357	387319	-0.006	4,4'-DDT	-0.0006	10.005	1	-----	-----
10.191	ENDRIN ALDEHY	200.00	-------	200.00	770653	425586	0.006	ENDRIN ALDEHY	0.0006	10.190	1	-----	-----
10.612	ENDO. SULFATE	200.00	-------	200.00	846725	433823	0.004	ENDO. SULFATE	0.0004	10.612	1	-----	-----
11.093	METHOXYCHLOR	200.00	-------	200.00	337363	154848	-0.011	METHOXYCHLOR	-0.0012	11.094	1	-----	-----
11.504	ENDRIN KETONE	200.00	-------	200.00	899575	434283	0.004	ENDRIN KETONE	0.0005	11.503	1	-----	-----
12.424	PCB195	200.00	-------	200.00	1304812	555053	-0.006	PCB195	-0.0008	12.424	1	-----	-----
13.420	Y	200.00	-------	200.00	1119170	443842	-0.002	Y	-0.0003	13.421	1	-----	-----
13.977	DCB	80.00	2.0e+02	80.00	413612	156057	-0.007	DCB	-0.0009	13.978	1	40.0	8e+0
		5749.91			23764860	2e+07							

* Dropped 6th level

L 4/22/06

Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE
Sample Number: AI2429
Operator : Analyst

Time : 4/22/2006 08:44 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

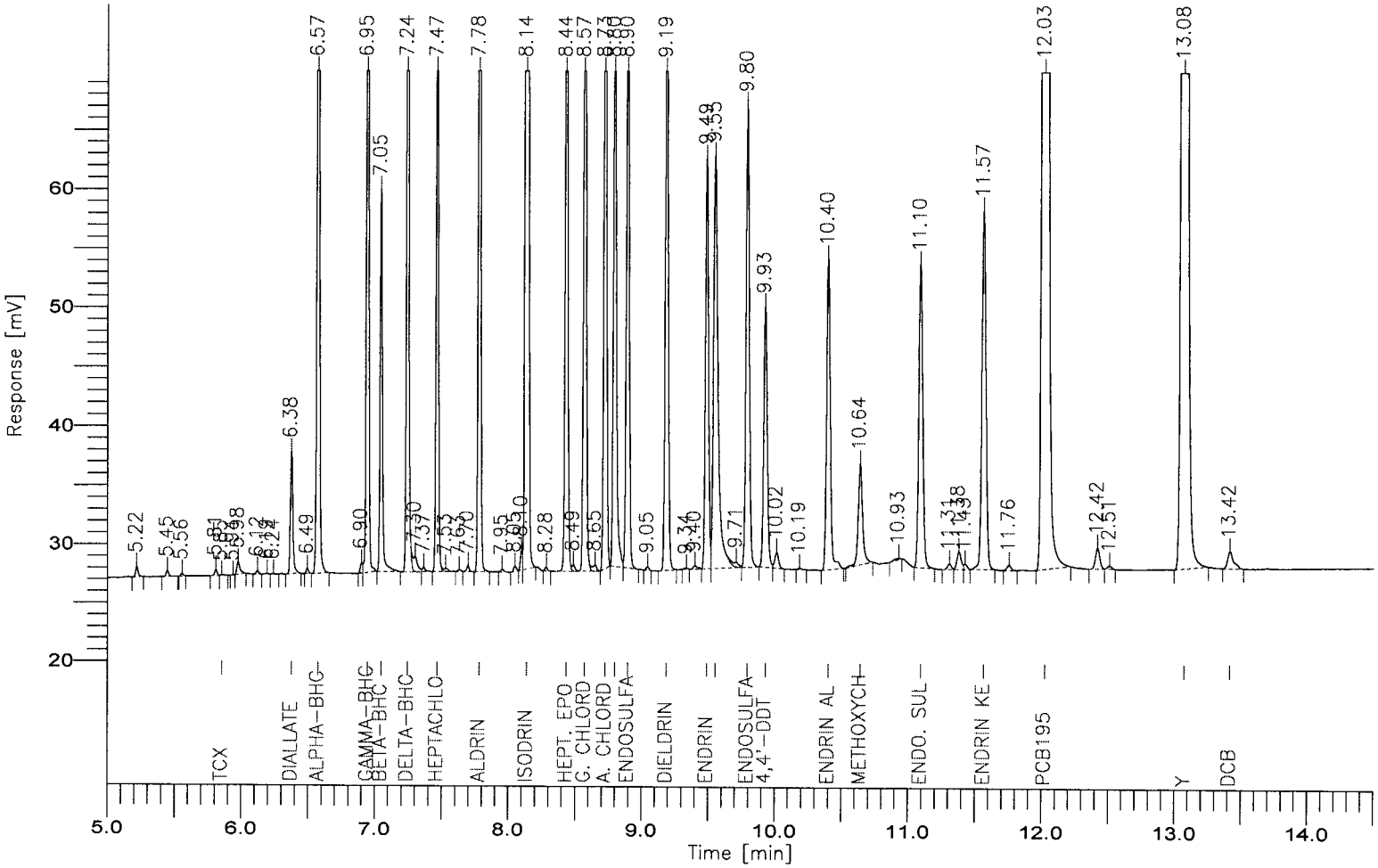
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 04:47 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9034.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9034.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9034.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.853	-0.0402	TCX	163	90	10.00000	0.03496	TCX	-99.6504	44937.5000
6.376	-0.0219	Diallate	13279	10367	100.00000	94.16082	Diallate	-5.8392	----------
6.574	-0.0305	ALPHA-BHC	108433	93326	20.00000	22.94641	ALPHA-BHC	14.7321	----------
6.945	-0.0256	GAMMA-BHC	86915	76566	20.00000	23.17456	GAMMA-BHC	15.8728	----------
7.047	-0.0255	BETA-BHC	39513	32298	20.00000	22.38558	BETA-BHC	11.9279	----------
7.244	-0.0260	DELTA-BHC	84918	74838	20.00000	22.64624	DELTA-BHC	13.2312	----------
7.466	-0.0270	HEPTACHLOR	57493	48925	20.00000	25.09657	HEPTACHLOR	25.4829	----------
7.782	-0.0196	ALDRIN	95561	81276	20.00000	22.41931	ALDRIN	12.0966	----------
8.138	-0.0243	ISODRIN	373515	295238	0.00000	100.00000	ISODRIN	----------	98.6951
8.435	-0.0216	HEPT. EPOXIDE	76781	57607	20.00000	22.60671	HEPT. EPOXIDE	13.0335	----------
8.573	-0.0297	G. CHLORDANE	84182	60784	20.00000	22.94265	G. CHLORDANE	14.7133	----------
8.726	-0.0226	A. CHLORDANE	82079	58600	20.00000	22.19874	A. CHLORDANE	10.9937	----------
8.798	-0.0190	4,4'-DDE	74717	49339	20.00000	21.22087	4,4'-DDE	6.1044	----------
8.897	-0.0235	ENDOSULFAN I	74806	50812	20.00000	22.68432	ENDOSULFAN I	13.4216	----------
9.189	-0.0273	DIELDRIN	75894	50159	20.00000	22.43717	DIELDRIN	12.1859	----------
9.491	-0.0312	ENDRIN	55441	34713	20.00000	21.31136	ENDRIN	6.5568	----------
9.553	-0.0323	DDD & Chlorobe	81966	34823	120.00000	105.42499	DDD & Chlorobe	-12.1458	----------
9.795	-0.0287	ENDOSULFAN II	66904	38946	20.00000	22.59765	ENDOSULFAN II	12.9882	----------
9.931	-0.0303	4,4'-DDT	40378	22028	20.00000	22.80351	4,4'-DDT	14.0176	----------
10.403	-0.0301	ENDRIN ALDEHYD	51080	26267	20.00000	21.83782	ENDRIN ALDEHYD	9.1891	----------
10.642	-0.0206	METHOXYCHLOR	19408	8532	20.00000	21.28748	METHOXYCHLOR	6.4374	----------
11.095	-0.0332	ENDO. SULFATE	52382	25558	20.00000	21.07194	ENDO. SULFATE	5.3597	----------
11.568	-0.0425	ENDRIN KETONE	64087	30244	20.00000	21.94645	ENDRIN KETONE	9.7323	----------
12.027	-0.0254	PCB195	674293	292795	0.00000	200.00000	PCB195	----------	----------
13.075	-0.0390	Y	566609	227941	0.00000	200.00000	Y	----------	----------
13.418	-0.3681	DCB	4576	1455	10.00000	1.24118	DCB	-87.5882	7.2763e+05
			3005376	1783527				22.8531	7.7267e+05

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9034.TX0

Surrogate not added
L 4/22/06

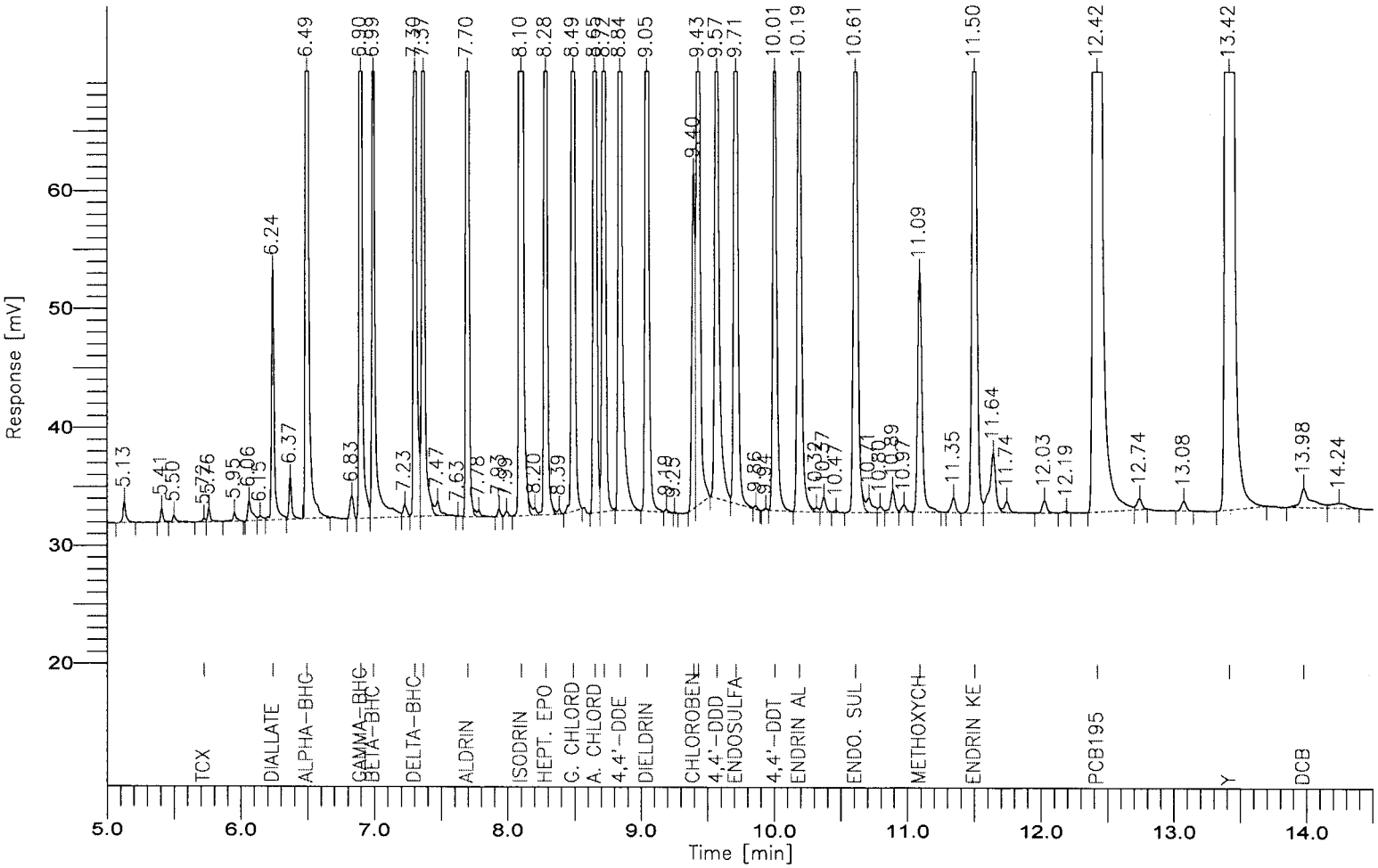
Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE Time : 4/22/2006 08:44 AM
Sample Number: AI2429 Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 04:47 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9034.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9034.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9034.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.724	-0.0904	TCX	491	278	10.00000	0.04778	TCX	-99.5222	1.3892e+05
6.239	-0.0135	Diallate	29821	21224	100.00000	105.57585	Diallate	5.5759	----------
6.494	-0.0156	ALPHA-BHC	174670	143060	20.00000	23.08466	ALPHA-BHC	15.4233	----------
6.898	-0.0089	GAMMA-BHC	136808	114425	20.00000	22.98173	GAMMA-BHC	14.9087	----------
6.992	-0.0116	BETA-BHC	78088	54355	20.00000	22.87599	BETA-BHC	14.3800	----------
7.302	-0.0177	DELTA-BHC	138882	113605	20.00000	23.22567	DELTA-BHC	16.1283	----------
7.366	-0.0172	HEPTACHLOR	111100	85934	20.00000	22.90303	HEPTACHLOR	14.5151	----------
7.696	-0.0162	ALDRIN	181745	154604	20.00000	21.82732	ALDRIN	9.1366	----------
8.099	-0.0074	ISODRIN	650929	522442	0.00000	100.00000	ISODRIN	----------	102.5313
8.284	-0.0132	HEPT. EPOXIDE	134774	102813	20.00000	22.76899	HEPT. EPOXIDE	13.8449	----------
8.490	-0.0105	G. CHLORDANE	161642	117518	20.00000	23.01123	G. CHLORDANE	15.0561	----------
8.653	-0.0161	A. CHLORDANE	160678	114800	20.00000	21.95203	A. CHLORDANE	9.7601	----------
8.721	-0.0105	ENDOSULFAN I	141426	97130	20.00000	22.76423	ENDOSULFAN I	13.8211	----------
8.841	-0.0119	4,4'-DDE	156393	96279	20.00000	21.75586	4,4'-DDE	8.7793	----------
9.045	-0.0137	DIELDRIN	140165	89516	20.00000	22.21488	DIELDRIN	11.0744	----------
9.395	-0.0055	Chlorobenzilat	45441	28450	100.00000	97.44197	Chlorobenzilat	-2.5580	----------
9.431	-0.0105	ENDRIN	117409	66887	20.00000	21.90657	ENDRIN	9.5329	----------
9.568	-0.0096	4,4'-DDD	106539	52939	20.00000	20.28463	4,4'-DDD	1.4231	----------
9.711	-0.0053	ENDOSULFAN II	131005	74554	20.00000	23.23145	ENDOSULFAN II	16.1572	----------
10.005	-0.0037	4,4'-DDT	83976	43355	20.00000	20.20763	4,4'-DDT	1.0382	----------
10.190	-0.0077	ENDRIN ALDEHYD	101876	51888	20.00000	22.09443	ENDRIN ALDEHYD	10.4721	----------
10.611	-0.0110	ENDO. SULFATE	107087	51333	20.00000	21.01124	ENDO. SULFATE	5.0562	----------
11.092	-0.0061	METHOXYCHLOR	46958	20246	20.00000	21.47941	METHOXYCHLOR	7.3971	----------
11.502	-0.0200	ENDRIN KETONE	122339	54154	20.00000	20.97324	ENDRIN KETONE	4.8662	----------
12.423	-0.0144	PCB195	1270919	534474	0.00000	200.00000	PCB195	----------	----------
13.419	-0.0141	Y	1090839	432194	0.00000	200.00000	Y	----------	----------
13.978	-0.0103	DCB	9474	1637	10.00000	-3.07156	DCB	-130.7156	8.1848e+05
			5631475	3240094				-14.4490	9.5750e+05

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9034.TX0

Software Version: 4.1<2F12>
Sample Name : PEM
Sample Number: AI2387
Operator : Analyst

Time : 4/21/2006 02:04 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

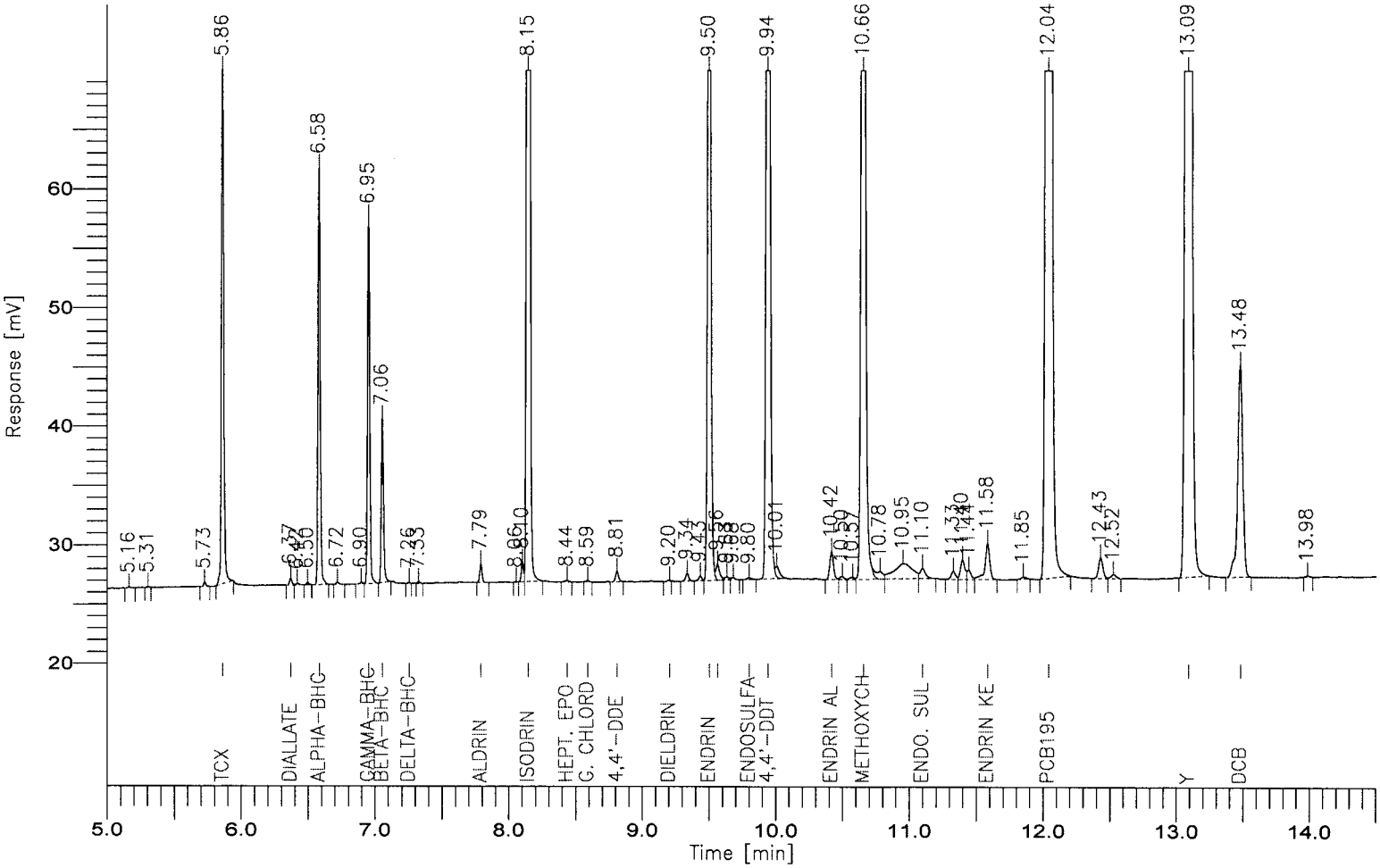
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 01:32 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9025.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9025.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9025.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D18S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.862	TCX	20.03	2.0e+02	20.03	59016	49114	0.123	TCX	0.0072	5.855	1	10.0	-----
6.369	Diallate	5.35	-------	5.35	730	578	-0.129	Diallate	-0.0082	6.377	1	-----	-----
6.583	ALPHA-BHC	9.25	-------	9.25	40502	35254	0.102	ALPHA-BHC	0.0067	6.576	1	-----	-----
6.953	GAMMA-BHC	10.73	-------	10.73	35450	30847	0.094	GAMMA-BHC	0.0065	6.947	1	-----	-----
7.056	BETA-BHC	10.36	-------	10.36	16091	13868	0.098	BETA-BHC	0.0069	7.049	1	-----	-----
7.255	DELTA-BHC	0.03	-------	0.03	114	86	0.134	DELTA-BHC	0.0097	7.246	1	-----	-----
7.468	HEPTACHLOR	0.00	-------	0.00	0	0	------	HEPTACHLOR	-------	------	1	-----	-----
7.790	ALDRIN	0.45	-------	0.45	1930	1560	0.082	ALDRIN	0.0064	7.783	1	-----	-----
8.147	ISODRIN	100.00	-------	100.00	369099	287867	0.083	ISODRIN	0.0068	8.140	1	-----	92.
8.435	HEPT. EPOXIDE	0.05	-------	0.05	254	117	-0.031	HEPT. EPOXIDE	-0.0026	8.438	1	-----	-----
8.589	G. CHLORDANE	0.04	-------	0.04	180	110	0.154	G. CHLORDANE	0.0132	8.576	1	-----	-----
8.728	A. CHLORDANE	0.00	-------	0.00	0	0	------	A. CHLORDANE	-------	------	1	-----	-----
8.809	4,4'-DDE	0.40	-------	0.40	1400	880	0.103	4,4'-DDE	0.0091	8.800	1	-----	-----
8.899	ENDOSULFAN I	0.00	-------	0.00	0	0	------	ENDOSULFAN I	-------	------	1	-----	-----
9.202	DIELDRIN	0.05	-------	0.05	165	96	0.106	DIELDRIN	0.0097	9.192	1	-----	-----
9.503	ENDRIN	48.07	-------	48.07	116505	73514	0.086	ENDRIN	0.0082	9.495	1	-----	-----
9.563	DDD & Chlorob	29.92	------- -	29.92	2496	1289	0.064	DDD & Chlorob	0.0061	9.556	1	-----	-----
9.799	ENDOSULFAN II	0.12	-------	0.12	406	177	0.001	ENDOSULFAN II	0.0001	9.799	1	-----	-----
9.944	4,4'-DDT	138.58	-------	138.58	193259	110621	0.085	4,4'-DDT	0.0084	9.935	1	-----	-----
10.417	ENDRIN ALDEHY	2.19	-------	2.19	4586	2342	0.096	ENDRIN ALDEHY	0.0100	10.407	1	-----	-----
10.655	METHOXYCHLOR	304.84	-------	304.84	197719	100914	0.084	METHOXYCHLOR	0.0089	10.646	1	-----	-----
11.098	ENDO. SULFATE	0.83	-------	0.83	2435	871	-0.023	ENDO. SULFATE	-0.0026	11.101	1	-----	-----
11.583	ENDRIN KETONE	2.59	-------	2.59	7421	3019	0.085	ENDRIN KETONE	0.0098	11.574	1	-----	-----
12.042	PCB195	200.00	-------	200.00	653420	295305	0.079	PCB195	0.0095	12.032	1	-----	-----
13.091	Y	200.00	-------	200.00	546415	224109	0.084	Y	0.0111	13.080	1	-----	-----
13.480	DCB	16.52	2.0e+02	16.52	47860	17872	0.079	DCB	0.0107	13.469	1	8.3	-----
		1100.37			2297454	1250408							

Endrin = $\frac{5361}{78875}$ = 6.8%

DDT = $\frac{2169}{112790}$ = 1.9%

Software Version: 4.1<2F12>
Sample Name : PEM
Sample Number: AI2387
Operator : Analyst

Time : 4/21/2006 02:04 PM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

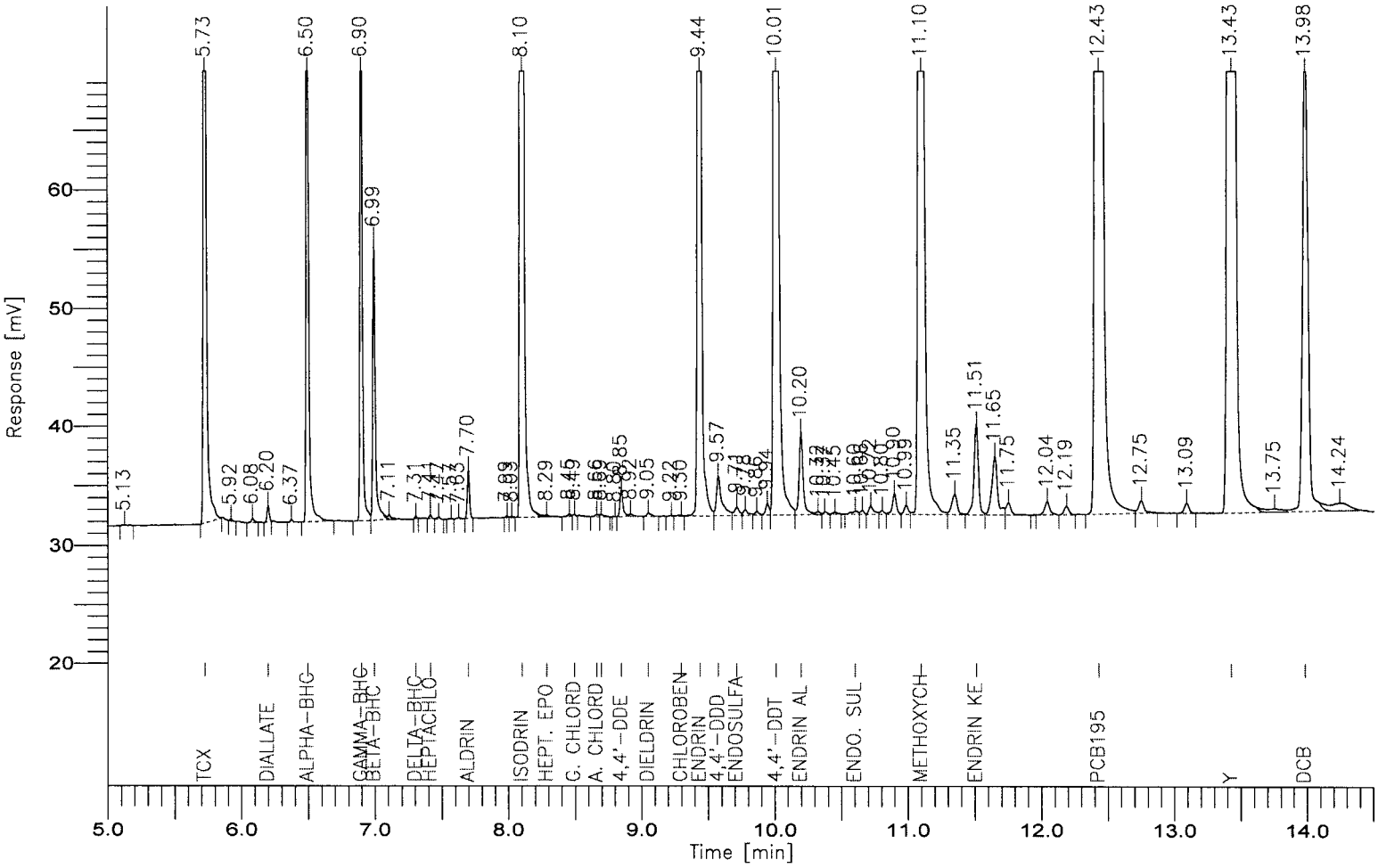
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 01:32 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9025.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9025.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9025.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D18T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GST

Ret Time [min]	Component	Adj. Amount ppb	Spike ppb	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	Component	RT Diff (min)	Expected RT (min)	Final Vol	Rec %	IS Rec %
5.726	TCX	17.68	2.0e+02	17.68	126522	99965	-0.042	TCX	-0.0024	5.729	1	8.8	-----
6.199	Diallate	5.73	-------	5.73	1566	1370	-0.649	Diallate	-0.0405	6.240	1	-----	-----
6.495	ALPHA-BHC	9.54	-------	9.54	68579	55329	-0.009	ALPHA-BHC	-0.0006	6.495	1	-----	-----
6.898	GAMMA-BHC	11.24	-------	11.24	58566	48973	-0.003	GAMMA-BHC	-0.0002	6.898	1	-----	-----
6.993	BETA-BHC	11.03	-------	11.03	31784	23650	-0.005	BETA-BHC	-0.0003	6.993	1	-----	-----
7.305	DELTA-BHC	0.04	-------	0.04	197	186	0.013	DELTA-BHC	0.0009	7.304	1	-----	-----
7.413	HEPTACHLOR	0.09	-------	0.09	369	291	0.612	HEPTACHLOR	0.0451	7.368	1	-----	-----
7.698	ALDRIN	0.60	-------	0.60	4657	4051	0.005	ALDRIN	0.0004	7.698	1	-----	-----
8.102	ISODRIN	100.00	-------	100.00	630467	505782	0.008	ISODRIN	0.0006	8.101	1	-----	97.
8.287	HEPT. EPOXIDE	0.04	-------	0.04	648	157	0.014	HEPT. EPOXIDE	0.0011	8.285	1	-----	-----
8.494	G. CHLORDANE	0.03	-------	0.03	183	150	0.022	G. CHLORDANE	0.0019	8.492	1	-----	-----
8.660	A. CHLORDANE	0.04	-------	0.04	383	197	0.046	A. CHLORDANE	0.0040	8.656	1	-----	-----
8.692	ENDOSULFAN I	0.05	-------	0.05	395	206	-0.349	ENDOSULFAN I	-0.0305	8.723	1	-----	-----
8.846	4,4'-DDE	0.56	-------	0.56	3853	2274	0.022	4,4'-DDE	0.0020	8.844	1	-----	-----
9.049	DIELDRIN	0.07	-------	0.07	667	274	0.010	DIELDRIN	0.0009	9.048	1	-----	-----
9.297	Chlorobenzila	0.83	-------	0.83	322	106	-1.080	Chlorobenzila	-0.1015	9.398	1	-----	-----
9.435	ENDRIN	42.83	-------	42.83	196407	120191	0.017	ENDRIN	0.0016	9.433	1	-----	-----
9.574	4,4'-DDD	1.49	-------	1.49	9293	3329	0.027	4,4'-DDD	0.0026	9.571	1	-----	-----
9.713	ENDOSULFAN II	0.26	-------	0.26	1906	717	-0.018	ENDOSULFAN II	-0.0018	9.715	1	-----	-----
10.010	4,4'-DDT	100.59	-------	100.59	347189	187468	0.019	4,4'-DDT	0.0019	10.008	1	-----	-----
10.196	ENDRIN ALDEHY	3.55	-------	3.55	14782	6922	0.029	ENDRIN ALDEHY	0.0030	10.193	1	-----	-----
10.601	ENDO. SULFATE	0.14	-------	0.14	985	294	-0.123	ENDO. SULFATE	-0.0130	10.614	1	-----	-----
11.097	METHOXYCHLOR	218.78	-------	218.78	400776	187950	0.005	METHOXYCHLOR	0.0006	11.097	1	-----	-----
11.510	ENDRIN KETONE	3.54	-------	3.54	17651	7582	0.030	ENDRIN KETONE	0.0034	11.506	1	-----	-----
12.430	PCB195	200.00	-------	200.00	1183538	512675	0.016	PCB195	0.0020	12.428	1	-----	-----
13.426	Y	200.00	-------	200.00	1005398	407448	0.017	Y	0.0022	13.424	1	-----	-----
13.984	DCB	18.23	2.0e+02	18.23	113918	40903	0.014	DCB	0.0019	13.982	1	9.1	-----
		946.97			4221002	2218437							

$$\text{Endrin} = \frac{14504}{134695} = 10.8\%$$

$$\text{DDT} = \frac{5603}{193071} = 2.9\%$$

STL Knoxville GC Pesticides Continuing Calibration Data Review Checklist
Method 8081A, SOP KNOX-GC-0014, Rev. 5

Sequence ID: D195GW.Seq Date: 4/20/06

Analyst Init/Date:	h 4/20/06		h 4/22/06		mop 5-3-06																			
Review Init/Date:	mop 4/21/06		mop 4/23/06		5/8/06																			
ICAL File ID:	D195GW		D215GW		D215GW																			
CCV #:	24		45		52		62		64		77													
	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B
alpha-BHC:	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓												
Lindane(g-BHC):																								
Heptachlor:																								
Aldrin:																								
beta-BHC:																								
delta-BHC:																								
Hept. Epoxide:																								
Endosulfan-I:																								
g-Chlordane:																								
a-Chlordane:																								
DDE:																								
Dieldrin:																								
Endrin:																								
DDD:					-23		-20		-23		-18													
Endosulfan-II:					✓		✓		✓															
DDT:											✓													
Endrin Ald.:																								
Methoxychlor:			21		-18																			
Endo. Sulfate:					✓					-16														
Endrin Ketone:										✓														
VERAGE %D:	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
PEM #:	1		25		51		63																	
Analyte (PEM)	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B	Chan.A	Chan.B
Endrin %B:	3	6	7	11	8.4	12.7	8.1	5.8																
DDT %B:	2	3	2	3	1.8	2.8	1.4	2.0																

Multi-peak Components

Analyst Init/Date:																								
Review Init/Date:																								
Multi-peak CCV #:																								
Compound:																								
%D:																								

By signing above, the analyst and reviewer verify that the following items have been reviewed:

Review Items:
1. PEM run at proper frequency and DDT and Endrin breakdown <=15%.
2. Correct ICAL used for quantitation.
3. Same process file used for the CCAL as for the ICAL.
4. CCAL/PEM standards run at proper frequency (before all samples and after no more than 20 samples/12 hrs. of sample analysis) (every 10 samples for DOD QSM)
5. CCAL % D <= 15% for all analytes
6. All RTs within RT windows (+/- 0.05 min.)
7. Integration acceptable and all manual integrations are clearly identified, initialed, dated and reason given. Reasons: 1) corrected split peak; 2) unresolved peak; 3) tailing; 4) RT shift; 5) wrong peak selected; 6) other

Comments:

GC029R6.XLS, 9/1/05

STL GC /GST 8081A RUN LOG HP6890

ANALYST: L/mm
PREVENTATIVE MAINTENANCE PERFORMED: (Y) OR N
INTERNAL STANDARD ID: AI 2414 AMOUNT ADDED: 1uL I.S. to 100uL extract

8081A	Inj. Date	Inj. Time	File Name				TCX Ret. Time [min.]	TCX DIL. FACTOR	DCB Ret. Time [min.]	DCB DIL. FACTOR
8081A	4/19/2006	02:15	S#A9001.rst	AI2387		PEM	5.86	1.0	13.48	1.0
8081A	4/19/2006	02:55	S#A9002.rst	AI2418	ICAL 1	PEST 4/19/06	5.86	1.0	13.48	1.0
8081A	4/19/2006	03:14	S#A9003.rst	AI2419	ICAL 2	PEST 4/19/06	5.86	1.0	13.47	1.0
8081A	4/19/2006	03:34	S#A9004.rst	AI2420	ICAL 3	PEST 4/19/106	5.85	1.0	13.47	1.0
8081A	4/19/2006	03:54	S#A9005.rst	AI2421	ICAL 4	PEST 4/19/06	5.85	1.0	13.47	1.0
8081A	4/19/2006	04:13	S#A9006.rst	AI2422	ICAL 5	PEST 4/19/06	5.85	1.0	13.47	1.0
8081A	4/19/2006	04:33	S#A9007.rst	AI2423	ICAL 6	PEST 4/19/06	5.85	1.0	13.47	1.0
8081A	4/19/2006	04:53	S#A9008.rst	AI2429		2ND SOURCE	5.85	1.0	13.42	1.0
8081A	4/19/2006	05:12	S#A9009.rst	H2H3M1AC		6095224	5.85	1.0	13.47	1.0
8081A	4/19/2006	05:32	S#A9010.rst	H2H3Q1AC		6095224	5.85	1.0	13.46	1.0
8081A	4/19/2006	05:52	S#A9011.rst	H2H3V1AC		6095224	5.85	1.0	13.46	1.0
8081A	4/19/2006	06:11	S#A9012.rst	H2H311AC		6095224	5.85	1.0	13.46	1.0
8081A	4/19/2006	06:31	S#A9013.rst	H2MKT1AAB		6095224	5.85	1.0	13.46	1.0
8081A	4/19/2006	06:51	S#A9014.rst	H2MKT1ACC		6095224	5.85	1.0	13.47	1.0
8081A	4/19/2006	07:11	S#A9015.rst	H2MKT1ADL		6095224	5.85	1.0	13.47	1.0
8081A	4/19/2006	07:30	S#A9016.rst	H2H3J1AC		6096186	5.85	1.0	13.47	1.0
8081A	4/19/2006	07:50	S#A9017.rst	H2H3N1AC		6096186	5.85	1.0	13.46	1.0
8081A	4/19/2006	08:10	S#A9018.rst	H2H3R1AC		6096186	5.85	1.0	13.46	1.0
8081A	4/19/2006	08:29	S#A9019.rst	H2H3X1AC		6096186	5.85	1.0	13.46	1.0
8081A	4/19/2006	08:49	S#A9020.rst	H2H331AC		6096186	5.85	1.0	13.46	1.0
8081A	4/19/2006	09:09	S#A9021.rst	H2PKR1AAB		6096186	5.85	1.0	13.46	1.0
8081A	4/19/2006	09:29	S#A9022.rst	H2PKR1ACC		6096186	5.85	1.0	13.46	1.0
8081A	4/19/2006	09:48	S#A9023.rst	H2PKR1ADL		6096186	5.85	1.0	13.46	1.0
8081A	4/19/2006	10:08	S#A9024.rst	AI2420	pest	CCV	5.85	1.0	13.46	1.0
8081A	4/21/2006	01:32	S#A9025.rst	AI2387		PEM	5.86	1.0	13.48	1.0
8081A	4/21/2006	01:52	S#A9026.rst	AI2420	pest	CCV	5.85	1.0	13.47	1.0
8081A	4/21/2006	02:12	S#A9027.rst	CHECK		AI2430/10	------	1.0	13.42	1.0
8081A	4/21/2006	02:49	S#A9028.rst	AI2418	ICAL 1	PEST 4/21/06	5.86	1.0	13.48	1.0
8081A	4/21/2006	03:09	S#A9029.rst	AI2419	ICAL 2	PEST 4/21/06	5.85	1.0	13.47	1.0
8081A	4/21/2006	03:29	S#A9030.rst	AI2420	ICAL 3	PEST 4/21/106	5.85	1.0	13.47	1.0
8081A	4/21/2006	03:48	S#A9031.rst	AI2421	ICAL 4	PEST 4/21/06	5.85	1.0	13.46	1.0
8081A	4/21/2006	04:08	S#A9032.rst	AI2422	ICAL 5	PEST 4/21/06	5.85	1.0	13.46	1.0
8081A	4/21/2006	04:28	S#A9033.rst	AI2423	ICAL 6	PEST 4/21/06	5.85	1.0	13.47	1.0
8081A	4/21/2006	04:47	S#A9034.rst	AI2429		2ND SOURCE	5.85	1.0	13.42	1.0
8081A	4/21/2006	05:07	S#A9035.rst	CHECK		AI2430/10	------	1.0	13.42	1.0
8081A	4/21/2006	05:27	S#A9036.rst	H2H3L1AC		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	05:46	S#A9037.rst	H2H3P1AC		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	06:06	S#A9038.rst	H2H3T1AC		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	06:26	S#A9039.rst	H2H3W1AC		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	06:45	S#A9040.rst	H2H301AC		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	07:05	S#A9041.rst	H2H321AC		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	07:25	S#A9042.rst	H2PK81AAB		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	07:44	S#A9043.rst	H2PK81ACC		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	08:04	S#A9044.rst	H2PK81ADL		6096188	5.85	1.0	13.46	1.0
8081A	4/21/2006	08:24	S#A9045.rst	BB5660		BLK	5.85	1.0	13.46	1.0
8081A	4/21/2006	08:43	S#A9046.rst	BB5659	FILTER	MDL CHECK	5.85	1.0	13.46	1.0
8081A	4/21/2006	09:03	S#A9047.rst	BB5658		BLK	5.85	1.0	13.46	1.0
8081A	4/21/2006	09:22	S#A9048.rst	BB5657	XAD	MDL CHECK	5.85	1.0	13.46	1.0
8081A	4/21/2006	09:42	S#A9049.rst	AI2420	pest	CCV	5.85	1.0	13.46	1.0
8081A	4/27/2006	09:38	S#A9050.rst	PRIME			5.86	1.0	13.48	1.0
8081A	4/27/2006	09:58	S#A9051.rst	AI2387		PEM	5.85	1.0	13.47	1.0
8081A	4/27/2006	10:18	S#A9052.rst	AI2420	pest	CCV	5.85	1.0	13.47	1.0
8081A	4/27/2006	12:35	S#A9053.rst	H3R7C1AE		6114108	5.86	50.0	13.49	50.0
8081A	4/27/2006	12:55	S#A9054.rst	H3R7R1AE		6114108	5.85	1.0	13.47	1.0
8081A	4/27/2006	01:15	S#A9055.rst	H3R711AE		6114108	5.85	50.0	13.48	50.0
8081A	4/27/2006	01:34	S#A9056.rst	HER731AE		6114108	5.85	100.0	13.48	100.0
8081A	4/27/2006	01:54	S#A9057.rst	H3R771AE		6114108	5.85	20.0	13.48	20.0
8081A	4/27/2006	02:14	S#A9058.rst	H3R8D1AE		6114108	5.85	50.0	13.49	50.0
8081A	4/27/2006	02:33	S#A9059.rst	H3R8R1AC		6114108	5.85	1.0	13.48	1.0
8081A	4/27/2006	02:53	S#A9060.rst	H3XFE1AAB		6114108	5.85	50.0	13.46	50.0
8081A	4/27/2006	03:13	S#A9061.rst	H3XFE1ACC		6114108	5.85	1.0	13.46	1.0
8081A	4/27/2006	03:32	S#A9062.rst	AI2420	pest	CCV	5.85	1.0	13.47	1.0
8081A	5/3/2006	09:43	S#A9063.rst	AI2387		PEM	5.86	1.0	13.47	1.0
8081A	5/3/2006	10:43	S#A9064.rst	AI2420	pest	CCV	5.85	1.0	13.46	1.0
8081A	5/3/2006	11:03	S#A9065.rst	H3R7C1AE		6114108	5.85	1.0	13.48	1.0
8081A	5/3/2006	11:22	S#A9066.rst	H3R7R1AE		6114108	5.85	1.0	13.46	1.0
8081A	5/3/2006	11:42	S#A9067.rst	H3R711AE		6114108	5.85	1.0	13.48	1.0
8081A	5/3/2006	12:02	S#A9068.rst	H3R711ARS	MS	6114108	5.85	1.0	13.48	1.0
8081A	5/3/2006	12:22	S#A9069.rst	H3R711ATD	MSD	6114108	5.85	1.0	13.48	1.0
8081A	5/3/2006	12:41	S#A9070.rst	H3R731AE		6114108	5.85	1.0	13.48	1.0
8081A	5/3/2006	01:01	S#A9071.rst	H3R771AE		6114108	5.85	1.0	13.48	1.0

8081A	5/3/2006	01:21	S#A9072.rst	H3R8D1AE		6114108	5.85	1.0	13.48	1.0
8081A	5/3/2006	01:41	S#A9073.rst	H3R8K1AC		6114108	5.85	1.0	13.46	1.0
8081A	5/3/2006	02:00	S#A9074.rst	H3R8R1AC		6114108	5.85	1.0	13.48	1.0
8081A	5/3/2006	02:20	S#A9075.rst	H3XFE1AAB	BLK	6114108	5.85	1.0	13.46	1.0
8081A	5/3/2006	02:40	S#A9076.rst	H3XFE1ACC	LCS	6114108	5.85	1.0	13.46	1.0
8081A	5/3/2006	02:59	S#A9077.rst	AI2420	pest	CCV	5.85	1.0	13.46	1.0

Software Version: 4.1<2F12>
Sample Name : CCV
Sample Number: AI2420
Operator : Analyst

Time : 4/20/2006 09:26 AM
Study : pest

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

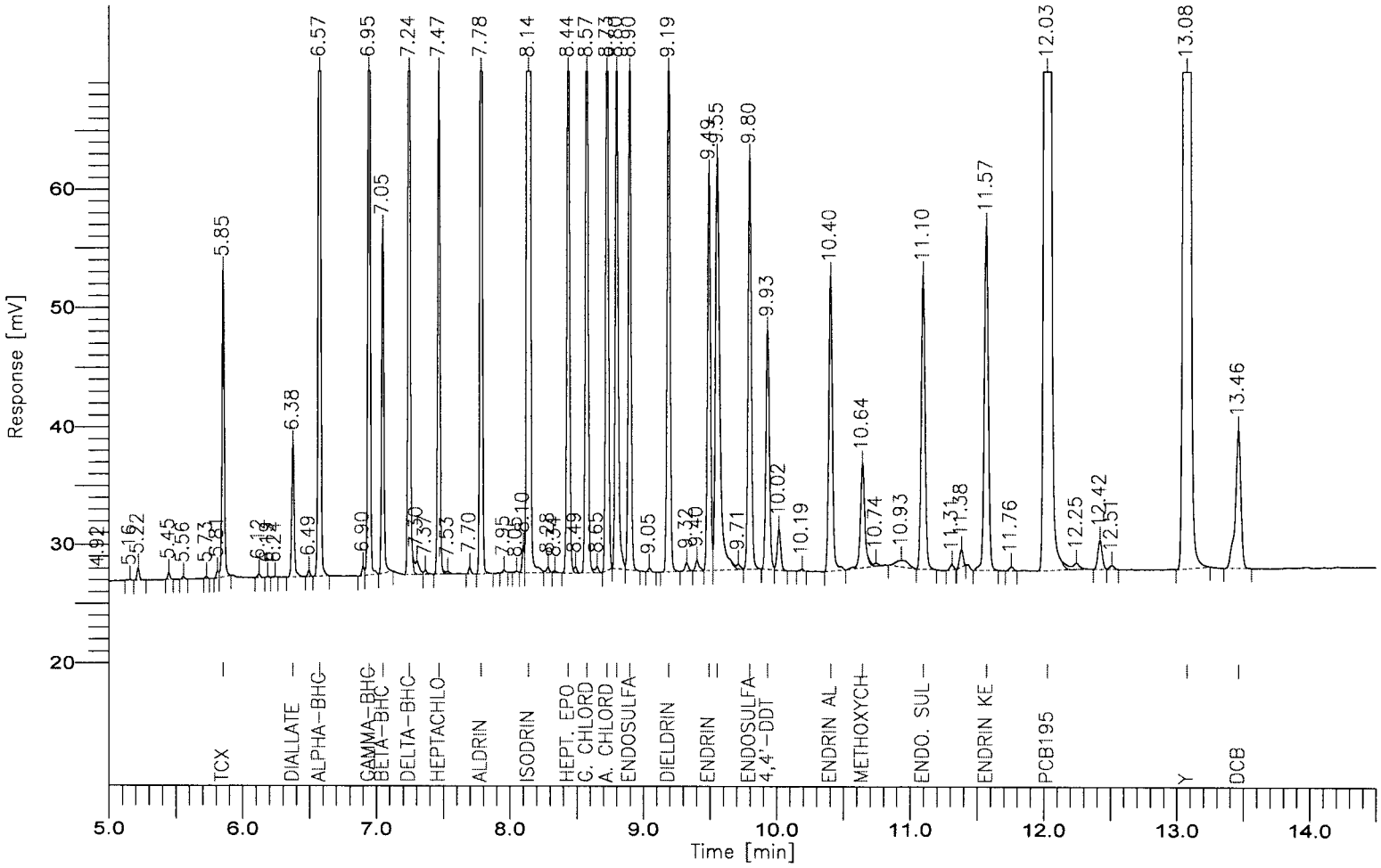
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 10:08 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9024.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9024.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9024.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.852	-0.0462	TCX	30865	25925	10.00000	9.94784	TCX	-0.5216	----------
6.375	-0.0339	Diallate	14238	11282	100.00000	98.73461	Diallate	-1.2654	----------
6.574	-0.0337	ALPHA-BHC	94177	82789	20.00000	20.08129	ALPHA-BHC	0.4064	----------
6.945	-0.0267	GAMMA-BHC	76089	67976	20.00000	20.29713	GAMMA-BHC	1.4856	----------
7.047	-0.0218	BETA-BHC	33800	29212	20.00000	19.97363	BETA-BHC	-0.1319	----------
7.244	-0.0301	DELTA-BHC	75316	66711	20.00000	19.91491	DELTA-BHC	-0.4255	----------
7.466	-0.0245	HEPTACHLOR	50781	43765	20.00000	22.14724	HEPTACHLOR	10.7362	----------
7.782	-0.0189	ALDRIN	83958	71772	20.00000	19.53093	ALDRIN	-2.3454	----------
8.138	-0.0236	ISODRIN	381924	299271	0.00000	100.00000	ISODRIN	----------	96.3523
8.435	-0.0189	HEPT. EPOXIDE	69690	52989	20.00000	20.51414	HEPT. EPOXIDE	2.5707	----------
8.574	-0.0208	G. CHLORDANE	72940	53227	20.00000	19.81960	G. CHLORDANE	-0.9020	----------
8.726	-0.0184	A. CHLORDANE	73514	52526	20.00000	19.62956	A. CHLORDANE	-1.8522	----------
8.798	-0.0142	4,4'-DDE	67828	44848	20.00000	19.02934	4,4'-DDE	-4.8533	----------
8.897	-0.0190	ENDOSULFAN I	66248	45803	20.00000	20.17243	ENDOSULFAN I	0.8622	----------
9.190	-0.0152	DIELDRIN	69821	46644	20.00000	20.58363	DIELDRIN	2.9182	----------
9.492	-0.0189	ENDRIN	53258	33614	20.00000	20.35903	ENDRIN	1.7951	----------
9.554	-0.0205	DDD & Chlorobe	80477	34990	120.00000	104.70272	DDD & Chlorobe	-12.7477	----------
9.796	-0.0155	ENDOSULFAN II	59951	34806	20.00000	19.92377	ENDOSULFAN II	-0.3812	----------
9.932	-0.0198	4,4'-DDT	36689	20181	20.00000	20.61003	4,4'-DDT	3.0501	----------
10.404	-0.0241	ENDRIN ALDEHYD	47225	24904	20.00000	20.42608	ENDRIN ALDEHYD	2.1304	----------
10.643	-0.0133	METHOXYCHLOR	20580	8814	20.00000	21.69423	METHOXYCHLOR	8.4711	----------
11.097	-0.0134	ENDO. SULFATE	49589	24818	20.00000	20.18544	ENDO. SULFATE	0.9272	----------
11.570	-0.0229	ENDRIN KETONE	61607	29048	20.00000	20.79477	ENDRIN KETONE	3.9739	----------
12.028	-0.0210	PCB195	768221	338148	0.00000	200.00000	PCB195	----------	----------
13.075	-0.0404	Y	657460	267327	0.00000	200.00000	Y	----------	----------
13.464	-0.0295	DCB	34047	11746	10.00000	9.88344	DCB	-1.1656	----------
			3130292	1823137				12.7356	96.3523

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9024.TX0

Software Version: 4.1<2F12>
Sample Name : CCV
Sample Number: AI2420
Operator : Analyst

Time : 4/20/2006 09:26 AM
Study : pest

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

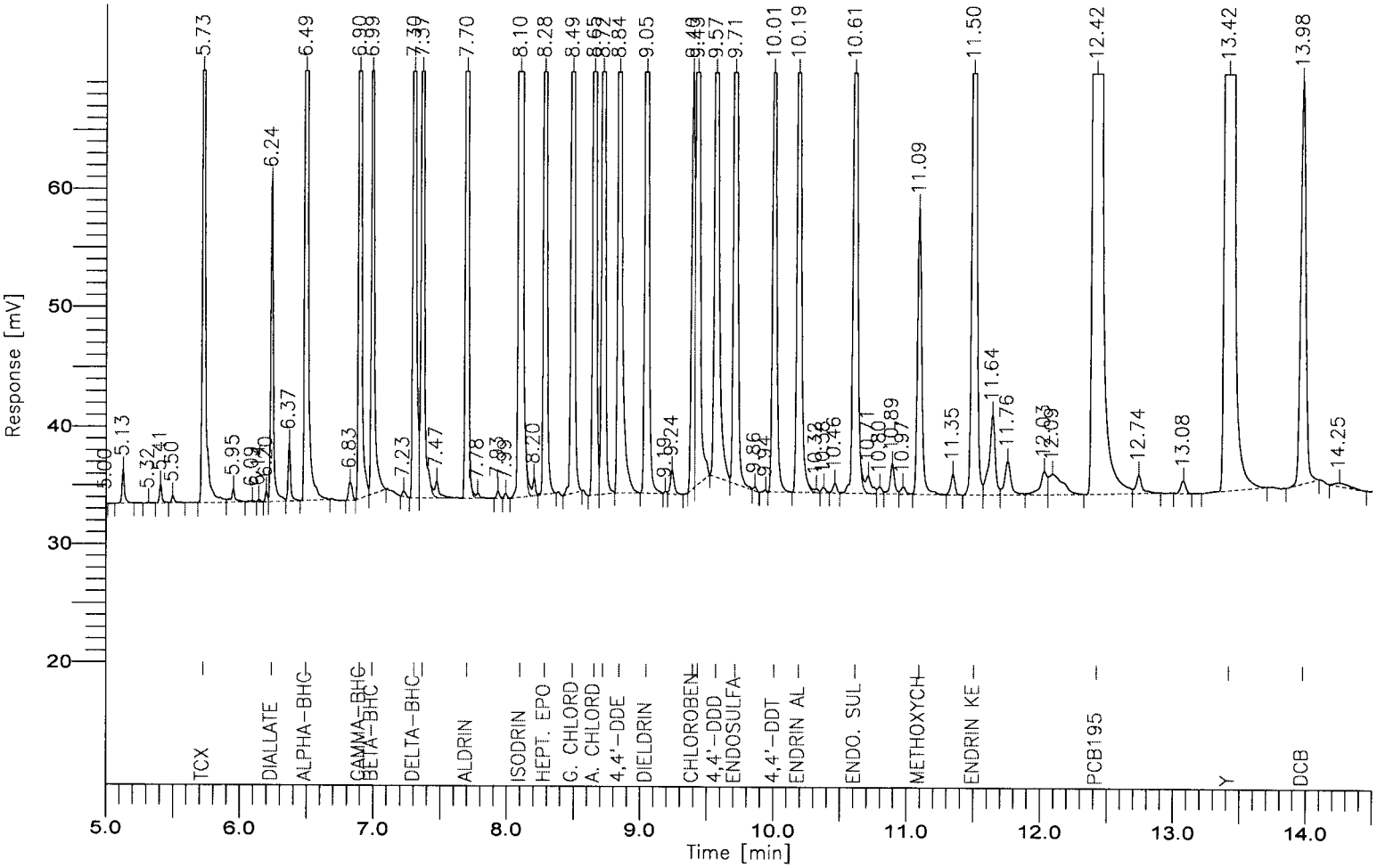
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 10:08 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9024.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9024.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9024.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.727	-0.0377	TCX	90417	66076	10.00000	8.99376	TCX	-10.0624	----------
6.238	-0.0279	Diallate	36110	27034	100.00000	101.22300	Diallate	1.2230	----------
6.494	-0.0209	ALPHA-BHC	198952	166859	20.00000	21.31208	ALPHA-BHC	6.5604	----------
6.897	-0.0149	GAMMA-BHC	155835	135630	20.00000	21.56198	GAMMA-BHC	7.8099	----------
6.992	-0.0139	BETA-BHC	79156	61991	20.00000	20.65081	BETA-BHC	3.2540	----------
7.303	-0.0154	DELTA-BHC	158607	132510	20.00000	21.44324	DELTA-BHC	7.2162	----------
7.366	-0.0176	HEPTACHLOR	119106	92417	20.00000	19.49619	HEPTACHLOR	-2.5190	----------
7.697	-0.0101	ALDRIN	202544	176138	20.00000	19.68352	ALDRIN	-1.5824	----------
8.099	-0.0103	ISODRIN	822106	660036	0.00000	100.00000	ISODRIN	----------	127.5221
8.284	-0.0093	HEPT. EPOXIDE	153773	116859	20.00000	20.48460	HEPT. EPOXIDE	2.4230	----------
8.490	-0.0038	G. CHLORDANE	176362	130051	20.00000	20.15678	G. CHLORDANE	0.7839	----------
8.654	-0.0128	A. CHLORDANE	180222	130709	20.00000	19.78385	A. CHLORDANE	-1.0808	----------
8.721	-0.0115	ENDOSULFAN I	158055	108931	20.00000	20.20779	ENDOSULFAN I	1.0389	----------
8.841	-0.0098	4,4'-DDE	178293	110061	20.00000	19.68556	4,4'-DDE	-1.5722	----------
9.046	-0.0062	DIELDRIN	163702	104591	20.00000	20.54523	DIELDRIN	2.7262	----------
9.395	-0.0037	Chlorobenzilat	56168	35456	100.00000	95.36527	Chlorobenzilat	-4.6347	----------
9.431	-0.0058	ENDRIN	137610	77866	20.00000	20.18603	ENDRIN	0.9302	----------
9.569	-0.0005	4,4'-DDD	130729	67659	20.00000	20.52072	4,4'-DDD	2.6036	----------
9.712	-0.0013	ENDOSULFAN II	144883	82833	20.00000	20.43068	ENDOSULFAN II	2.1534	----------
10.005	-0.0035	4,4'-DDT	93272	48764	20.00000	17.99071	4,4'-DDT	-10.0465	----------
10.190	-0.0020	ENDRIN ALDEHYD	115371	58733	20.00000	19.79565	ENDRIN ALDEHYD	-1.0217	----------
10.612	-0.0029	ENDO. SULFATE	121668	58717	20.00000	19.02346	ENDO. SULFATE	-4.8827	----------
11.093	-0.0007	METHOXYCHLOR	54046	24144	20.00000	20.05364	METHOXYCHLOR	0.2682	----------
11.503	-0.0126	ENDRIN KETONE	143553	65504	20.00000	20.08029	ENDRIN KETONE	0.4015	----------
12.423	-0.0099	PCB195	1719796	738107	0.00000	200.00000	PCB195	----------	----------
13.419	-0.0154	Y	1497632	605713	0.00000	200.00000	Y	----------	----------
13.977	-0.0211	DCB	91295	33951	10.00000	9.15085	DCB	-8.4915	----------
			7179266	4117343				-6.5016	127.5221

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9024.TX0

Software Version: 4.1<2F12>
Sample Name : CCV
Sample Number: AI2420
Operator : Analyst

Time : 4/22/2006 10:12 AM
Study : pest

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

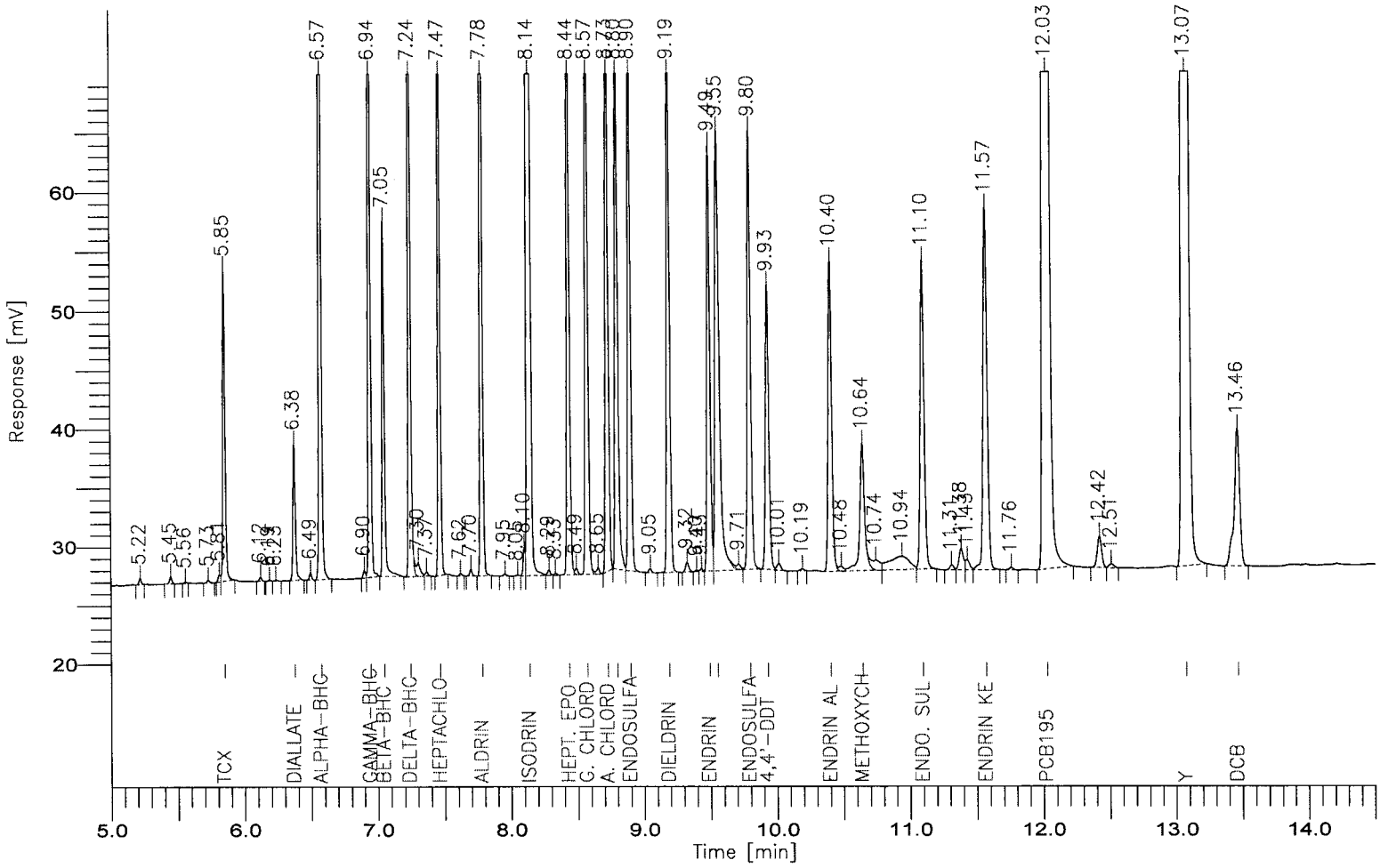
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 09:42 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9049.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9049.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9049.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.852	-0.0257	TCX	31528	26385	10.00000	9.18720	TCX	-8.1280	1.3192e+07
6.375	-0.0156	Diallate	14455	11575	100.00000	91.28689	Diallate	-8.7131	----------
6.574	-0.0110	ALPHA-BHC	97416	85159	20.00000	18.23370	ALPHA-BHC	-8.8315	----------
6.944	-0.0171	GAMMA-BHC	81322	74492	20.00000	19.05668	GAMMA-BHC	-4.7166	----------
7.047	-0.0144	BETA-BHC	36740	30061	20.00000	18.05392	BETA-BHC	-9.7304	----------
7.243	-0.0170	DELTA-BHC	79482	70469	20.00000	18.47098	DELTA-BHC	-7.6451	----------
7.466	-0.0123	HEPTACHLOR	60207	51522	20.00000	20.98962	HEPTACHLOR	4.9481	----------
7.781	-0.0076	ALDRIN	85584	73417	20.00000	18.12551	ALDRIN	-9.3725	----------
8.138	-0.0124	ISODRIN	412609	326591	0.00000	100.00000	ISODRIN	----------	107.3531
8.435	-0.0102	HEPT. EPOXIDE	71615	54208	20.00000	18.60149	HEPT. EPOXIDE	-6.9925	----------
8.573	-0.0112	G. CHLORDANE	74556	54471	20.00000	18.11457	G. CHLORDANE	-9.4272	----------
8.726	-0.0089	A. CHLORDANE	74686	53723	20.00000	18.14134	A. CHLORDANE	-9.2933	----------
8.797	-0.0110	4,4'-DDE	69737	47263	20.00000	18.63761	4,4'-DDE	-6.8119	----------
8.896	-0.0071	ENDOSULFAN I	68259	47188	20.00000	18.49586	ENDOSULFAN I	-7.5207	----------
9.189	-0.0084	DIELDRIN	70569	46475	20.00000	18.74078	DIELDRIN	-6.2961	----------
9.491	-0.0169	ENDRIN	57233	36139	20.00000	20.50354	ENDRIN	2.5177	----------
9.553	-0.0166	DDD & Chlorobe	84535	37255	120.00000	104.60344	DDD & Chlorobe	-12.8305	----------
9.795	-0.0225	ENDOSULFAN II	62600	37130	20.00000	19.33008	ENDOSULFAN II	-3.3496	----------
9.931	-0.0119	4,4'-DDT	42522	24171	20.00000	21.28689	4,4'-DDT	6.4344	----------
10.403	-0.0099	ENDRIN ALDEHYD	49604	26293	20.00000	18.69779	ENDRIN ALDEHYD	-6.5111	----------
10.642	-0.0237	METHOXYCHLOR	27473	10797	20.00000	24.25202	METHOXYCHLOR	21.2601	----------
11.096	-0.0142	ENDO. SULFATE	53019	26194	20.00000	19.37009	ENDO. SULFATE	-3.1496	----------
11.569	-0.0199	ENDRIN KETONE	65929	30642	20.00000	19.28859	ENDRIN KETONE	-3.5571	----------
12.026	-0.0239	PCB195	772582	345271	0.00000	200.00000	PCB195	----------	----------
13.074	-0.0270	Y	657820	273589	0.00000	200.00000	Y	----------	----------
13.463	-0.0240	DCB	33954	11669	10.00000	9.80512	DCB	-1.9488	5.8344e+06
			3236035	1912148				-99.6651	1.9027e+07

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9049.TX0

Software Version: 4.1<2F12>
Sample Name : CCV
Sample Number: AI2420
Operator : Analyst

Time : 4/22/2006 10:12 AM
Study : pest

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

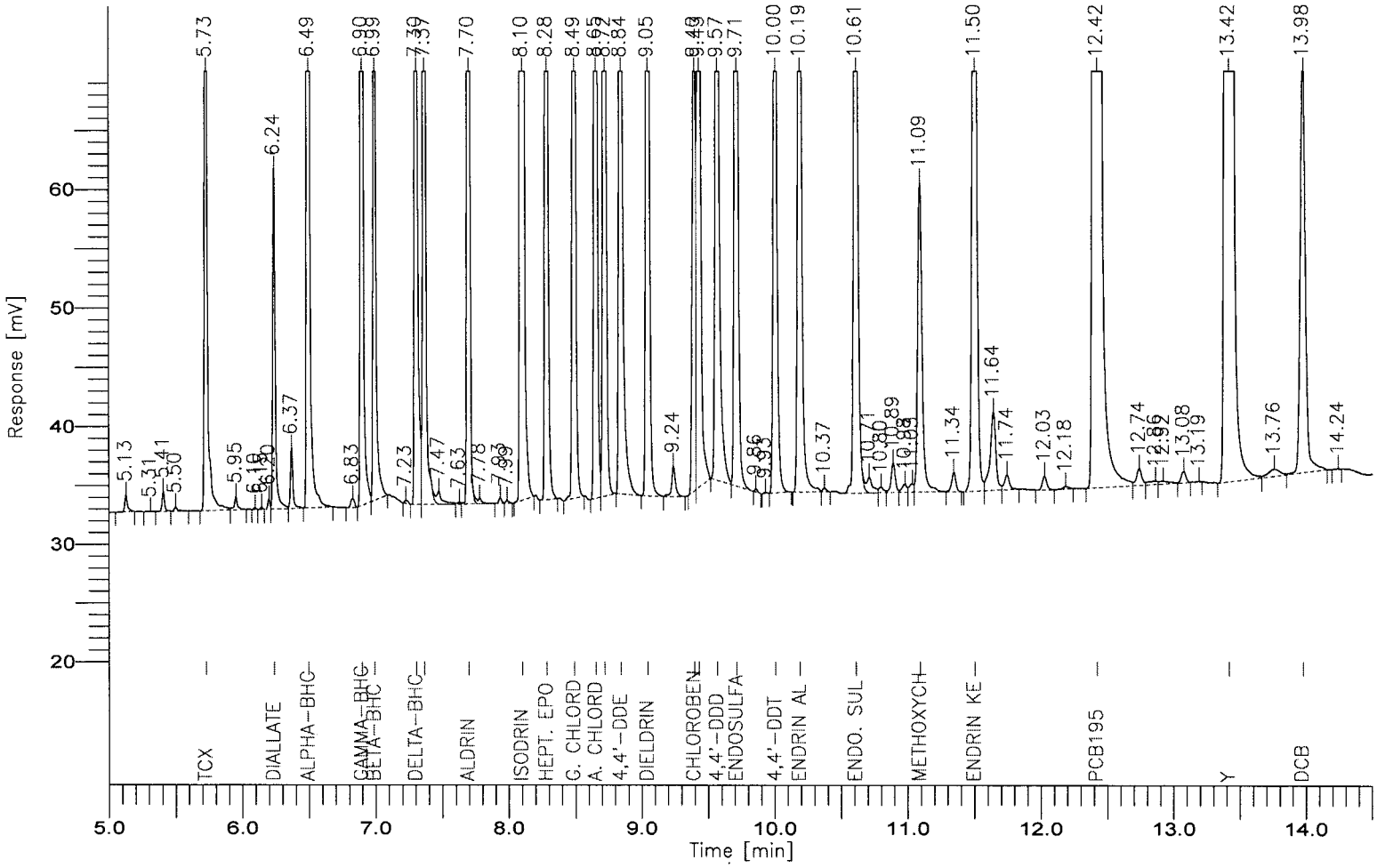
Channel : B A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 09:42 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9049.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9049.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9049.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



PESTICIDE/PCB STANDARD CHECK REPORT

Time [min]	Delta RT [%]	Component Name	Area [µV·s]	Height [µV]	Std. Conc. (ppb)	Calc. Conc. (ppb)	Component Name	Percent Difference	% REC IS
5.727	-0.0101	TCX	88395	65562	10.00000	8.60933	TCX	-13.9067	3.2781e+07
6.238	-0.0060	Diallate	37541	28720	100.00000	96.90073	Diallate	-3.0993	----------
6.494	-0.0048	ALPHA-BHC	207545	177529	20.00000	19.94636	ALPHA-BHC	-0.2682	----------
6.897	-0.0037	GAMMA-BHC	168529	147382	20.00000	20.13143	GAMMA-BHC	0.6572	----------
6.992	-0.0012	BETA-BHC	83493	65856	20.00000	19.35383	BETA-BHC	-3.2308	----------
7.303	-0.0043	DELTA-BHC	171858	145520	20.00000	20.43959	DELTA-BHC	2.1980	----------
7.366	-0.0047	HEPTACHLOR	134331	106678	20.00000	19.96467	HEPTACHLOR	-0.1767	----------
7.697	0.0013	ALDRIN	206350	179192	20.00000	18.32437	ALDRIN	-8.3781	----------
8.100	0.0010	ISODRIN	894545	722604	0.00000	100.00000	ISODRIN	----------	139.4934
8.284	-0.0002	HEPT. EPOXIDE	163548	125691	20.00000	19.96601	HEPT. EPOXIDE	-0.1699	----------
8.490	0.0030	G. CHLORDANE	180996	134274	20.00000	18.83514	G. CHLORDANE	-5.8243	----------
8.654	-0.0025	A. CHLORDANE	183611	135945	20.00000	18.82886	A. CHLORDANE	-5.8557	----------
8.720	-0.0034	ENDOSULFAN I	165520	116202	20.00000	19.42926	ENDOSULFAN I	-2.8537	----------
8.841	-0.0030	4,4'-DDE	182559	115425	20.00000	19.49079	4,4'-DDE	-2.5461	----------
9.045	-0.0044	DIELDRIN	168118	111879	20.00000	20.25771	DIELDRIN	1.2886	----------
9.395	-0.0080	Chlorobenzilat	67021	41513	100.00000	113.10790	Chlorobenzilat	13.1079	----------
9.431	-0.0028	ENDRIN	149818	86780	20.00000	21.15991	ENDRIN	5.7995	----------
9.567	-0.0234	4,4'-DDD	127554	67568	20.00000	19.96409	4,4'-DDD	-0.1795	----------
9.711	-0.0080	ENDOSULFAN II	152196	89321	20.00000	19.72109	ENDOSULFAN II	-1.3946	----------
10.004	-0.0106	4,4'-DDT	102231	55344	20.00000	19.79744	4,4'-DDT	-1.0128	----------
10.190	-0.0077	ENDRIN ALDEHYD	128849	67098	20.00000	19.88843	ENDRIN ALDEHYD	-0.5579	----------
10.610	-0.0152	ENDO. SULFATE	131979	65660	20.00000	19.56640	ENDO. SULFATE	-2.1680	----------
11.091	-0.0268	METHOXYCHLOR	61547	26204	20.00000	20.44559	METHOXYCHLOR	2.2279	----------
11.501	-0.0206	ENDRIN KETONE	155659	71345	20.00000	19.96360	ENDRIN KETONE	-0.1820	----------
12.422	-0.0219	PCB195	1811979	781928	0.00000	200.00000	PCB195	----------	----------
13.416	-0.0314	Y	1596917	661485	0.00000	200.00000	Y	----------	----------
13.976	-0.0164	DCB	94718	35014	10.00000	9.28648	DCB	-7.1352	1.7507e+07
			7617406	4427717				-33.6603	5.0288e+07

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9049.TX0

Raw QC Data

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AA **Matrix.....:** AIR
MB Lot-Sample #: H6D050000-224

Prep Date.....: 04/05/06
Analysis Date..: 04/19/06 **Prep Batch #...:** 6095224
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug	SW846 8081A
alpha-BHC	ND	0.050	ug	SW846 8081A
beta-BHC	ND	0.10	ug	SW846 8081A
delta-BHC	ND	0.050	ug	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug	SW846 8081A
alpha-Chlordane	ND	0.050	ug	SW846 8081A
gamma-Chlordane	ND	0.050	ug	SW846 8081A
Chlorobenzilate	ND	0.20	ug	SW846 8081A
4,4'-DDD	ND	0.20	ug	SW846 8081A
4,4'-DDE	ND	0.050	ug	SW846 8081A
4,4'-DDT	ND	0.050	ug	SW846 8081A
Diallate	ND	1.0	ug	SW846 8081A
Dieldrin	ND	0.050	ug	SW846 8081A
Endosulfan I	ND	0.050	ug	SW846 8081A
Endosulfan II	ND	0.050	ug	SW846 8081A
Endosulfan sulfate	ND	0.050	ug	SW846 8081A
Endrin	ND	0.10	ug	SW846 8081A
Endrin aldehyde	**0.010 J**	**0.050**	**ug**	**SW846 8081A**
Endrin ketone	ND	0.050	ug	SW846 8081A
Heptachlor	ND	0.050	ug	SW846 8081A
Heptachlor epoxide	ND	0.050	ug	SW846 8081A
Methoxychlor	ND	0.050	ug	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(34 - 144)
Decachlorobiphenyl	31	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

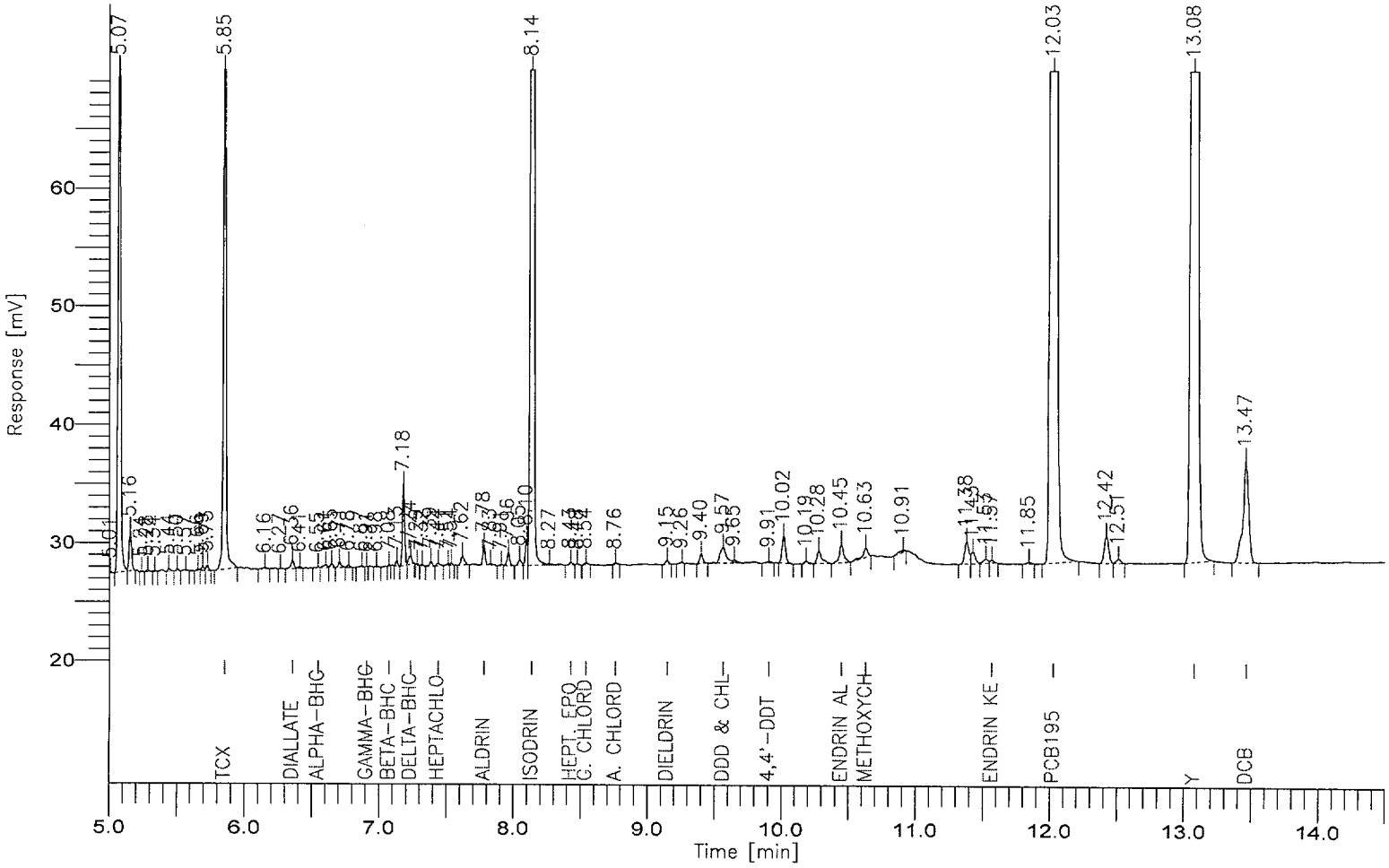
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:00 PM
Sample Number: H2MKT1AAB Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 06:31 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9013.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9013.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9013.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1982	0.20000	19.82	63695	51313	-0.023	-0.0014	5.855	10	3e+07	99.1
6.360	Diallate	0.0801	0.00000	8.01	1144	760	-0.279	-0.0178	6.377	10	------	--------
6.548	ALPHA-BHC	0.0002	0.00000	0.02	214	101	-0.422	-0.0278	6.576	10	------	--------
6.911	GAMMA-BHC	0.0002	0.00000	0.02	57	66	-0.517	-0.0359	6.947	10	------	--------
7.077	BETA-BHC	0.0006	0.00000	0.06	67	80	0.399	0.0281	7.049	10	------	--------
7.235	DELTA-BHC	0.0023	0.00000	0.23	1256	754	-0.141	-0.0102	7.246	10	------	--------
7.439	HEPTACHLOR	0.0011	0.00000	0.11	407	219	-0.385	-0.0288	7.468	10	------	--------
7.782	ALDRIN	0.0044	0.00000	0.44	1952	1593	-0.012	-0.0009	7.783	10	------	--------
8.139	ISODRIN	1.0000	2.9914e+05	100.00	378438	297369	-0.013	-0.0011	8.140	10	99.4	3.3e-04
8.430	HEPT. EPOXIDE	0.0008	0.00000	0.08	348	209	-0.083	-0.0070	8.437	10	------	--------
8.543	G. CHLORDANE	0.0006	0.00000	0.06	233	154	-0.383	-0.0328	8.576	10	------	--------
8.762	A. CHLORDANE	0.0004	0.00000	0.04	187	113	0.398	0.0348	8.728	10	------	--------
8.799	4,4'-DDE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
8.899	ENDOSULFAN I	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.149	DIELDRIN	0.0013	0.00000	0.13	500	299	-0.465	-0.0428	9.191	10	------	--------
9.494	ENDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.567	DDD & Chlorobe	0.2590	0.00000	25.90	4363	1310	0.120	0.0114	9.556	10	------	--------
9.798	ENDOSULFAN II	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.909	4,4'-DDT	0.0014	0.00000	0.14	284	133	-0.250	-0.0249	9.934	10	------	--------
10.450	ENDRIN ALDEHYD	~~0.0130~~	0.00000	1.30	3753	1578	0.422	0.0439	10.406	10	------	--------
10.632	METHOXYCHLOR	0.0190	0.00000	1.90	1976	765	-0.119	-0.0127	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.571	ENDRIN KETONE	0.0020	0.00000	0.20	535	275	-0.015	-0.0017	11.573	10	------	--------
12.029	PCB195	2.0000	0.00000	200.00	736040	337600	-0.014	-0.0017	12.030	10	------	--------
13.077	Y	2.0000	0.00000	200.00	619062	258278	-0.030	-0.0039	13.081	10	------	--------
13.465	DCB	0.0728	0.20000	7.28	25714	8592	-0.026	-0.0035	13.468	10	4e+06	36.4
		5.6573			1840225	961563						135.5

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9013.TX0

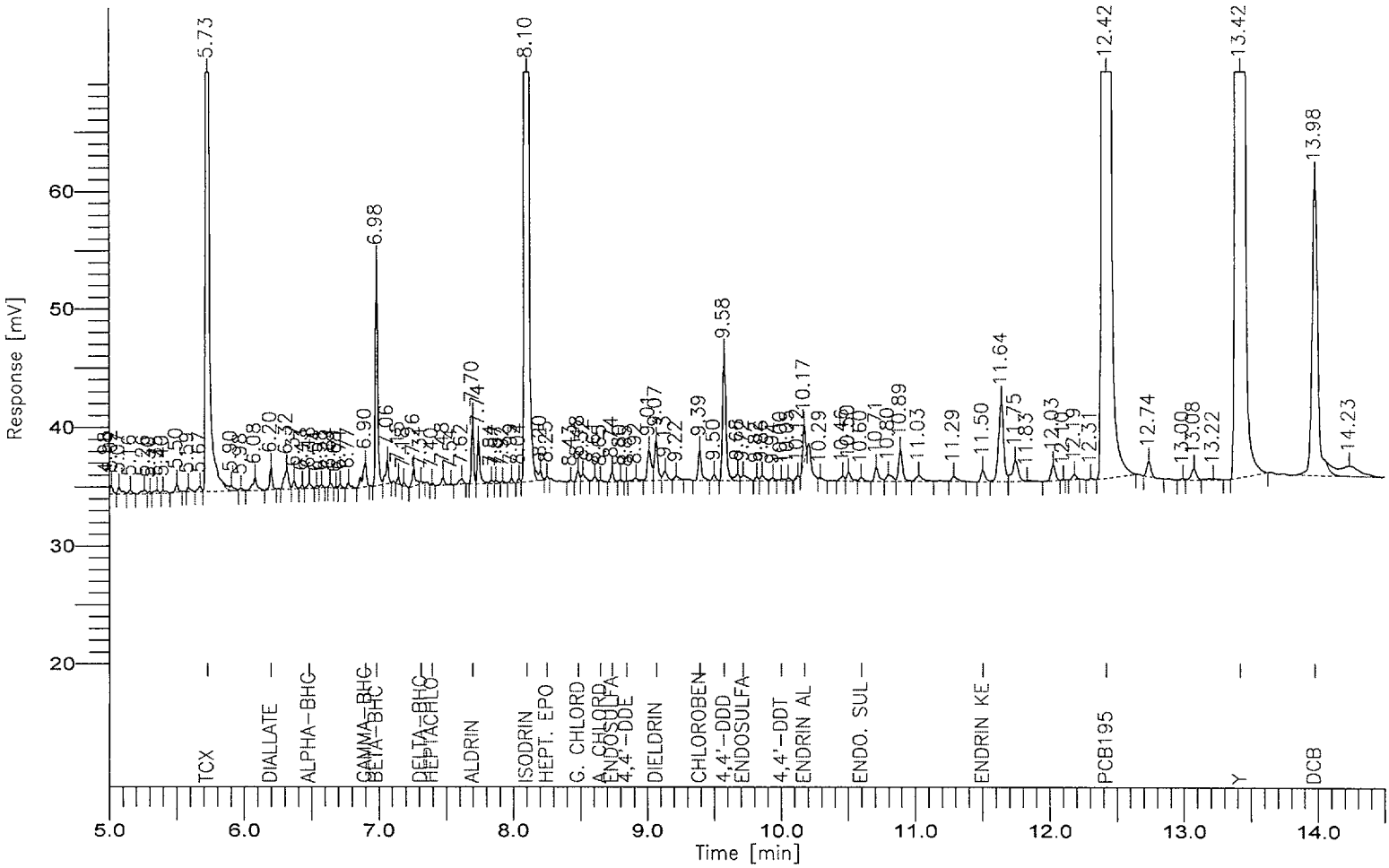
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:00 PM
Sample Number: H2MKT1AAB Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 06:31 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9013.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9013.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9013.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1764	0.20000	17.64	166311	125779	-0.030	-0.0017	5.729	10	6e+07	88.2
6.199	Diallate	0.0718	0.00000	7.18	2485	1911	-0.657	-0.0410	6.240	10	------	--------
6.482	ALPHA-BHC	0.0007	0.00000	0.07	927	544	-0.199	-0.0129	6.495	10	------	--------
6.900	GAMMA-BHC	0.0032	0.00000	0.32	4360	1950	0.019	0.0013	6.898	10	------	--------
6.983	BETA-BHC	0.0659	0.00000	6.59	23203	19207	-0.136	-0.0095	6.993	10	------	--------
7.312	DELTA-BHC	0.0004	0.00000	0.04	396	263	0.114	0.0083	7.304	10	------	--------
7.395	HEPTACHLOR	0.0004	0.00000	0.04	246	206	0.377	0.0278	7.367	10	------	--------
7.697	ALDRIN	0.0066	0.00000	0.66	6525	5712	-0.011	-0.0008	7.698	10	------	--------
8.100	ISODRIN	1.0000	5.0954e+05	100.00	798289	640511	0.000	0.0000	8.100	10	125.7	2.0e-04
8.252	HEPT. EPOXIDE	0.0004	0.00000	0.04	289	240	-0.395	-0.0327	8.285	10	------	--------
8.483	G. CHLORDANE	0.0015	0.00000	0.15	1417	921	-0.082	-0.0070	8.490	10	------	--------
8.652	A. CHLORDANE	0.0002	0.00000	0.02	251	144	-0.029	-0.0025	8.655	10	------	--------
8.738	ENDOSULFAN I	0.0016	0.00000	0.16	1413	853	0.183	0.0159	8.722	10	------	--------
8.846	4,4'-DDE	0.0002	0.00000	0.02	86	110	0.039	0.0034	8.842	10	------	--------
9.067	DIELDRIN	0.0068	0.00000	0.68	6089	3348	0.226	0.0204	9.046	10	------	--------
9.393	Chlorobenzilat	0.0781	0.00000	7.81	4469	2575	-0.025	-0.0023	9.396	10	------	--------
9.432	ENDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.576	4,4'-DDD	0.0337	0.00000	3.37	19190	10794	0.069	0.0067	9.569	10	------	--------
9.717	ENDOSULFAN II	0.0011	0.00000	0.11	1499	443	0.051	0.0050	9.712	10	------	--------
10.004	4,4'-DDT	0.0006	0.00000	0.06	470	165	-0.022	-0.0022	10.006	10	------	--------
10.174	ENDRIN ALDEHYD	0.0102	0.00000	1.02	4083	2947	-0.165	-0.0168	10.191	10	------	--------
10.598	ENDO. SULFATE	0.0010	0.00000	0.10	765	311	-0.129	-0.0137	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.504	ENDRIN KETONE	0.0032	0.00000	0.32	2286	1020	-0.001	-0.0001	11.504	10	------	--------
12.423	PCB195	2.0000	0.00000	200.00	1610697	692473	-0.015	-0.0019	12.424	10	------	--------
13.420	Y	2.0000	0.00000	200.00	1379205	551711	-0.003	-0.0004	13.421	10	------	--------
13.976	DCB	0.0615	0.20000	6.15	75721	25342	-0.023	-0.0032	13.980	10	1e+07	30.7
		5.5258			4110674	2e+06						118.9

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9013.TX0

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**98**	**(60 - 140)**			**SW846 8081A**
	90	**(60 - 140)**	**8.8**	**(0-45)**	**SW846 8081A**
alpha-BHC	107	(60 - 140)			SW846 8081A
	101	(60 - 140)	6.2	(0-48)	SW846 8081A
beta-BHC	107	(60 - 140)			SW846 8081A
	101	(60 - 140)	6.0	(0-47)	SW846 8081A
delta-BHC	114	(60 - 140)			SW846 8081A
	108	(60 - 140)	6.1	(0-45)	SW846 8081A
gamma-BHC (Lindane)	**110**	**(60 - 140)**			**SW846 8081A**
	104	**(60 - 140)**	**5.6**	**(0-44)**	**SW846 8081A**
alpha-Chlordane	102	(60 - 140)			SW846 8081A
	93	(60 - 140)	9.3	(0-47)	SW846 8081A
gamma-Chlordane	104	(60 - 140)			SW846 8081A
	98	(60 - 140)	6.3	(0-37)	SW846 8081A
4,4'-DDD	107	(60 - 140)			SW846 8081A
	98	(60 - 140)	8.3	(0-45)	SW846 8081A
4,4'-DDE	112	(60 - 140)			SW846 8081A
	103	(60 - 140)	8.5	(0-44)	SW846 8081A
4,4'-DDT	**108**	**(60 - 140)**			**SW846 8081A**
	100	**(60 - 140)**	**8.1**	**(0-45)**	**SW846 8081A**
Dieldrin	**103**	**(60 - 140)**			**SW846 8081A**
	96	**(60 - 140)**	**7.2**	**(0-43)**	**SW846 8081A**
Endosulfan I	105	(60 - 140)			SW846 8081A
	97	(60 - 140)	7.4	(0-44)	SW846 8081A
Endosulfan II	106	(60 - 140)			SW846 8081A
	98	(60 - 140)	7.4	(0-48)	SW846 8081A
Endosulfan sulfate	100	(60 - 140)			SW846 8081A
	94	(60 - 140)	6.2	(0-45)	SW846 8081A
Endrin	**110**	**(60 - 140)**			**SW846 8081A**
	100	**(60 - 140)**	**9.4**	**(0-49)**	**SW846 8081A**
Endrin aldehyde	98	(60 - 140)			SW846 8081A
	90	(60 - 140)	8.6	(0-49)	SW846 8081A
Endrin ketone	96	(60 - 140)			SW846 8081A
	91	(60 - 140)	4.8	(0-50)	SW846 8081A
Heptachlor	**106**	**(60 - 140)**			**SW846 8081A**
	97	**(60 - 140)**	**8.6**	**(0-45)**	**SW846 8081A**
Heptachlor epoxide	104	(60 - 140)			SW846 8081A
	96	(60 - 140)	7.9	(0-44)	SW846 8081A
Methoxychlor	121	(60 - 140)			SW846 8081A
	113	(60 - 140)	6.9	(0-48)	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(34 - 144)
	83	(34 - 144)
Decachlorobiphenyl	75	(30 - 126)
	44	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD
Prep Date.....: 04/05/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6095224
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.489**	**ug**	**98**		**SW846 8081A**
	0.500	**0.448**	**ug**	**90**	**8.8**	**SW846 8081A**
alpha-BHC	0.500	0.535	ug	107		SW846 8081A
	0.500	0.503	ug	101	6.2	SW846 8081A
beta-BHC	0.500	0.536	ug	107		SW846 8081A
	0.500	0.505	ug	101	6.0	SW846 8081A
delta-BHC	0.500	0.572	ug	114		SW846 8081A
	0.500	0.538	ug	108	6.1	SW846 8081A
gamma-BHC (Lindane)	**0.500**	**0.551**	**ug**	**110**		**SW846 8081A**
	0.500	**0.521**	**ug**	**104**	**5.6**	**SW846 8081A**
alpha-Chlordane	0.500	0.512	ug	102		SW846 8081A
	0.500	0.466	ug	93	9.3	SW846 8081A
gamma-Chlordane	0.500	0.522	ug	104		SW846 8081A
	0.500	0.490	ug	98	6.3	SW846 8081A
4,4'-DDD	0.500	0.534	ug	107		SW846 8081A
	0.500	0.491	ug	98	8.3	SW846 8081A
4,4'-DDE	0.500	0.562	ug	112		SW846 8081A
	0.500	0.516	ug	103	8.5	SW846 8081A
4,4'-DDT	**0.500**	**0.542**	**ug**	**108**		**SW846 8081A**
	0.500	**0.499**	**ug**	**100**	**8.1**	**SW846 8081A**
Dieldrin	**0.500**	**0.515**	**ug**	**103**		**SW846 8081A**
	0.500	**0.479**	**ug**	**96**	**7.2**	**SW846 8081A**
Endosulfan I	0.500	0.523	ug	105		SW846 8081A
	0.500	0.486	ug	97	7.4	SW846 8081A
Endosulfan II	0.500	0.530	ug	106		SW846 8081A
	0.500	0.492	ug	98	7.4	SW846 8081A
Endosulfan sulfate	0.500	0.502	ug	100		SW846 8081A
	0.500	0.472	ug	94	6.2	SW846 8081A
Endrin	**0.500**	**0.550**	**ug**	**110**		**SW846 8081A**
	0.500	**0.500**	**ug**	**100**	**9.4**	**SW846 8081A**
Endrin aldehyde	0.500	0.489	ug	98		SW846 8081A
	0.500	0.448	ug	90	8.6	SW846 8081A
Endrin ketone	0.500	0.478	ug	96		SW846 8081A
	0.500	0.456	ug	91	4.8	SW846 8081A
Heptachlor	**0.500**	**0.528**	**ug**	**106**		**SW846 8081A**
	0.500	**0.485**	**ug**	**97**	**8.6**	**SW846 8081A**
Heptachlor epoxide	0.500	0.521	ug	104		SW846 8081A
	0.500	0.481	ug	96	7.9	SW846 8081A
Methoxychlor	0.500	0.603	ug	121		SW846 8081A
	0.500	0.563	ug	113	6.9	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2MKT1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D050000-224 H2MKT1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(34 - 144)
	83	(34 - 144)
Decachlorobiphenyl	75	(30 - 126)
	44	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

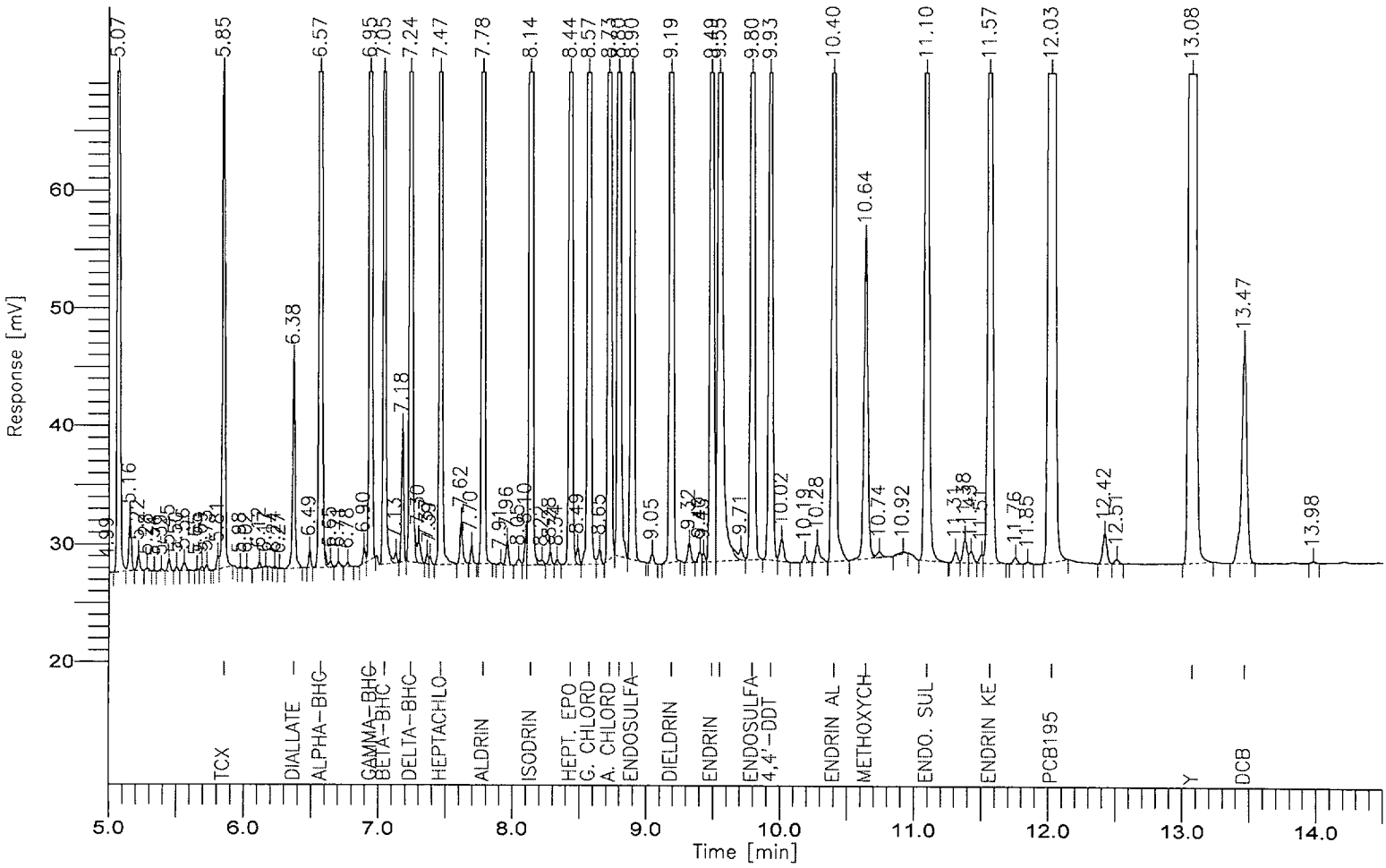
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:00 PM
Sample Number: H2MKT1ACC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 06:51 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9014.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9014.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9014.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1999	0.20000	19.99	63662	53991	-0.040	-0.0023	5.855	10	3e+07	100.0
6.375	Diallate	1.5565	0.00000	155.65	22822	17735	-0.036	-0.0023	6.377	10	------	--------
6.574	ALPHA-BHC	0.5348	0.00000	53.48	256803	228475	-0.034	-0.0022	6.576	10	------	--------
6.945	GAMMA-BHC	0.5513	0.00000	55.13	211917	191327	-0.024	-0.0017	6.947	10	------	--------
7.047	BETA-BHC	0.5364	0.00000	53.64	92946	81287	-0.027	-0.0019	7.049	10	------	--------
7.244	DELTA-BHC	0.5722	0.00000	57.22	221685	198617	-0.026	-0.0019	7.246	10	------	--------
7.466	HEPTACHLOR	0.6439	0.00000	64.39	153919	131849	-0.024	-0.0018	7.468	10	------	--------
7.782	ALDRIN	0.5075	0.00000	50.75	223897	193247	-0.017	-0.0013	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	388328	310116	-0.021	-0.0017	8.140	10	103.7	3.3e-04
8.436	HEPT. EPOXIDE	0.5419	0.00000	54.19	189769	145035	-0.014	-0.0012	8.437	10	------	--------
8.574	G. CHLORDANE	0.5376	0.00000	53.76	202666	149616	-0.018	-0.0016	8.576	10	------	--------
8.726	A. CHLORDANE	0.5248	0.00000	52.48	200575	145519	-0.016	-0.0014	8.728	10	------	--------
8.798	4,4'-DDE	0.5733	0.00000	57.33	195066	140022	-0.022	-0.0019	8.799	10	------	--------
8.897	ENDOSULFAN I	0.5374	0.00000	53.74	179873	126437	-0.021	-0.0019	8.899	10	------	--------
9.190	DIELDRIN	0.5414	0.00000	54.14	190411	127122	-0.018	-0.0016	9.191	10	------	--------
9.492	ENDRIN	0.6002	0.00000	60.02	162469	102684	-0.019	-0.0018	9.494	10	------	--------
9.551	DDD & Chlorobe	2.4608	0.00000	246.08	194361	98860	-0.051	-0.0049	9.556	10	------	--------
9.796	ENDOSULFAN II	0.5499	0.00000	54.99	164729	99540	-0.022	-0.0022	9.798	10	------	--------
9.932	4,4'-DDT	0.6562	0.00000	65.62	113007	66580	-0.022	-0.0022	9.934	10	------	--------
10.404	ENDRIN ALDEHYD	0.5386	0.00000	53.86	125567	68045	-0.020	-0.0021	10.406	10	------	--------
10.642	METHOXYCHLOR	0.6459	0.00000	64.59	54612	27192	-0.025	-0.0026	10.645	10	------	--------
11.097	ENDO. SULFATE	0.5480	0.00000	54.80	138567	69812	-0.019	-0.0021	11.099	10	------	--------
11.569	ENDRIN KETONE	0.5452	0.00000	54.52	161147	78914	-0.035	-0.0041	11.573	10	------	--------
12.028	PCB195	2.0000	0.00000	200.00	755406	343833	-0.022	-0.0027	12.030	10	------	--------
13.075	Y	2.0000	0.00000	200.00	639129	268272	-0.038	-0.0050	13.081	10	------	--------
13.465	DCB	0.1503	0.20000	15.03	50019	18507	-0.020	-0.0027	13.468	10	9e+06	75.1
		20.0538			5353351	3e+06						175.1

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9014.TX0

Spike amt 1.5 ug

chlorobenzilate = 109.7% R (back column)

Diallate = ~~103.8% R~~ 94.8% Recovery (back column)

4/21/06

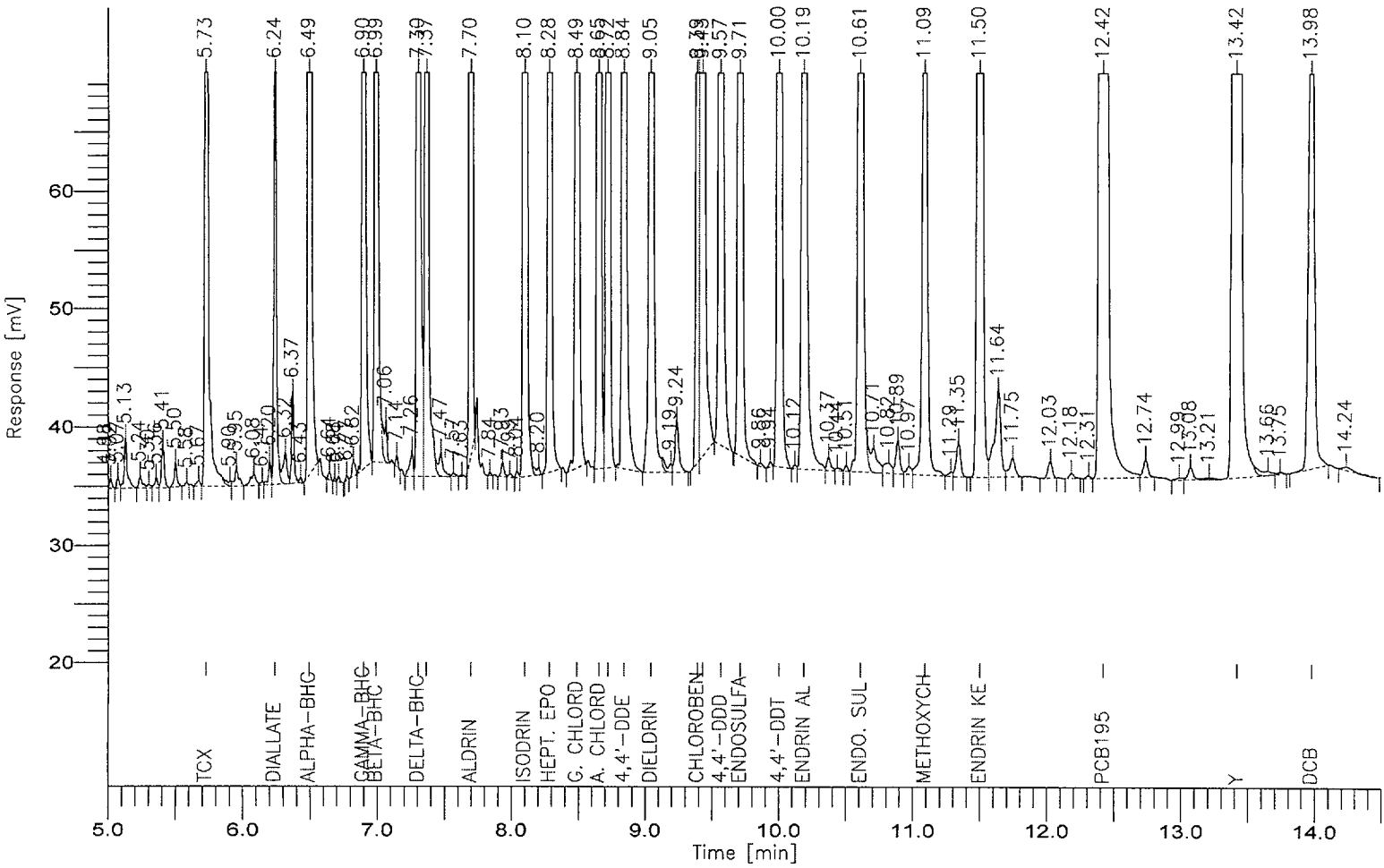
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:38 PM
Sample Number: H2MKT1ACC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 06:51 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9014.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9014.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9014.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1830	0.20000	18.30	171955	134319	-0.037	-0.0021	5.729	10	7e+07	91.5
6.238	Diallate	1.4215	0.00000	142.15	51090	40414	-0.031	-0.0019	6.240	10	------	--------
6.494	ALPHA-BHC	0.5658	0.00000	56.58	496176	442466	-0.021	-0.0014	6.495	10	------	--------
6.897	GAMMA-BHC	0.5724	0.00000	57.24	400537	359659	-0.015	-0.0010	6.898	10	------	--------
6.991	BETA-BHC	0.5824	0.00000	58.24	217783	174637	-0.021	-0.0014	6.993	10	------	--------
7.303	DELTA-BHC	0.5956	0.00000	59.56	421602	367643	-0.014	-0.0010	7.304	10	------	--------
7.366	HEPTACHLOR	0.5285	0.00000	52.85	302897	250230	-0.018	-0.0013	7.367	10	------	--------
7.696	ALDRIN	0.4886	0.00000	48.86	490951	436762	-0.017	-0.0013	7.698	10	------	--------
8.100	ISODRIN	1.0000	5.0954e+05	100.00	828275	659285	-0.005	-0.0004	8.100	10	129.4	2.0e-04
8.284	HEPT. EPOXIDE	0.5207	0.00000	52.07	378717	296733	-0.008	-0.0007	8.285	10	------	--------
8.490	G. CHLORDANE	0.5221	0.00000	52.21	449962	336498	-0.007	-0.0006	8.490	10	------	--------
8.654	A. CHLORDANE	0.5115	0.00000	51.15	449608	337566	-0.014	-0.0012	8.655	10	------	--------
8.721	ENDOSULFAN I	0.5232	0.00000	52.32	390566	281735	-0.010	-0.0009	8.722	10	------	--------
8.841	4,4'-DDE	0.5622	0.00000	56.22	451544	313976	-0.020	-0.0017	8.842	10	------	--------
9.046	DIELDRIN	0.5153	0.00000	51.53	402314	262033	-0.009	-0.0008	9.046	10	------	--------
9.393	Chlorobenzilat	1.6455	0.00000	164.55	97643	63370	-0.025	-0.0024	9.396	10	------	--------
9.431	ENDRIN	0.5497	0.00000	54.97	347031	211794	-0.007	-0.0006	9.432	10	------	--------
9.566	4,4'-DDD	0.5341	0.00000	53.41	296314	175888	-0.028	-0.0027	9.569	10	------	--------
9.711	ENDOSULFAN II	0.5300	0.00000	53.00	351732	214632	-0.008	-0.0008	9.712	10	------	--------
10.004	4,4'-DDT	0.5415	0.00000	54.15	256863	146596	-0.016	-0.0016	10.006	10	------	--------
10.189	ENDRIN ALDEHYD	0.4887	0.00000	48.87	279468	144819	-0.012	-0.0012	10.191	10	------	--------
10.611	ENDO. SULFATE	0.5020	0.00000	50.20	299598	154756	-0.013	-0.0014	10.612	10	------	--------
11.092	METHOXYCHLOR	0.6032	0.00000	60.32	140580	64570	-0.013	-0.0014	11.093	10	------	--------
11.502	ENDRIN KETONE	0.4778	0.00000	47.78	330166	155677	-0.020	-0.0023	11.504	10	------	--------
12.423	PCB195	2.0000	0.00000	200.00	1686298	744271	-0.010	-0.0012	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1442877	581989	-0.011	-0.0015	13.421	10	------	--------
13.977	DCB	0.1541	0.20000	15.41	134393	50209	-0.020	-0.0029	13.980	10	3e+07	77.0
		19.1194			11566940	7e+06						168.5

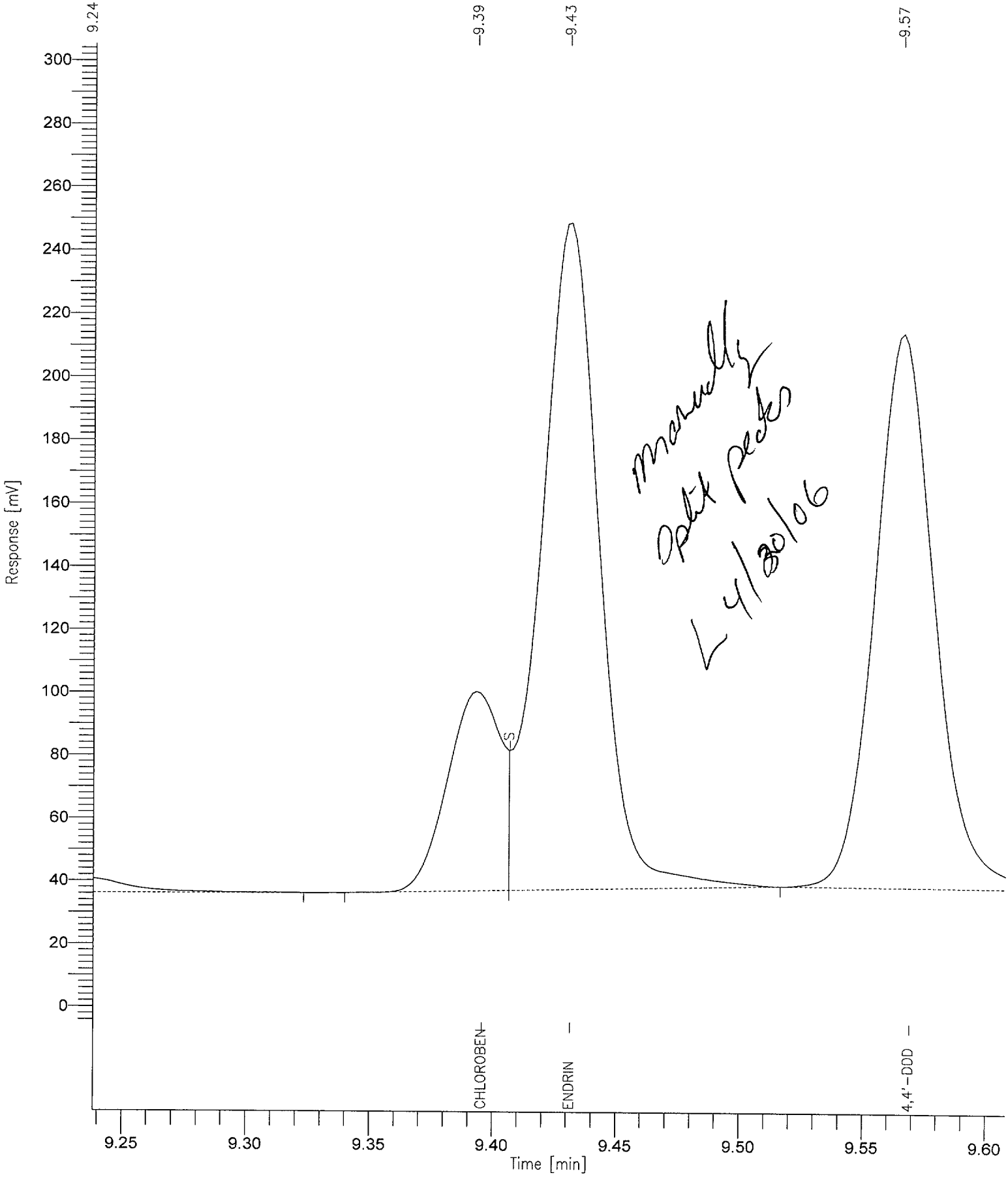
Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9014.TX0

manually integrated
LJ 4/20/06

Chromatogram

Sample Name : 6095224
FileName : K:\#GST\#SEQ\D19S6W\S#B9014.RAW
Method :
Start Time : 9.24 min End Time : 9.61 min
Scale Factor: 0.0 Plot Offset: -5 mV

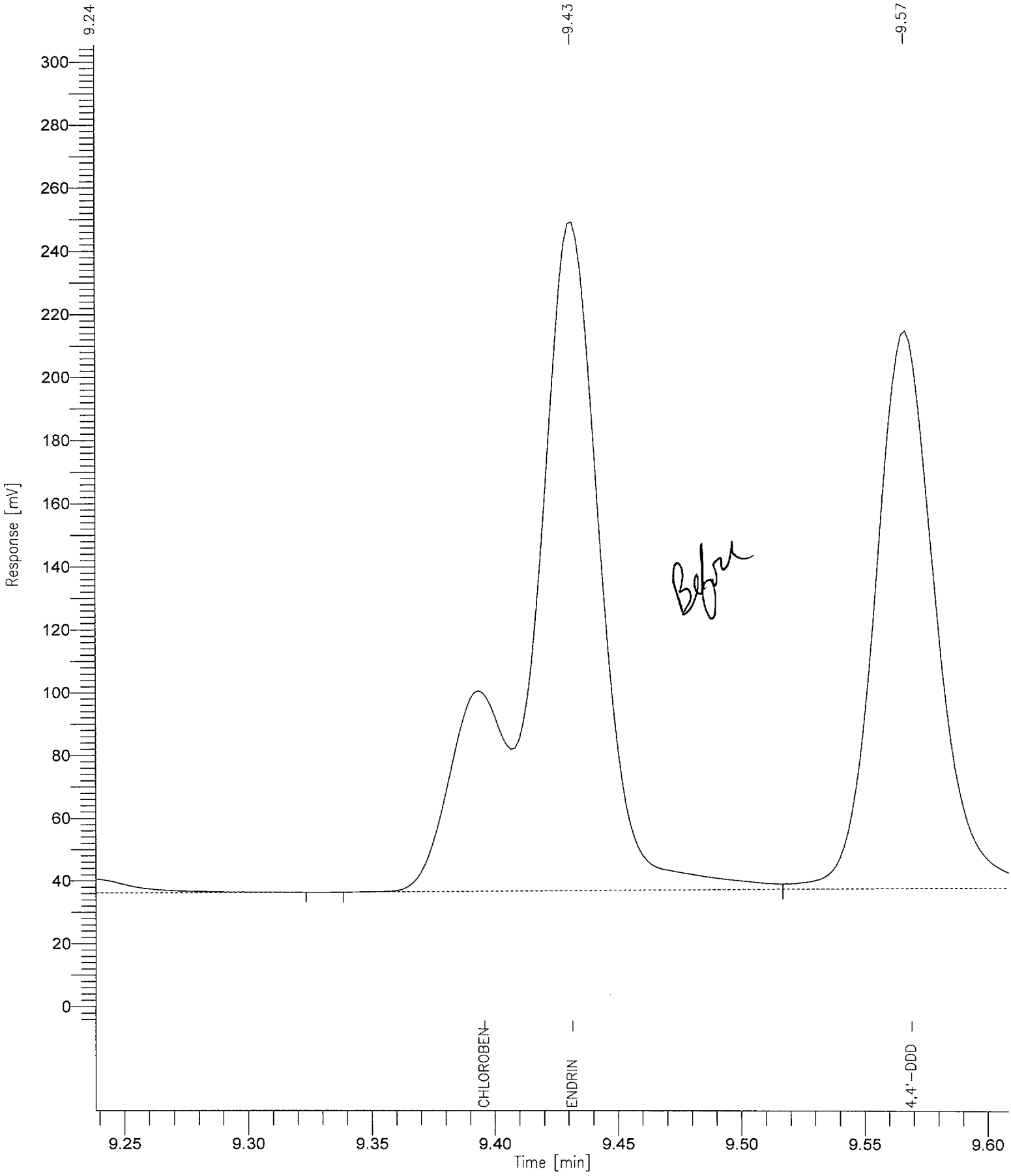
Sample #: H2MKT1ACC Page 1 of 1
Date : 4/20/2006 03:08 PM
Time of Injection: 4/19/2006 06:51 PM
Low Point : -4.68 mV High Point : 305.23 mV
Plot Scale: 309.9 mV



Chromatogram

Sample Name : 6095224
FileName : K:\#GST\#SEQ\D19S6W\S#B9014.RAW
Method :
Start Time : 9.24 min End Time : 9.61 min
Scale Factor: 0.0 Plot Offset: -5 mV

Sample #: H2MKT1ACC Page 1 of 1
Date : 4/20/2006 03:07 PM
Time of Injection: 4/19/2006 06:51 PM
Low Point : -4.68 mV High Point : 305.23 mV
Plot Scale: 309.9 mV



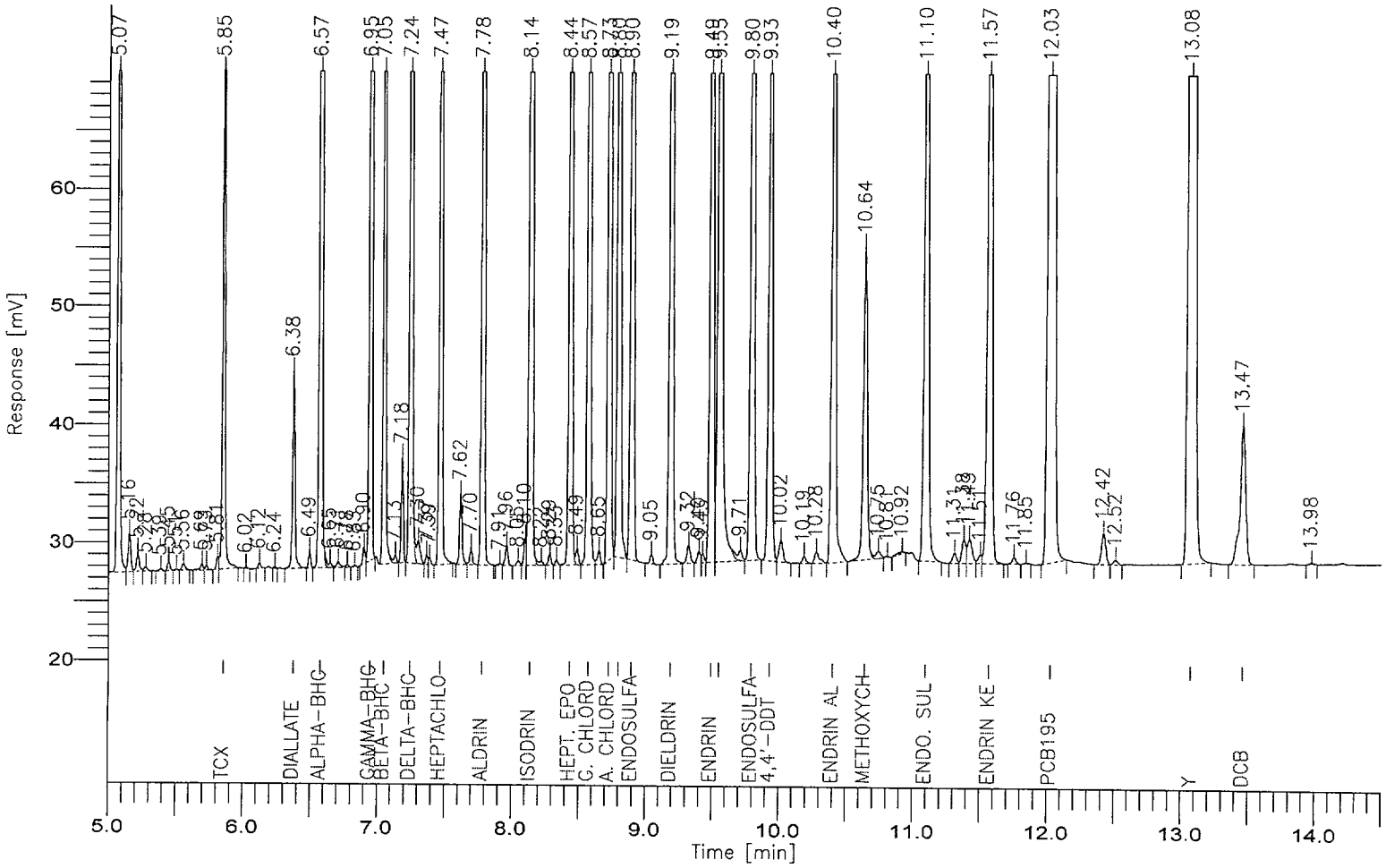
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:00 PM
Sample Number: H2MKT1ADL Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 07:11 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9015.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9015.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9015.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1885	0.20000	18.85	61540	50628	-0.038	-0.0022	5.855	10	3e+07	94.2
6.375	Diallate	1.4588	0.00000	145.88	21538	16752	-0.038	-0.0024	6.377	10	------	--------
6.574	ALPHA-BHC	0.5026	0.00000	50.26	242485	213567	-0.031	-0.0020	6.576	10	------	--------
6.945	GAMMA-BHC	0.5214	0.00000	52.14	198292	180001	-0.026	-0.0018	6.947	10	------	--------
7.047	BETA-BHC	0.5054	0.00000	50.54	87091	76182	-0.023	-0.0016	7.049	10	------	--------
7.244	DELTA-BHC	0.5382	0.00000	53.82	207307	185846	-0.027	-0.0019	7.246	10	------	--------
7.466	HEPTACHLOR	0.6017	0.00000	60.17	142369	122569	-0.022	-0.0016	7.468	10	------	--------
7.782	ALDRIN	0.4809	0.00000	48.09	210222	182171	-0.019	-0.0015	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	391035	308474	-0.020	-0.0017	8.140	10	103.1	3.3e-04
8.436	HEPT. EPOXIDE	0.5056	0.00000	50.56	178197	134618	-0.010	-0.0008	8.437	10	------	--------
8.574	G. CHLORDANE	0.5046	0.00000	50.46	189259	139672	-0.018	-0.0016	8.576	10	------	--------
8.726	A. CHLORDANE	0.4955	0.00000	49.55	189124	136661	-0.016	-0.0014	8.728	10	------	--------
8.798	4,4'-DDE	0.5474	0.00000	54.74	184331	132967	-0.019	-0.0017	8.799	10	------	--------
8.897	ENDOSULFAN I	0.5106	0.00000	51.06	169290	119491	-0.017	-0.0015	8.899	10	------	--------
9.190	DIELDRIN	0.5165	0.00000	51.65	181081	120650	-0.015	-0.0014	9.191	10	------	--------
9.493	ENDRIN	0.5726	0.00000	57.26	152851	97450	-0.013	-0.0013	9.494	10	------	--------
9.551	DDD & Chlorobe	2.3391	0.00000	233.91	184474	92976	-0.054	-0.0051	9.556	10	------	--------
9.796	ENDOSULFAN II	0.5280	0.00000	52.80	156232	95072	-0.023	-0.0023	9.798	10	------	--------
9.932	4,4'-DDT	0.6199	0.00000	61.99	107574	62561	-0.020	-0.0019	9.934	10	------	--------
10.404	ENDRIN ALDEHYD	0.5068	0.00000	50.68	117954	63695	-0.021	-0.0022	10.406	10	------	--------
10.642	METHOXYCHLOR	0.6340	0.00000	63.40	53782	26549	-0.020	-0.0021	10.645	10	------	--------
11.097	ENDO. SULFATE	0.5222	0.00000	52.22	131727	66181	-0.018	-0.0020	11.099	10	------	--------
11.570	ENDRIN KETONE	0.5154	0.00000	51.54	154749	74207	-0.026	-0.0030	11.573	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	789129	362191	-0.025	-0.0030	12.030	10	------	--------
13.075	Y	2.0000	0.00000	200.00	673816	284772	-0.041	-0.0054	13.081	10	------	--------
13.465	DCB	0.0955	0.20000	9.55	33785	11695	-0.022	-0.0030	13.468	10	6e+06	47.7
		19.2111			5209234	3e+06						142.0

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9015.TX0

Diallate (back) = 88.8% Recovery

Chlorobenzilate (back) = 107.9% Recovery

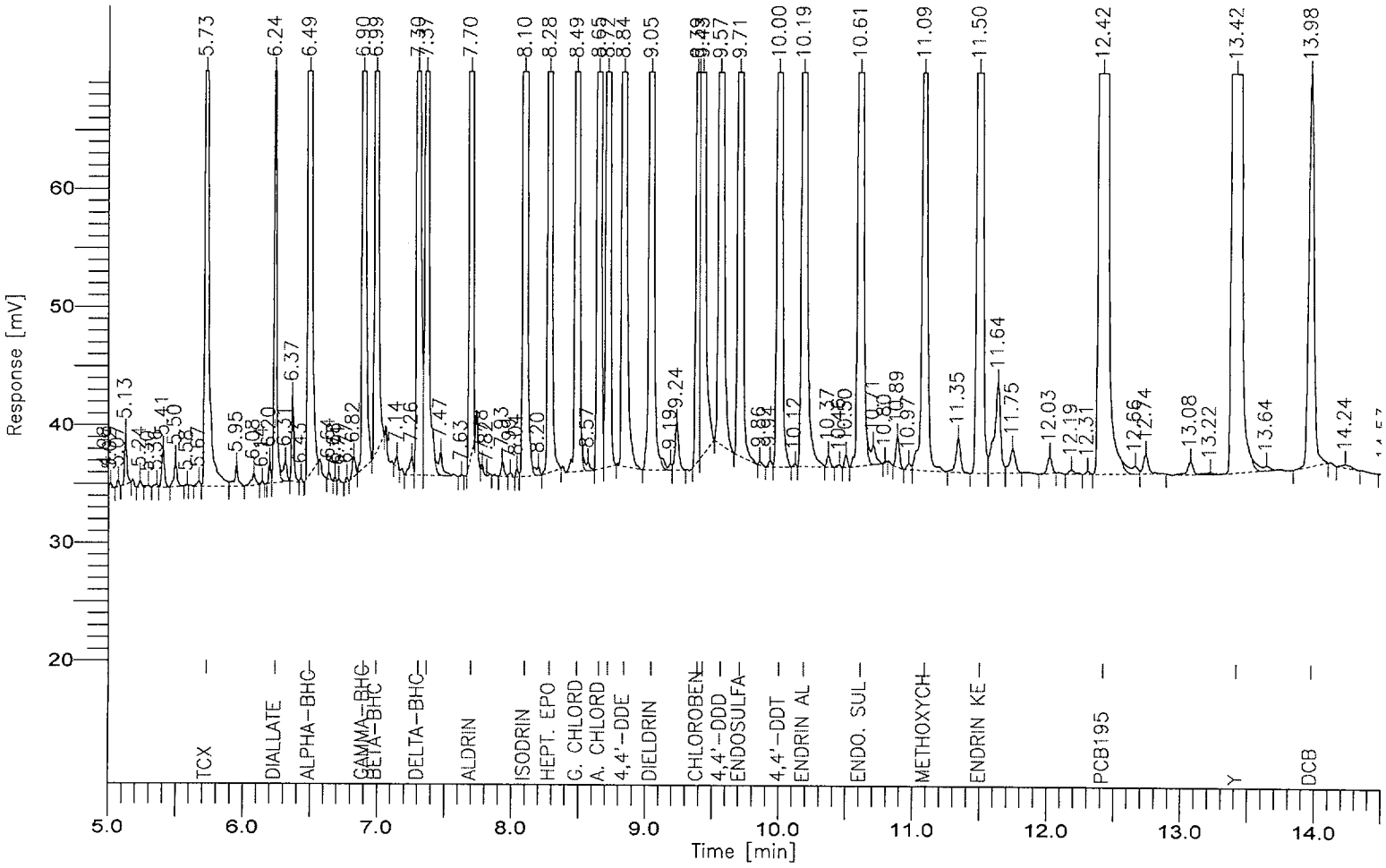
Software Version: 4.1<2F12>
Sample Name : 6095224 Time : 4/20/2006 03:47 PM
Sample Number: H2MKT1ADL Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 07:11 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9015.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9015.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9015.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1666	0.20000	16.66	166915	126516	-0.032	-0.0018	5.729	10	6e+07	83.3
6.238	Diallate	1.3315	0.00000	133.15	48803	38379	-0.023	-0.0015	6.240	10	------	--------
6.494	ALPHA-BHC	0.5192	0.00000	51.92	475736	420123	-0.014	-0.0009	6.495	10	------	--------
6.897	GAMMA-BHC	0.5237	0.00000	52.37	381014	340449	-0.013	-0.0009	6.898	10	------	--------
6.991	BETA-BHC	0.5213	0.00000	52.13	198858	161750	-0.019	-0.0013	6.993	10	------	--------
7.303	DELTA-BHC	0.5438	0.00000	54.38	399778	347350	-0.015	-0.0011	7.304	10	------	--------
7.366	HEPTACHLOR	0.4850	0.00000	48.50	286455	237634	-0.014	-0.0011	7.367	10	------	--------
7.697	ALDRIN	0.4475	0.00000	44.75	471429	413927	-0.011	-0.0009	7.698	10	------	--------
8.100	ISODRIN	1.0000	5.0954e+05	100.00	844660	682187	-0.004	-0.0003	8.100	10	133.9	2.0e-04
8.284	HEPT. EPOXIDE	0.4813	0.00000	48.13	363233	283756	-0.004	-0.0003	8.285	10	------	--------
8.490	G. CHLORDANE	0.4901	0.00000	49.01	433422	326823	-0.005	-0.0004	8.490	10	------	--------
8.654	A. CHLORDANE	0.4659	0.00000	46.59	432406	318138	-0.006	-0.0005	8.655	10	------	--------
8.721	ENDOSULFAN I	0.4856	0.00000	48.56	374747	270535	-0.008	-0.0007	8.722	10	------	--------
8.841	4,4'-DDE	0.5165	0.00000	51.65	433850	298484	-0.016	-0.0014	8.842	10	------	--------
9.046	DIELDRIN	0.4794	0.00000	47.94	384400	252219	-0.003	-0.0003	9.046	10	------	--------
9.394	Chlorobenzilat	1.6189	0.00000	161.89	97964	61453	-0.019	-0.0018	9.396	10	------	--------
9.432	ENDRIN	0.5004	0.00000	50.04	329301	199516	0.001	0.0001	9.432	10	------	--------
9.567	4,4'-DDD	0.4913	0.00000	49.13	287059	167436	-0.026	-0.0025	9.569	10	------	--------
9.712	ENDOSULFAN II	0.4919	0.00000	49.19	340429	206116	0.001	0.0001	9.712	10	------	--------
10.004	4,4'-DDT	0.4992	0.00000	49.92	249292	139857	-0.015	-0.0015	10.006	10	------	--------
10.190	ENDRIN ALDEHYD	0.4484	0.00000	44.84	264837	137494	-0.007	-0.0007	10.191	10	------	--------
10.611	ENDO. SULFATE	0.4719	0.00000	47.19	288788	150541	-0.005	-0.0005	10.612	10	------	--------
11.092	METHOXYCHLOR	0.5627	0.00000	56.27	140004	62600	-0.013	-0.0015	11.093	10	------	--------
11.503	ENDRIN KETONE	0.4555	0.00000	45.55	320815	153578	-0.008	-0.0009	11.504	10	------	--------
12.423	PCB195	2.0000	0.00000	200.00	1773979	775533	-0.009	-0.0012	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1531303	631540	-0.011	-0.0015	13.421	10	------	--------
13.977	DCB	0.0876	0.20000	8.76	91517	34048	-0.019	-0.0027	13.980	10	2e+07	43.8
		18.0852			11410994	7e+06						127.1

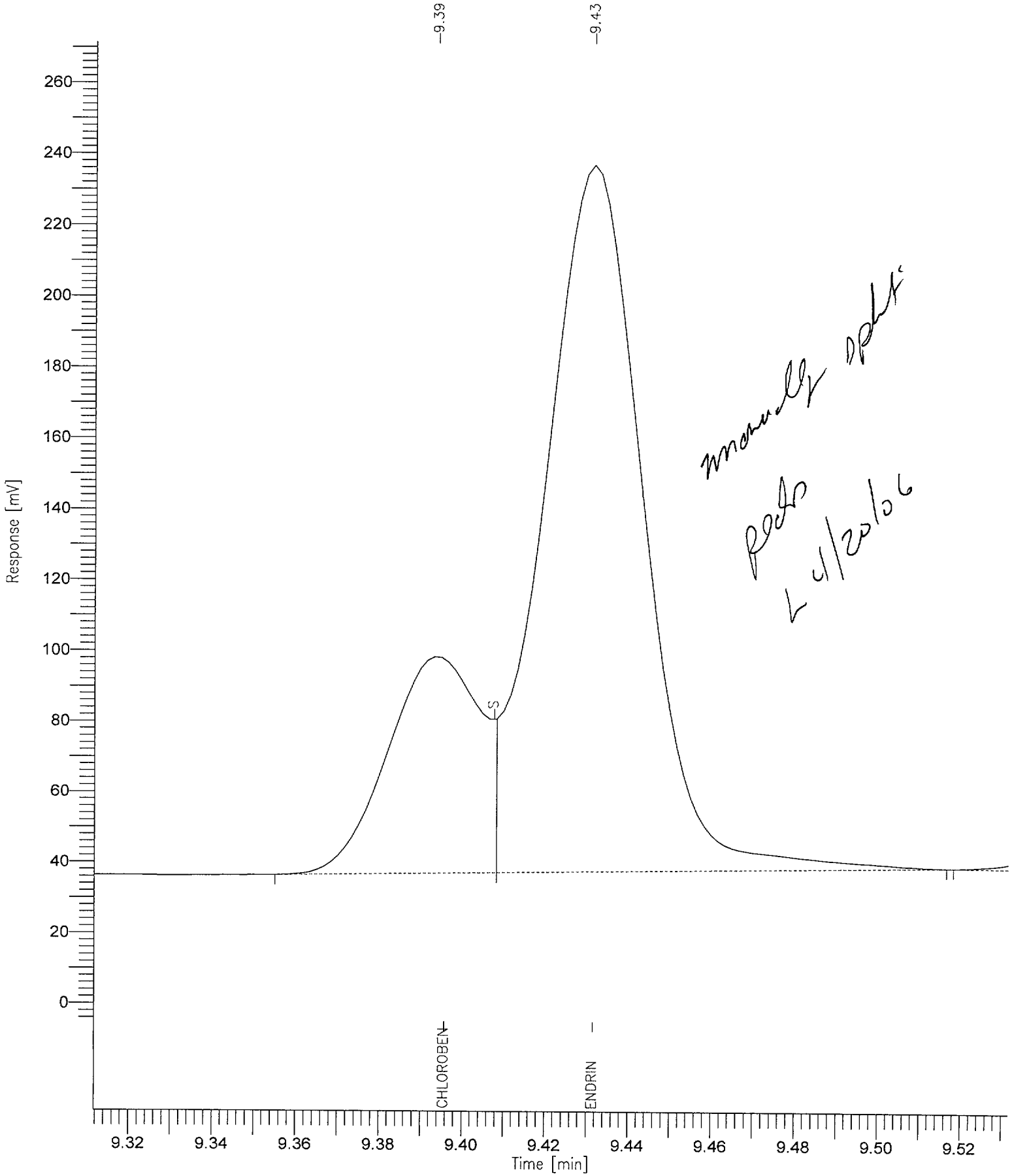
Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9015.TX0

manually opted peaks
L 4/20/06

Chromatogram

Sample Name : 6095224
FileName : K:\#GST\#SEQ\D19S6W\S#B9015.RAW
Method :
Start Time : 9.31 min End Time : 9.53 min
Scale Factor: 0.0 Plot Offset: -5 mV

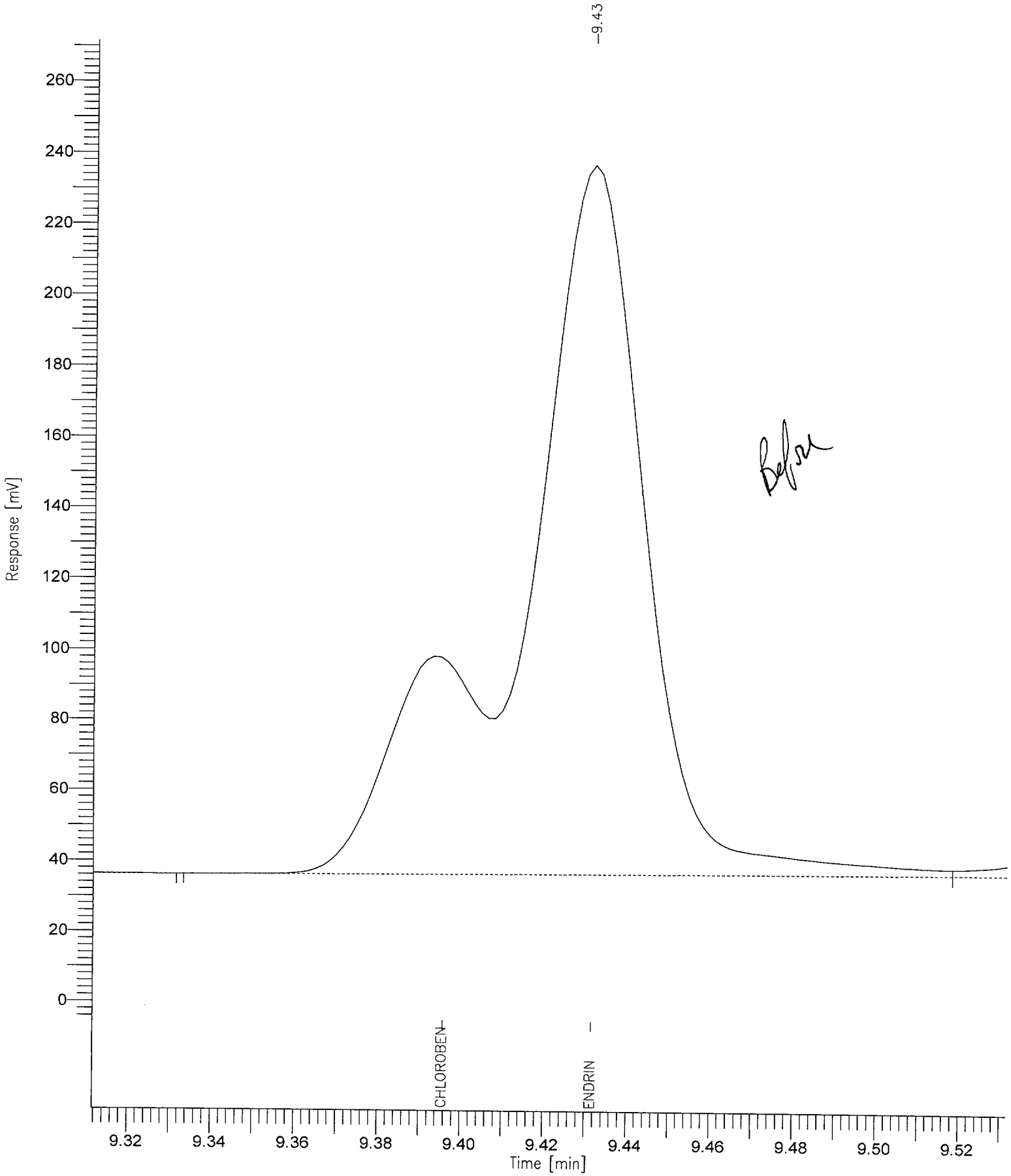
Sample #: H2MKT1ADL Page 1 of 1
Date : 4/20/2006 03:09 PM
Time of Injection: 4/19/2006 07:11 PM
Low Point : -4.95 mV High Point : 271.38 mV
Plot Scale: 276.3 mV



Chromatogram

Sample Name : 6095224
FileName : K:\#GST\#SEQ\D19S6W\S#B9015.RAW
Method :
Start Time : 9.31 min End Time : 9.53 min
Scale Factor: 0.0 Plot Offset: -5 mV

Sample #: H2MKT1ADL Page 1 of 1
Date : 4/20/2006 03:08 PM
Time of Injection: 4/19/2006 07:11 PM
Low Point : -4.95 mV High Point : 271.38 mV
Plot Scale: 276.3 mV



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-186

Prep Date.....: 04/06/06
Analysis Date..: 04/19/06 **Prep Batch #...:** 6096186
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.20	ug	SW846 8081A
alpha-BHC	ND	0.10	ug	SW846 8081A
beta-BHC	ND	0.10	ug	SW846 8081A
delta-BHC	ND	0.050	ug	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug	SW846 8081A
alpha-Chlordane	ND	0.050	ug	SW846 8081A
gamma-Chlordane	ND	0.30	ug	SW846 8081A
Chlorobenzilate	ND	0.40	ug	SW846 8081A
4,4'-DDD	ND	0.30	ug	SW846 8081A
4,4'-DDE	ND	0.20	ug	SW846 8081A
4,4'-DDT	ND	0.10	ug	SW846 8081A
Diallate	ND	30	ug	SW846 8081A
Dieldrin	ND	0.050	ug	SW846 8081A
Endosulfan I	ND	0.050	ug	SW846 8081A
Endosulfan II	ND	0.050	ug	SW846 8081A
Endosulfan sulfate	ND	0.10	ug	SW846 8081A
Endrin	ND	0.40	ug	SW846 8081A
Endrin aldehyde	ND	0.10	ug	SW846 8081A
Endrin ketone	ND	0.050	ug	SW846 8081A
Heptachlor	**0.027 J,COL**	**0.050**	**ug**	**SW846 8081A**
Heptachlor epoxide	ND	0.050	ug	SW846 8081A
Methoxychlor	ND	0.10	ug	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(34 - 144)
Decachlorobiphenyl	97	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

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

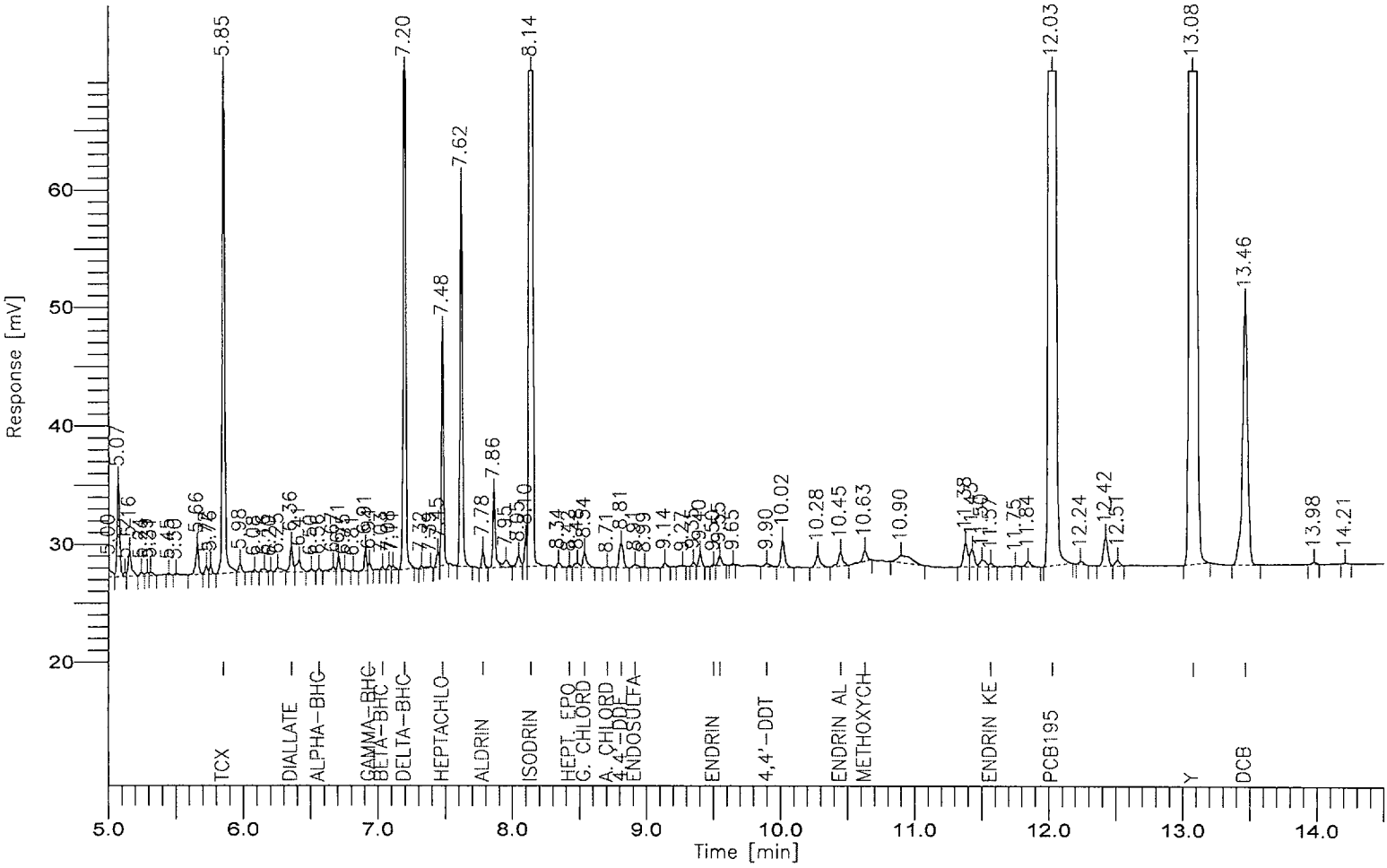
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2PKR1AAB Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 09:09 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9021.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9021.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9021.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.852	TCX	0.1828	0.20000	18.28	56965	45532	-0.043	-0.0025	5.855	10	2e+07	91.4
6.356	Diallate	0.2488	0.00000	24.88	3390	2227	-0.342	-0.0218	6.377	10	------	--------
6.560	ALPHA-BHC	0.0007	0.00000	0.07	487	258	-0.245	-0.0161	6.576	10	------	--------
6.936	GAMMA-BHC	0.0019	0.00000	0.19	784	612	-0.157	-0.0109	6.947	10	------	--------
7.031	BETA-BHC	0.0019	0.00000	0.19	324	260	-0.252	-0.0178	7.049	10	------	--------
7.197	DELTA-BHC	0.1793	0.00000	17.93	67340	57410	-0.668	-0.0484	7.246	10	------	--------
7.479	HEPTACHLOR	0.1065	0.00000	10.65	22174	20120	0.150	0.0112	7.468	10	------	--------
7.781	ALDRIN	0.0044	0.00000	0.44	1948	1559	-0.031	-0.0024	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	360852	285991	-0.028	-0.0023	8.140	10	95.6	3.3e-04
8.424	HEPT. EPOXIDE	0.0007	0.00000	0.07	222	180	-0.154	-0.0130	8.437	10	------	--------
8.537	G. CHLORDANE	0.0051	0.00000	0.51	2441	1308	-0.452	-0.0387	8.576	10	------	--------
8.706	A. CHLORDANE	0.0003	0.00000	0.03	124	79	-0.246	-0.0215	8.728	10	------	--------
8.811	4,4'-DDE	0.0091	0.00000	0.91	4467	2046	0.133	0.0117	8.799	10	------	--------
8.914	ENDOSULFAN I	0.0012	0.00000	0.12	737	269	0.174	0.0155	8.899	10	------	--------
9.191	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.503	ENDRIN	0.0008	0.00000	0.08	217	130	0.096	0.0091	9.494	10	------	--------
9.548	DDD & Chlorobe	0.2473	0.00000	24.73	1447	780	-0.090	-0.0086	9.556	10	------	--------
9.798	ENDOSULFAN II	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.900	4,4'-DDT	0.0028	0.00000	0.28	757	265	-0.341	-0.0339	9.934	10	------	--------
10.449	ENDRIN ALDEHYD	0.0101	0.00000	1.01	2813	1173	0.408	0.0425	10.406	10	------	--------
10.631	METHOXYCHLOR	0.0238	0.00000	2.38	2144	925	-0.131	-0.0140	10.645	10	------	--------
11.099	ENDO. SULFATE	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.569	ENDRIN KETONE	0.0021	0.00000	0.21	534	285	-0.035	-0.0040	11.573	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	725536	331268	-0.030	-0.0036	12.030	10	------	--------
13.075	Y	2.0000	0.00000	200.00	617769	262455	-0.043	-0.0056	13.081	10	------	--------
13.464	DCB	0.1951	0.20000	19.51	58639	22161	-0.032	-0.0044	13.468	10	1e+07	97.6
		6.2250			1932111	1e+06						189.0

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9021.TX0

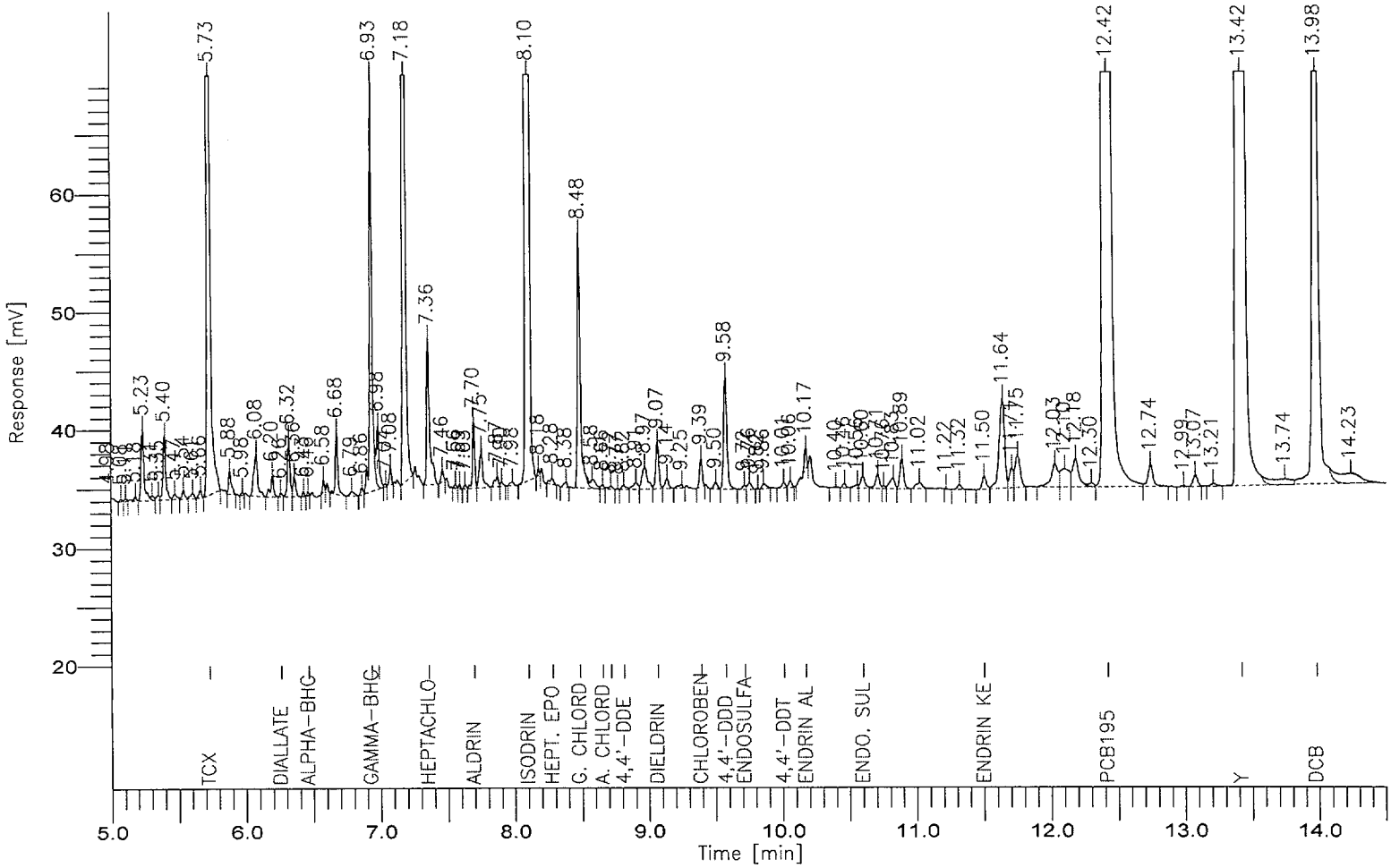
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2PKR1AAB Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 09:09 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9021.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9021.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9021.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1602	0.20000	16.02	146483	115601	-0.037	-0.0021	5.729	10	6e+07	80.1
6.260	Diallate	0.0107	0.00000	1.07	369	324	0.317	0.0198	6.240	10	------	--------
6.463	ALPHA-BHC	0.0005	0.00000	0.05	307	348	-0.496	-0.0322	6.495	10	------	--------
6.932	GAMMA-BHC	0.0601	0.00000	6.01	48369	37112	0.494	0.0340	6.898	10	------	--------
6.982	BETA-BHC	0.0171	0.00000	1.71	7867	5038	-0.158	-0.0110	6.993	10	------	--------
7.304	DELTA-BHC	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
7.355	HEPTACHLOR	0.0267	0.00000	2.67	19154	12413	-0.171	-0.0126	7.367	10	------	--------
7.695	ALDRIN	0.0064	0.00000	0.64	6588	5617	-0.027	-0.0021	7.698	10	------	--------
8.099	ISODRIN	1.0000	5.0954e+05	100.00	790714	648255	-0.011	-0.0009	8.100	10	127.2	2.0e-04
8.278	HEPT. EPOXIDE	0.0010	0.00000	0.10	1051	541	-0.075	-0.0062	8.285	10	------	--------
8.482	G. CHLORDANE	0.0341	0.00000	3.41	34183	21626	-0.101	-0.0085	8.490	10	------	--------
8.655	A. CHLORDANE	0.0005	0.00000	0.05	516	346	-0.001	-0.0001	8.655	10	------	--------
8.717	ENDOSULFAN I	0.0005	0.00000	0.05	633	255	-0.049	-0.0043	8.722	10	------	--------
8.815	4,4'-DDE	0.0006	0.00000	0.06	810	334	-0.312	-0.0276	8.842	10	------	--------
9.066	DIELDRIN	0.0078	0.00000	0.78	6232	3920	0.213	0.0193	9.046	10	------	--------
9.392	Chlorobenzilat	0.0590	0.00000	5.90	3343	2389	-0.042	-0.0040	9.396	10	------	--------
9.432	ENDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.575	4,4'-DDD	0.0296	0.00000	2.96	16698	9587	0.059	0.0057	9.569	10	------	--------
9.717	ENDOSULFAN II	0.0009	0.00000	0.09	689	359	0.050	0.0049	9.712	10	------	--------
10.008	4,4'-DDT	0.0017	0.00000	0.17	891	452	0.026	0.0026	10.006	10	------	--------
10.174	ENDRIN ALDEHYD	0.0060	0.00000	0.60	2156	1750	-0.166	-0.0169	10.191	10	------	--------
10.599	ENDO. SULFATE	0.0034	0.00000	0.34	2440	1041	-0.121	-0.0128	10.612	10	------	--------
11.093	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.501	ENDRIN KETONE	0.0034	0.00000	0.34	2397	1074	-0.024	-0.0028	11.504	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1650571	718409	-0.020	-0.0025	12.424	10	------	--------
13.418	Y	2.0000	0.00000	200.00	1423271	582667	-0.022	-0.0029	13.421	10	------	--------
13.978	DCB	0.1938	0.20000	19.38	168996	59552	-0.016	-0.0022	13.980	10	3e+07	96.9
		5.6240			4334729	2e+06						177.0

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9021.TX0

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**117**	**(60 - 140)**			**SW846 8081A**
	105	**(60 - 140)**	**11**	**(0-45)**	**SW846 8081A**
alpha-BHC	130	(60 - 140)			SW846 8081A
	119	(60 - 140)	8.7	(0-48)	SW846 8081A
beta-BHC	130	(60 - 140)			SW846 8081A
	116	(60 - 140)	11	(0-47)	SW846 8081A
delta-BHC	138	(60 - 140)			SW846 8081A
	123	(60 - 140)	12	(0-45)	SW846 8081A
gamma-BHC (Lindane)	**136**	**(60 - 140)**			**SW846 8081A**
	122	**(60 - 140)**	**10**	**(0-44)**	**SW846 8081A**
alpha-Chlordane	122	(60 - 140)			SW846 8081A
	110	(60 - 140)	11	(0-47)	SW846 8081A
gamma-Chlordane	126	(60 - 140)			SW846 8081A
	115	(60 - 140)	9.9	(0-37)	SW846 8081A
4,4'-DDD	125	(60 - 140)			SW846 8081A
	114	(60 - 140)	9.4	(0-45)	SW846 8081A
4,4'-DDE	136	(60 - 140)			SW846 8081A
	121	(60 - 140)	12	(0-44)	SW846 8081A
4,4'-DDT	**125**	**(60 - 140)**			**SW846 8081A**
	112	**(60 - 140)**	**11**	**(0-45)**	**SW846 8081A**
Dieldrin	**126**	**(60 - 140)**			**SW846 8081A**
	114	**(60 - 140)**	**10**	**(0-43)**	**SW846 8081A**
Endosulfan I	126	(60 - 140)			SW846 8081A
	113	(60 - 140)	11	(0-44)	SW846 8081A
Endosulfan II	124	(60 - 140)			SW846 8081A
	114	(60 - 140)	9.1	(0-48)	SW846 8081A
Endosulfan sulfate	110	(60 - 140)			SW846 8081A
	98	(60 - 140)	12	(0-45)	SW846 8081A
Endrin	**125**	**(60 - 140)**			**SW846 8081A**
	117	**(60 - 140)**	**6.3**	**(0-49)**	**SW846 8081A**
Endrin aldehyde	100	(60 - 140)			SW846 8081A
	89	(60 - 140)	12	(0-49)	SW846 8081A
Endrin ketone	114	(60 - 140)			SW846 8081A
	103	(60 - 140)	10	(0-50)	SW846 8081A
Heptachlor	**122**	**(60 - 140)**			**SW846 8081A**
	110	**(60 - 140)**	**9.8**	**(0-45)**	**SW846 8081A**
Heptachlor epoxide	126	(60 - 140)			SW846 8081A
	114	(60 - 140)	10	(0-44)	SW846 8081A
Methoxychlor	138	(60 - 140)			SW846 8081A
	124	(60 - 140)	11	(0-48)	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(34 - 144)
	96	(34 - 144)
Decachlorobiphenyl	114	(30 - 126)
	103	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/19/06
Prep Batch #...: 6096186
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.586**	**ug**	**117**		**SW846 8081A**
	0.500	**0.527**	**ug**	**105**	**11**	**SW846 8081A**
alpha-BHC	0.500	0.651	ug	130		SW846 8081A
	0.500	0.597	ug	119	8.7	SW846 8081A
beta-BHC	0.500	0.648	ug	130		SW846 8081A
	0.500	0.581	ug	116	11	SW846 8081A
delta-BHC	0.500	0.692	ug	138		SW846 8081A
	0.500	0.614	ug	123	12	SW846 8081A
gamma-BHC (Lindane)	**0.500**	**0.680**	**ug**	**136**		**SW846 8081A**
	0.500	**0.612**	**ug**	**122**	**10**	**SW846 8081A**
alpha-Chlordane	0.500	0.612	ug	122		SW846 8081A
	0.500	0.548	ug	110	11	SW846 8081A
gamma-Chlordane	0.500	0.632	ug	126		SW846 8081A
	0.500	0.573	ug	115	9.9	SW846 8081A
4,4'-DDD	0.500	0.625	ug	125		SW846 8081A
	0.500	0.569	ug	114	9.4	SW846 8081A
4,4'-DDE	0.500	0.680	ug	136		SW846 8081A
	0.500	0.604	ug	121	12	SW846 8081A
4,4'-DDT	**0.500**	**0.623**	**ug**	**125**		**SW846 8081A**
	0.500	**0.558**	**ug**	**112**	**11**	**SW846 8081A**
Dieldrin	**0.500**	**0.628**	**ug**	**126**		**SW846 8081A**
	0.500	**0.568**	**ug**	**114**	**10**	**SW846 8081A**
Endosulfan I	0.500	0.632	ug	126		SW846 8081A
	0.500	0.566	ug	113	11	SW846 8081A
Endosulfan II	0.500	0.622	ug	124		SW846 8081A
	0.500	0.568	ug	114	9.1	SW846 8081A
Endosulfan sulfate	0.500	0.551	ug	110		SW846 8081A
	0.500	0.491	ug	98	12	SW846 8081A
Endrin	**0.500**	**0.623**	**ug**	**125**		**SW846 8081A**
	0.500	**0.585**	**ug**	**117**	**6.3**	**SW846 8081A**
Endrin aldehyde	0.500	0.499	ug	100		SW846 8081A
	0.500	0.444	ug	89	12	SW846 8081A
Endrin ketone	0.500	0.571	ug	114		SW846 8081A
	0.500	0.515	ug	103	10	SW846 8081A
Heptachlor	**0.500**	**0.609**	**ug**	**122**		**SW846 8081A**
	0.500	**0.552**	**ug**	**110**	**9.8**	**SW846 8081A**
Heptachlor epoxide	0.500	0.631	ug	126		SW846 8081A
	0.500	0.568	ug	114	10	SW846 8081A
Methoxychlor	0.500	0.690	ug	138		SW846 8081A
	0.500	0.620	ug	124	11	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PKR1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-186 H2PKR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(34 - 144)
	96	(34 - 144)
Decachlorobiphenyl	114	(30 - 126)
	103	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

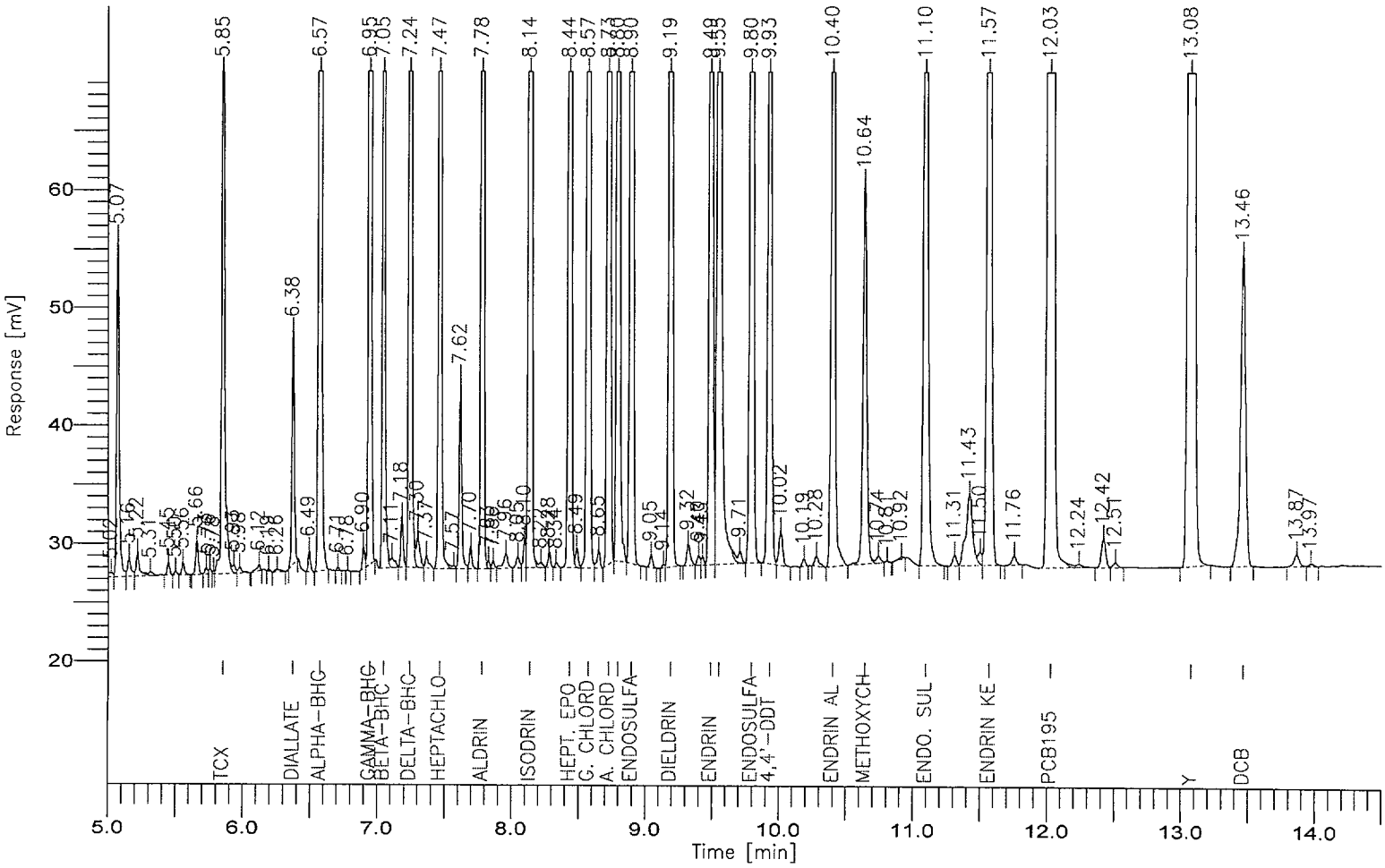
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2PKR1ACC Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 09:29 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9022.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9022.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9022.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.2395	0.20000	23.95	82683	60746	-0.038	-0.0022	5.855	10	3e+07	119.8
6.375	Diallate	1.7496	0.00000	174.96	24366	19761	-0.033	-0.0021	6.377	10	------	--------
6.574	ALPHA-BHC	0.6514	0.00000	65.14	306067	261339	-0.029	-0.0019	6.576	10	------	--------
6.945	GAMMA-BHC	0.6917	0.00000	69.17	251599	225435	-0.028	-0.0020	6.947	10	------	--------
7.047	BETA-BHC	0.6601	0.00000	66.01	107922	93948	-0.024	-0.0017	7.049	10	------	--------
7.244	DELTA-BHC	0.6917	0.00000	69.17	255572	225474	-0.026	-0.0019	7.246	10	------	--------
7.466	HEPTACHLOR	0.7991	0.00000	79.91	183092	153664	-0.020	-0.0015	7.468	10	------	--------
7.782	ALDRIN	0.6470	0.00000	64.70	267490	231387	-0.019	-0.0015	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	368850	291240	-0.023	-0.0018	8.140	10	97.4	3.3e-04
8.435	HEPT. EPOXIDE	0.6903	0.00000	69.03	227172	173511	-0.018	-0.0015	8.437	10	------	--------
8.574	G. CHLORDANE	0.6752	0.00000	67.52	241003	176475	-0.017	-0.0015	8.576	10	------	--------
8.726	A. CHLORDANE	0.6658	0.00000	66.58	240176	173388	-0.018	-0.0015	8.728	10	------	--------
8.797	4,4'-DDE	0.7354	0.00000	73.54	233620	168667	-0.026	-0.0022	8.799	10	------	--------
8.897	ENDOSULFAN I	0.6765	0.00000	67.65	216396	149472	-0.018	-0.0016	8.899	10	------	--------
9.190	DIELDRIN	0.7126	0.00000	71.26	231446	157151	-0.016	-0.0014	9.191	10	------	--------
9.492	ENDRIN	0.7615	0.00000	76.15	192253	122361	-0.020	-0.0019	9.494	10	------	--------
9.551	DDD & Chlorobe	3.0156	0.00000	301.56	226009	115915	-0.050	-0.0048	9.556	10	------	--------
9.796	ENDOSULFAN II	0.6888	0.00000	68.88	192849	117111	-0.018	-0.0018	9.798	10	------	--------
9.932	4,4'-DDT	0.8429	0.00000	84.29	134312	80323	-0.025	-0.0025	9.934	10	------	--------
10.404	ENDRIN ALDEHYD	0.5911	0.00000	59.11	128126	70131	-0.021	-0.0022	10.406	10	------	--------
10.642	METHOXYCHLOR	0.8174	0.00000	81.74	64631	32319	-0.024	-0.0025	10.645	10	------	--------
11.097	ENDO. SULFATE	0.6552	0.00000	65.52	157407	78394	-0.019	-0.0022	11.099	10	------	--------
11.569	ENDRIN KETONE	0.6789	0.00000	67.89	189458	92295	-0.031	-0.0036	11.573	10	------	--------
12.028	PCB195	2.0000	0.00000	200.00	730891	331263	-0.020	-0.0024	12.030	10	------	--------
13.076	Y	2.0000	0.00000	200.00	616761	257706	-0.037	-0.0048	13.081	10	------	--------
13.464	DCB	0.2280	0.20000	22.80	69327	26370	-0.027	-0.0037	13.468	10	1e+07	114.0
		23.5654			5939478	4e+06						233.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9022.TX0

ALDRIN Calc. Check = $\frac{(231387)(100ppb)}{291240(1.24024)}$ = 64.06 X 0.01 = 0.64 ug

% Recovery
- Diallate (back) = 115%
- chlorobenzilate (back) = $\frac{1.9130}{1.5}$ X100 = 127% R

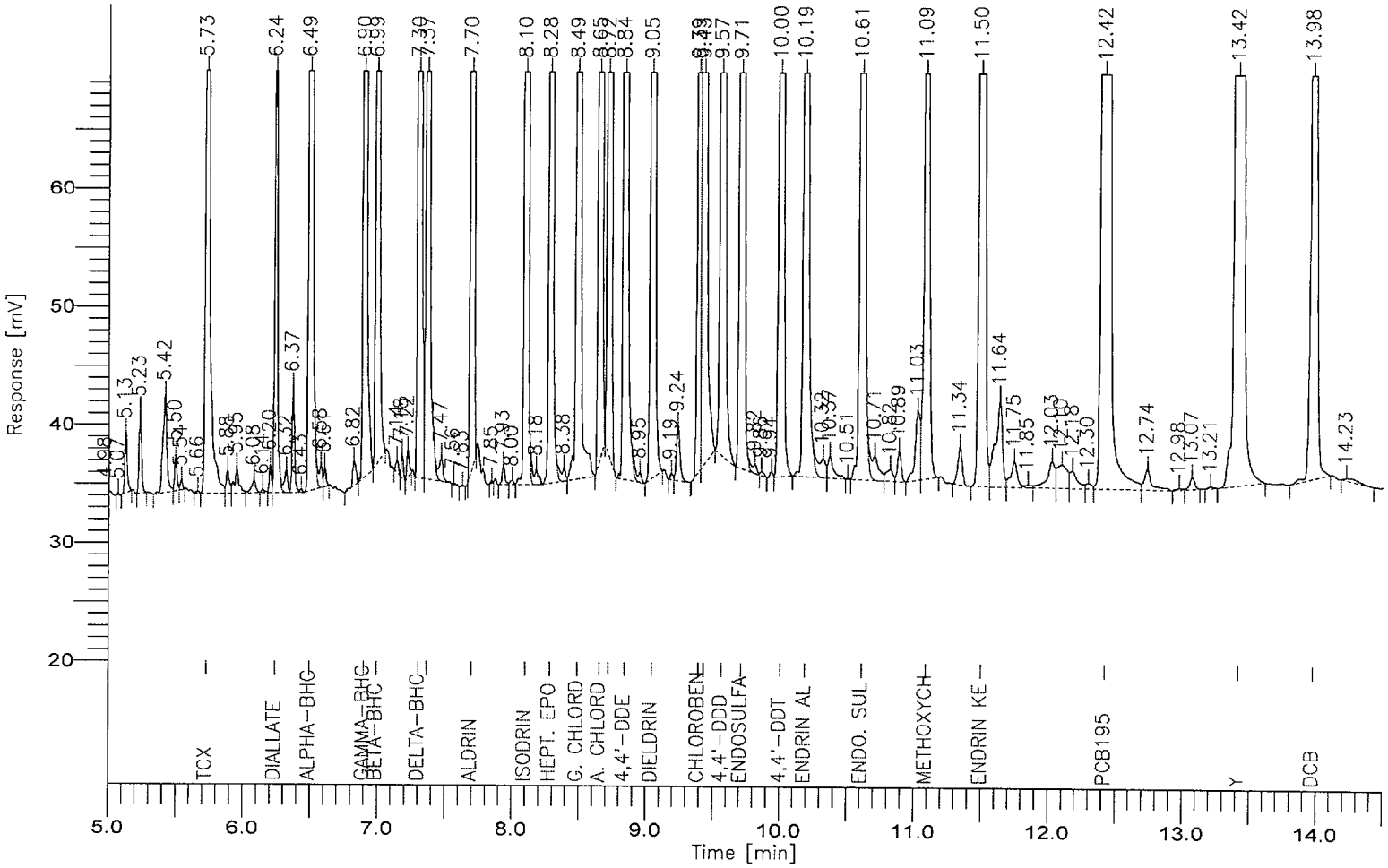
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:51 PM
Sample Number: H2PKR1ACC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 09:29 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9022.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9022.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9022.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.2063	0.20000	20.63	207717	151819	-0.036	-0.0020	5.729	10	8e+07	103.1
6.238	Diallate	1.7237	0.00000	172.37	60451	47420	-0.028	-0.0017	6.240	10	------	--------
6.494	ALPHA-BHC	0.6702	0.00000	67.02	596615	525711	-0.022	-0.0014	6.495	10	------	--------
6.897	GAMMA-BHC	0.6801	0.00000	68.01	480879	428579	-0.016	-0.0011	6.898	10	------	--------
6.991	BETA-BHC	0.6485	0.00000	64.85	233023	195042	-0.021	-0.0015	6.993	10	------	--------
7.303	DELTA-BHC	0.7051	0.00000	70.51	493658	436545	-0.017	-0.0012	7.304	10	------	--------
7.366	HEPTACHLOR	0.6092	0.00000	60.92	348823	289317	-0.020	-0.0014	7.367	10	------	--------
7.696	ALDRIN	0.5865	0.00000	58.65	590861	525794	-0.017	-0.0013	7.698	10	------	--------
8.100	ISODRIN	1.0000	5.0954e+05	100.00	808188	661278	-0.005	-0.0004	8.100	10	129.8	2.0e-04
8.284	HEPT. EPOXIDE	0.6308	0.00000	63.08	456728	360536	-0.011	-0.0009	8.285	10	------	--------
8.490	G. CHLORDANE	0.6324	0.00000	63.24	552766	408761	-0.007	-0.0006	8.490	10	------	--------
8.654	A. CHLORDANE	0.6115	0.00000	61.15	530591	404799	-0.013	-0.0011	8.655	10	------	--------
8.721	ENDOSULFAN I	0.6316	0.00000	63.16	461735	341123	-0.015	-0.0013	8.722	10	------	--------
8.840	4,4'-DDE	0.6800	0.00000	68.00	539939	380884	-0.022	-0.0020	8.842	10	------	--------
9.045	DIELDRIN	0.6279	0.00000	62.79	472917	320253	-0.012	-0.0011	9.046	10	------	--------
9.393	Chlorobenzilat	1.9130	0.00000	191.30	110762	71096	-0.029	-0.0027	9.396	10	------	--------
9.431	ENDRIN	0.6228	0.00000	62.28	401135	240683	-0.004	-0.0003	9.432	10	------	--------
9.566	4,4'-DDD	0.6254	0.00000	62.54	351516	206587	-0.031	-0.0030	9.569	10	------	--------
9.712	ENDOSULFAN II	0.6216	0.00000	62.16	411923	252483	-0.002	-0.0002	9.712	10	------	--------
10.004	4,4'-DDT	0.6231	0.00000	62.31	294293	169199	-0.015	-0.0015	10.006	10	------	--------
10.190	ENDRIN ALDEHYD	0.4993	0.00000	49.93	280756	148408	-0.010	-0.0010	10.191	10	------	--------
10.611	ENDO. SULFATE	0.5508	0.00000	55.08	325906	170319	-0.008	-0.0009	10.612	10	------	--------
11.091	METHOXYCHLOR	0.6898	0.00000	68.98	158197	73494	-0.018	-0.0020	11.093	10	------	--------
11.503	ENDRIN KETONE	0.5710	0.00000	57.10	384255	186619	-0.010	-0.0012	11.504	10	------	--------
12.423	PCB195	2.0000	0.00000	200.00	1655726	726309	-0.010	-0.0012	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1419150	574374	-0.016	-0.0022	13.421	10	------	--------
13.977	DCB	0.2298	0.20000	22.98	184358	70147	-0.019	-0.0026	13.980	10	4e+07	114.9
		21.5901			12812869	8e+06						218.0

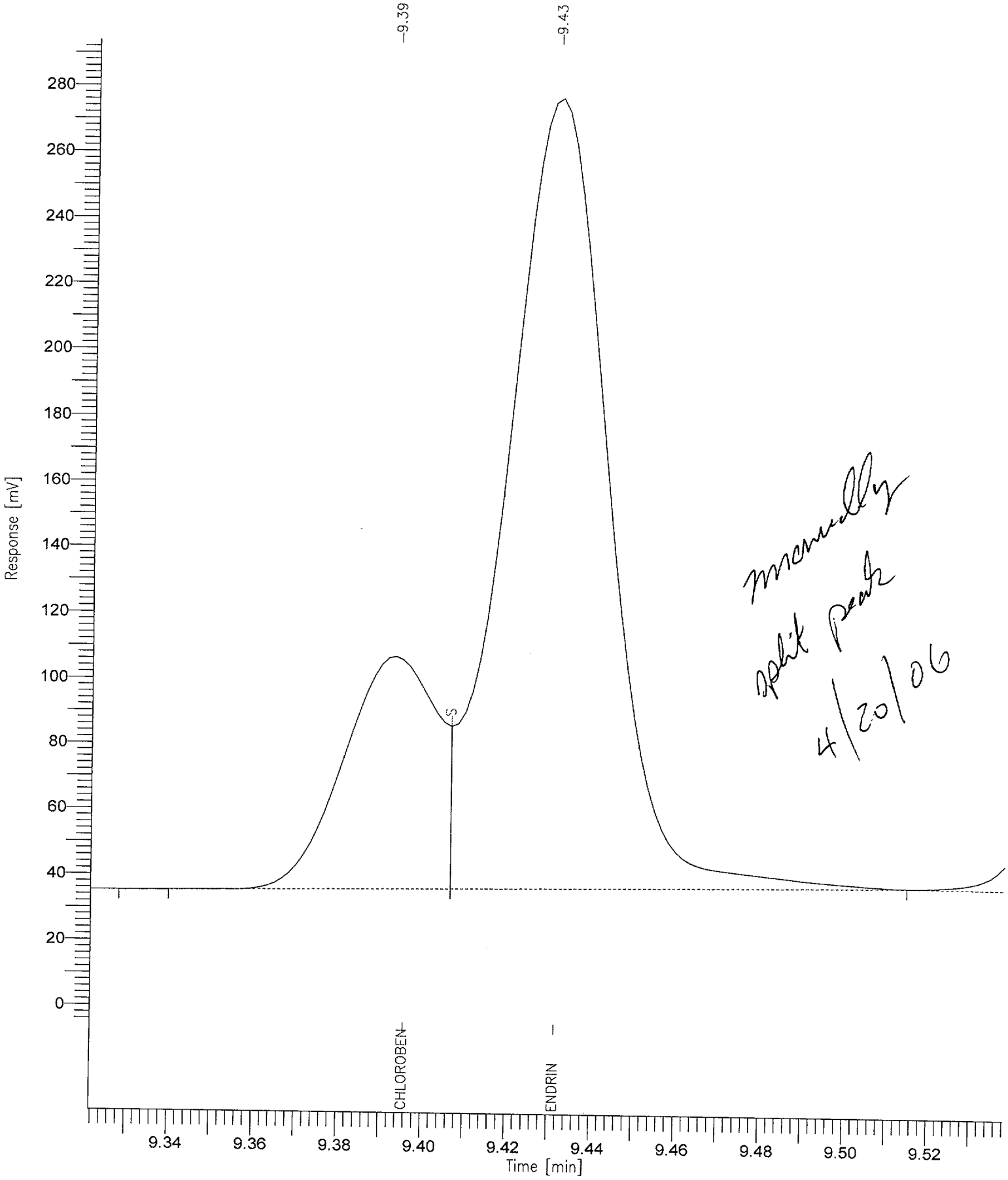
Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9022.TX0

manually integrated
4/20/06

Chromatogram

Sample Name : 6096186
FileName : K:\#GST\#SEQ\D19S6W\S#B9022.RAW
Method :
Start Time : 9.32 min End Time : 9.54 min
Scale Factor: 0.0 Plot Offset: -5 mV

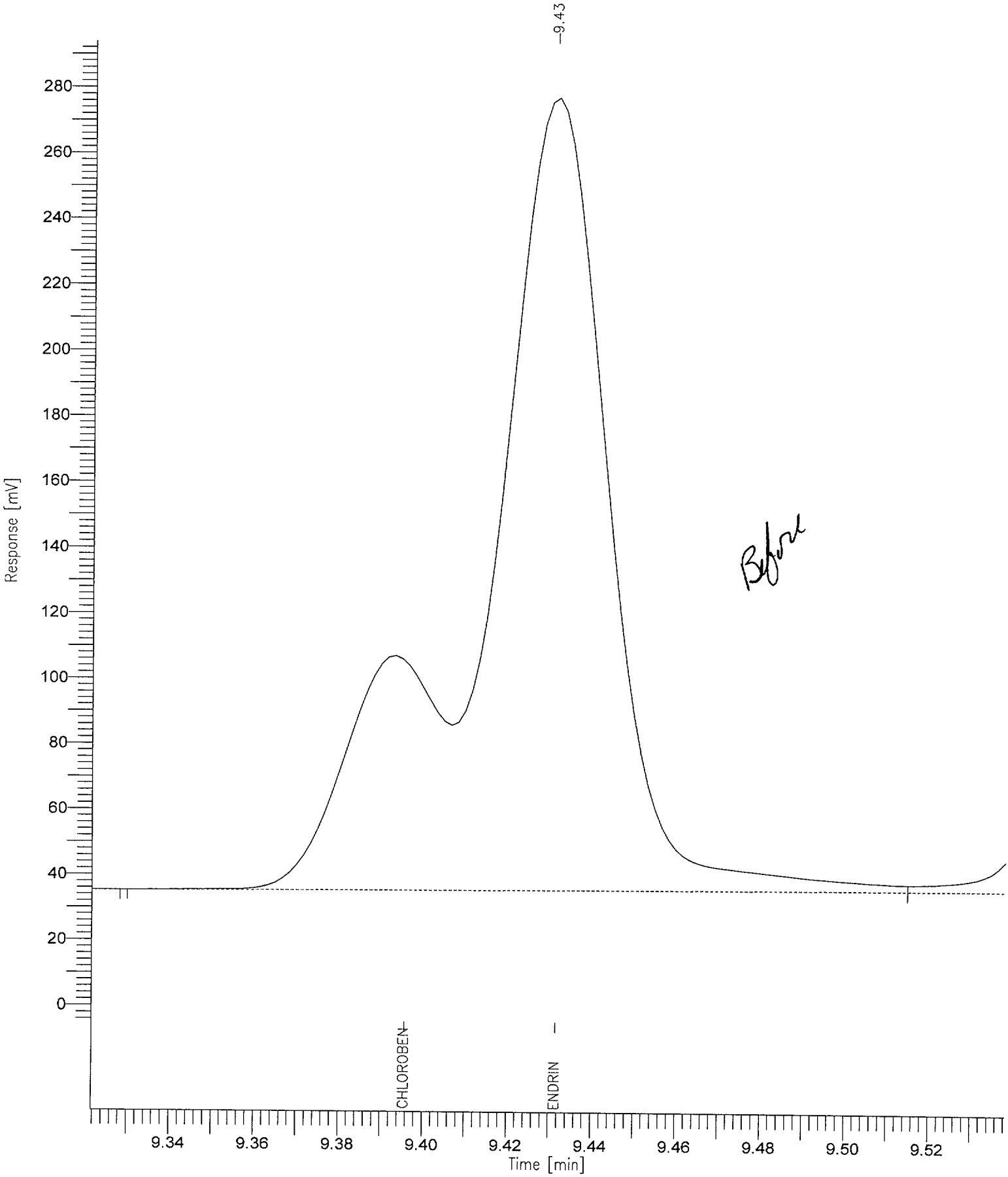
Sample #: H2PKR1ACC
Date : 4/20/2006 03:50 PM
Time of Injection: 4/19/2006 09:29 PM
Low Point : -4.57 mV High Point : 293.77 mV
Plot Scale: 298.3 mV



Chromatogram

Sample Name : 6096186
FileName : K:\#GST\#SEQ\D19S6W\S#B9022.RAW
Method :
Start Time : 9.32 min End Time : 9.54 min
Scale Factor: 0.0 Plot Offset: -5 mV

Sample #: H2PKR1ACC Page 1 of 1
Date : 4/20/2006 03:50 PM
Time of Injection: 4/19/2006 09:29 PM
Low Point : -4.57 mV High Point : 293.77 mV
Plot Scale: 298.3 mV



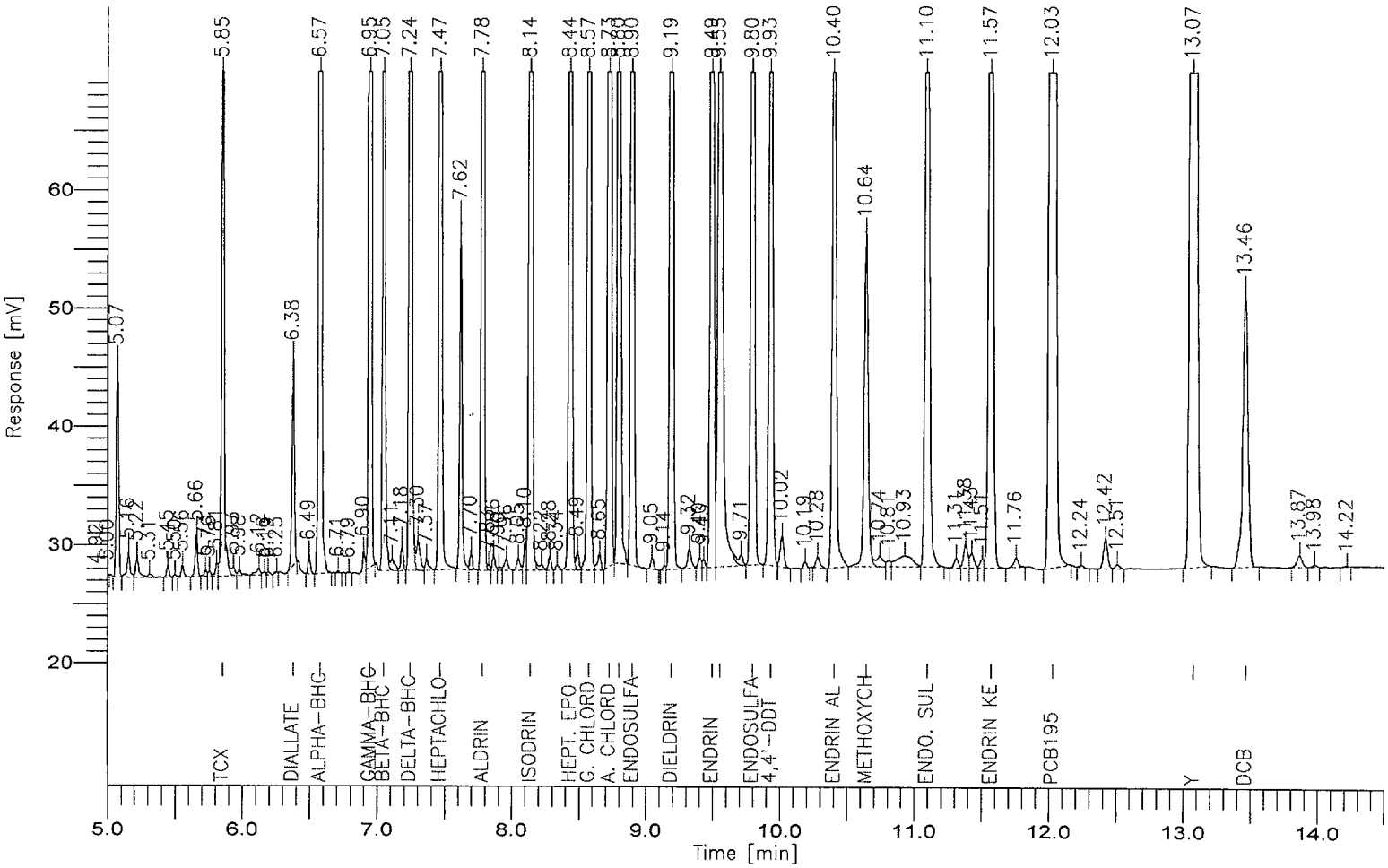
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:00 PM
Sample Number: H2PKR1ADL Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 09:48 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9023.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9023.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9023.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D19S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.852	TCX	0.2232	0.20000	22.32	68367	55551	-0.045	-0.0027	5.855	10	3e+07	111.6
6.375	Diallate	1.5606	0.00000	156.06	21412	17809	-0.038	-0.0024	6.377	10	------	--------
6.574	ALPHA-BHC	0.5971	0.00000	59.71	269691	235051	-0.037	-0.0024	6.576	10	------	--------
6.945	GAMMA-BHC	0.6241	0.00000	62.41	219415	199562	-0.032	-0.0022	6.947	10	------	--------
7.047	BETA-BHC	0.5889	0.00000	58.89	94414	82234	-0.029	-0.0021	7.049	10	------	--------
7.243	DELTA-BHC	0.6143	0.00000	61.43	221956	196487	-0.033	-0.0024	7.246	10	------	--------
7.466	HEPTACHLOR	0.7120	0.00000	71.20	161065	134344	-0.026	-0.0019	7.468	10	------	--------
7.781	ALDRIN	0.5725	0.00000	57.25	235190	200894	-0.021	-0.0017	7.783	10	------	--------
8.138	ISODRIN	1.0000	2.9914e+05	100.00	363388	285760	-0.023	-0.0019	8.140	10	95.5	3.3e-04
8.435	HEPT. EPOXIDE	0.6212	0.00000	62.12	199824	153209	-0.018	-0.0015	8.437	10	------	--------
8.574	G. CHLORDANE	0.6139	0.00000	61.39	212290	157419	-0.020	-0.0017	8.576	10	------	--------
8.726	A. CHLORDANE	0.5934	0.00000	59.34	211084	151620	-0.016	-0.0014	8.728	10	------	--------
8.797	4,4'-DDE	0.6656	0.00000	66.56	205991	149791	-0.028	-0.0024	8.799	10	------	--------
8.897	ENDOSULFAN I	0.6161	0.00000	61.61	190372	133571	-0.020	-0.0018	8.899	10	------	--------
9.189	DIELDRIN	0.6293	0.00000	62.93	203846	136155	-0.021	-0.0019	9.191	10	------	--------
9.493	ENDRIN	0.6794	0.00000	67.94	168509	107109	-0.016	-0.0015	9.494	10	------	--------
9.551	DDD & Chlorobe	2.7343	0.00000	273.43	198964	102256	-0.056	-0.0053	9.556	10	------	--------
9.796	ENDOSULFAN II	0.6117	0.00000	61.17	168939	102040	-0.025	-0.0025	9.798	10	------	--------
9.931	4,4'-DDT	0.7292	0.00000	72.92	116966	68181	-0.033	-0.0033	9.934	10	------	--------
10.403	ENDRIN ALDEHYD	0.5087	0.00000	50.87	109215	59224	-0.028	-0.0029	10.406	10	------	--------
10.641	METHOXYCHLOR	0.7312	0.00000	73.12	58676	28368	-0.034	-0.0037	10.645	10	------	--------
11.096	ENDO. SULFATE	0.5869	0.00000	58.69	136270	68904	-0.023	-0.0025	11.099	10	------	--------
11.569	ENDRIN KETONE	0.5976	0.00000	59.76	165077	79713	-0.030	-0.0035	11.573	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	723579	330150	-0.030	-0.0036	12.030	10	------	--------
13.074	Y	2.0000	0.00000	200.00	616496	257395	-0.050	-0.0065	13.081	10	------	--------
13.464	DCB	0.2063	0.20000	20.63	62294	23415	-0.032	-0.0043	13.468	10	1e+07	103.2
		21.6176			5403290	4e+06						214.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9023.TX0

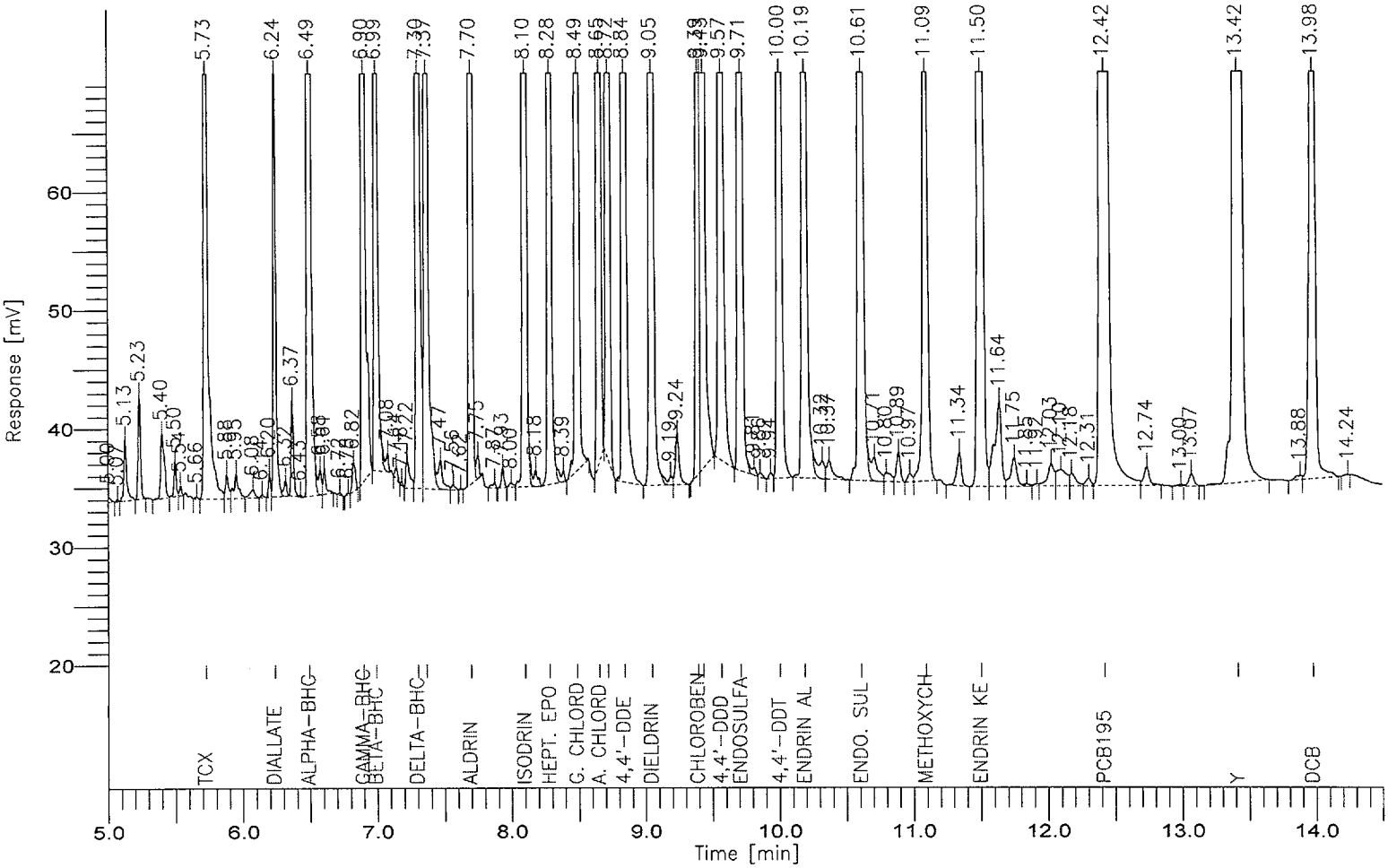
Software Version: 4.1<2F12>
Sample Name : 6096186 Time : 4/20/2006 03:52 PM
Sample Number: H2PKR1ADL Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/19/2006 09:48 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9023.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9023.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9023.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D19T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.726	TCX	0.1919	0.20000	19.19	182754	139203	-0.042	-0.0024	5.729	10	7e+07	95.9
6.238	Diallate	1.5779	0.00000	157.79	54363	42691	-0.033	-0.0021	6.240	10	------	--------
6.494	ALPHA-BHC	0.6079	0.00000	60.79	526094	469957	-0.025	-0.0016	6.495	10	------	--------
6.897	GAMMA-BHC	0.6125	0.00000	61.25	426084	380456	-0.021	-0.0014	6.898	10	------	--------
6.991	BETA-BHC	0.5811	0.00000	58.11	203488	172239	-0.021	-0.0015	6.993	10	------	--------
7.302	DELTA-BHC	0.6249	0.00000	62.49	434700	381321	-0.024	-0.0017	7.304	10	------	--------
7.366	HEPTACHLOR	0.5520	0.00000	55.20	309921	258373	-0.025	-0.0018	7.367	10	------	--------
7.696	ALDRIN	0.5266	0.00000	52.66	527870	465304	-0.018	-0.0014	7.698	10	------	--------
8.099	ISODRIN	1.0000	5.0954e+05	100.00	793942	651753	-0.013	-0.0010	8.100	10	127.9	2.0e-04
8.284	HEPT. EPOXIDE	0.5681	0.00000	56.81	404827	320028	-0.008	-0.0007	8.285	10	------	--------
8.490	G. CHLORDANE	0.5727	0.00000	57.27	489970	364866	-0.009	-0.0008	8.490	10	------	--------
8.654	A. CHLORDANE	0.5484	0.00000	54.84	470999	357761	-0.015	-0.0013	8.655	10	------	--------
8.721	ENDOSULFAN I	0.5657	0.00000	56.57	409265	301108	-0.014	-0.0012	8.722	10	------	--------
8.840	4,4'-DDE	0.6044	0.00000	60.44	481004	333677	-0.020	-0.0018	8.842	10	------	--------
9.046	DIELDRIN	0.5677	0.00000	56.77	426073	285362	-0.006	-0.0006	9.046	10	------	--------
9.394	Chlorobenzilat	1.7882	0.00000	178.82	101711	63722	-0.022	-0.0020	9.396	10	------	--------
9.431	ENDRIN	0.5823	0.00000	58.23	352701	221798	-0.001	-0.0001	9.432	10	------	--------
9.566	4,4'-DDD	0.5692	0.00000	56.92	313239	185331	-0.037	-0.0035	9.569	10	------	--------
9.712	ENDOSULFAN II	0.5677	0.00000	56.77	366151	227281	-0.004	-0.0004	9.712	10	------	--------
10.004	4,4'-DDT	0.5580	0.00000	55.80	259682	149342	-0.018	-0.0018	10.006	10	------	--------
10.189	ENDRIN ALDEHYD	0.4439	0.00000	44.39	245783	130050	-0.014	-0.0014	10.191	10	------	--------
10.611	ENDO. SULFATE	0.4908	0.00000	49.08	288195	149597	-0.011	-0.0012	10.612	10	------	--------
11.091	METHOXYCHLOR	0.6202	0.00000	62.02	139972	65526	-0.019	-0.0021	11.093	10	------	--------
11.502	ENDRIN KETONE	0.5150	0.00000	51.50	340280	165876	-0.018	-0.0021	11.504	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1643574	723850	-0.020	-0.0025	12.424	10	------	--------
13.417	Y	2.0000	0.00000	200.00	1421233	581710	-0.025	-0.0033	13.421	10	------	--------
13.977	DCB	0.2094	0.20000	20.94	168612	63887	-0.017	-0.0024	13.980	10	3e+07	104.7
		20.0464			11782483	8e+06						200.6

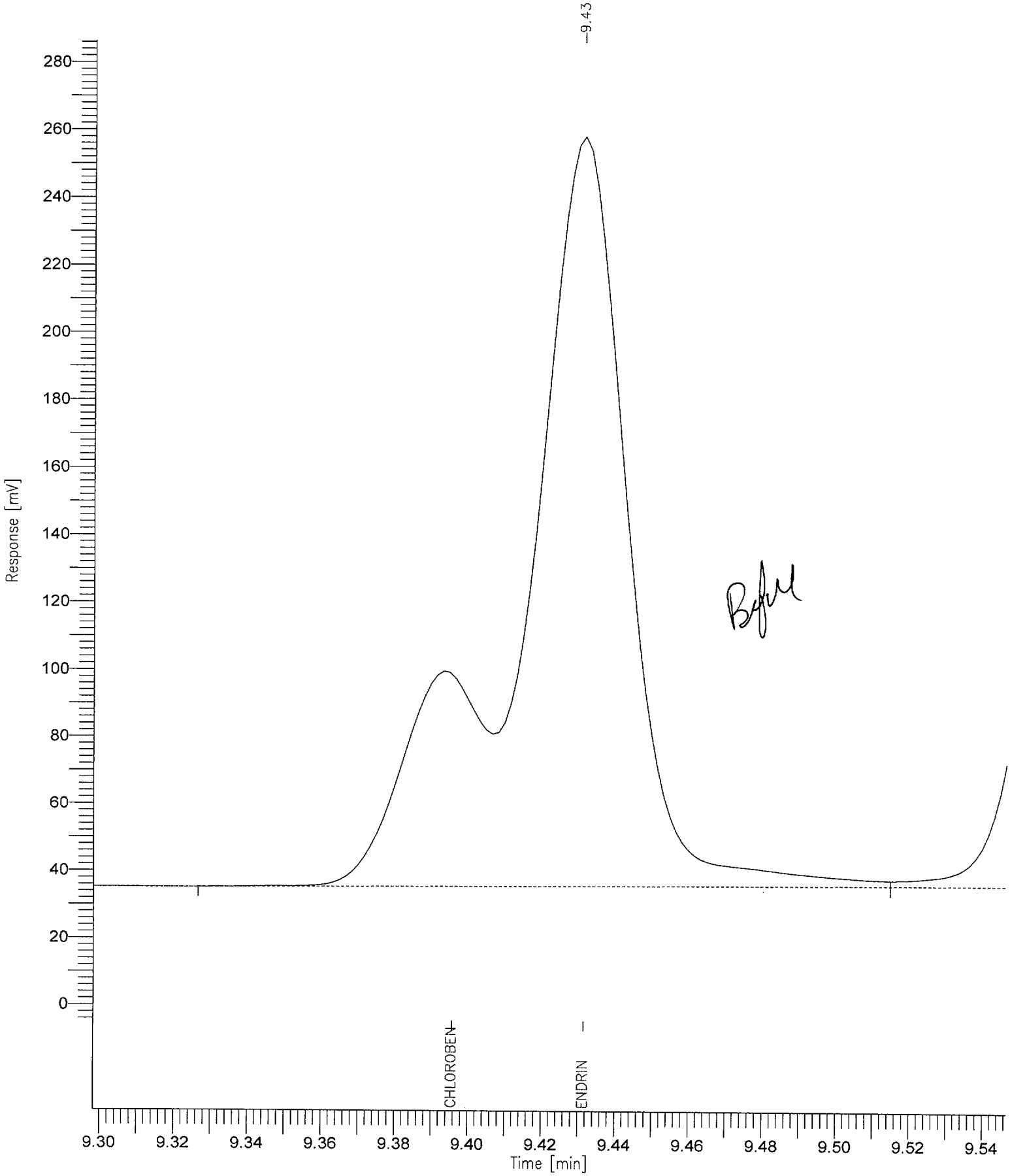
Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9023.TX0

manually integrated
h 4/20/06

Chromatogram

Sample Name : 6096186
FileName : K:\#GST\#SEQ\D19S6W\S#B9023.RAW
Method :
Start Time : 9.30 min End Time : 9.55 min
Scale Factor: 0.0 Plot Offset: -5 mV

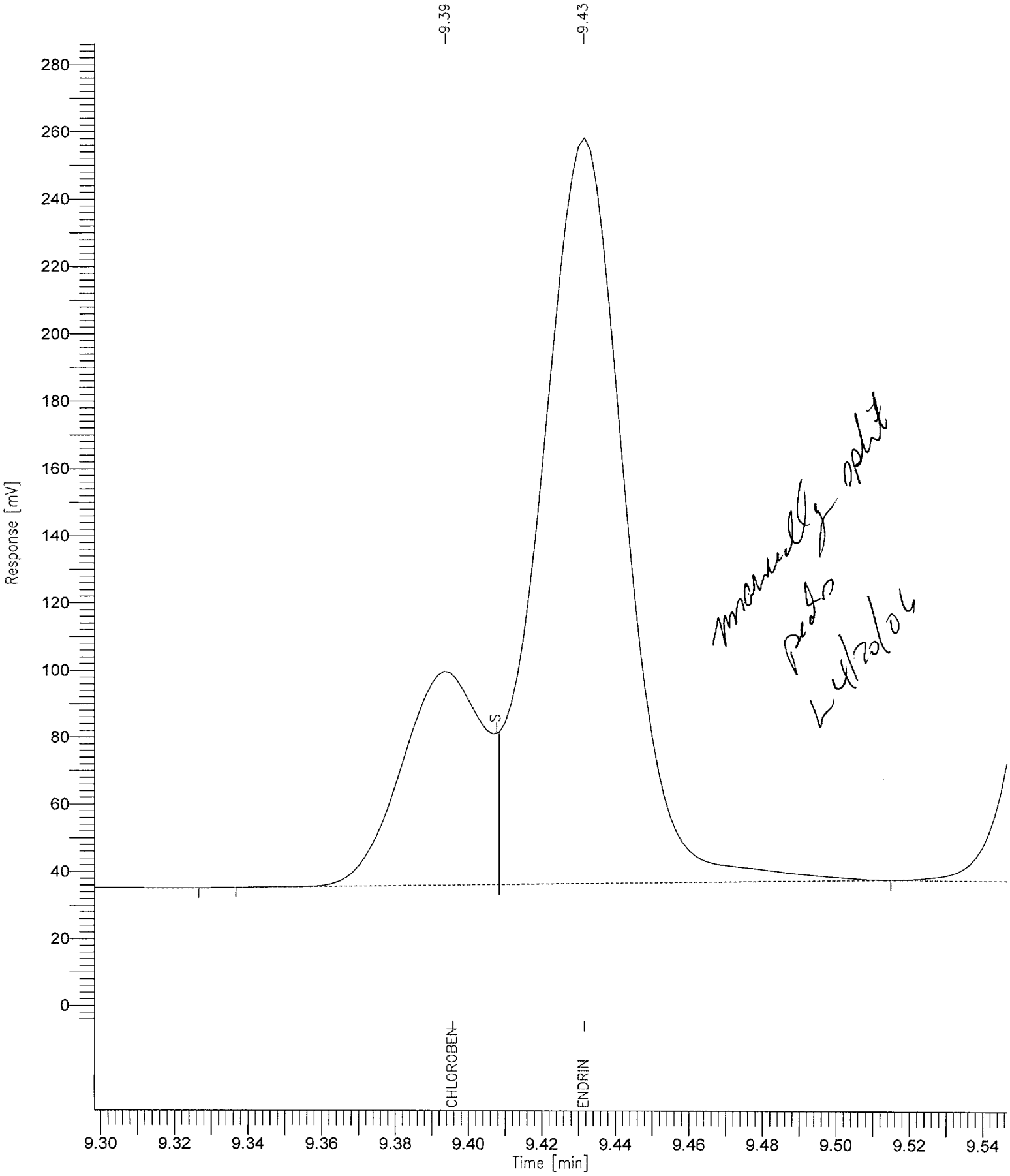
Sample #: H2PKR1ADL Page 1 of 1
Date : 4/20/2006 03:51 PM
Time of Injection: 4/19/2006 09:48 PM
Low Point : -4.55 mV High Point : 286.22 mV
Plot Scale: 290.8 mV



Chromatogram

Sample Name : 6096186
FileName : K:\#GST\#SEQ\D19S6W\S#B9023.RAW
Method :
Start Time : 9.30 min End Time : 9.55 min
Scale Factor: 0.0 Plot Offset: -5 mV

Sample #: H2PKR1ADL Page 1 of 1
Date : 4/20/2006 03:51 PM
Time of Injection: 4/19/2006 09:48 PM
Low Point : -4.55 mV High Point : 286.22 mV
Plot Scale: 290.8 mV



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AA **Matrix.....:** AIR
MB Lot-Sample #: H6D060000-188

Prep Date.....: 04/06/06
Analysis Date..: 04/21/06 **Prep Batch #...:** 6096188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug	SW846 8081A
alpha-BHC	ND	0.10	ug	SW846 8081A
beta-BHC	ND	0.20	ug	SW846 8081A
delta-BHC	ND	0.10	ug	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug	SW846 8081A
alpha-Chlordane	ND	0.050	ug	SW846 8081A
gamma-Chlordane	ND	0.30	ug	SW846 8081A
Chlorobenzilate	ND	0.40	ug	SW846 8081A
4,4'-DDD	ND	0.30	ug	SW846 8081A
4,4'-DDE	ND	0.20	ug	SW846 8081A
4,4'-DDT	ND	0.10	ug	SW846 8081A
Diallate	ND	30	ug	SW846 8081A
Dieldrin	ND	0.050	ug	SW846 8081A
Endosulfan I	ND	0.10	ug	SW846 8081A
Endosulfan II	ND	0.10	ug	SW846 8081A
Endosulfan sulfate	ND	0.050	ug	SW846 8081A
Endrin	ND	0.40	ug	SW846 8081A
Endrin aldehyde	ND	0.10	ug	SW846 8081A
Endrin ketone	ND	0.050	ug	SW846 8081A
Heptachlor	ND	0.050	ug	SW846 8081A
Heptachlor epoxide	ND	0.050	ug	SW846 8081A
Methoxychlor	ND	0.40	ug	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(34 - 144)
Decachlorobiphenyl	100	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Software Version: 4.1<2F12>
Sample Name : 6096188
Sample Number: H2PK81AAB
Operator : Analyst

Time : 4/22/2006 10:27 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

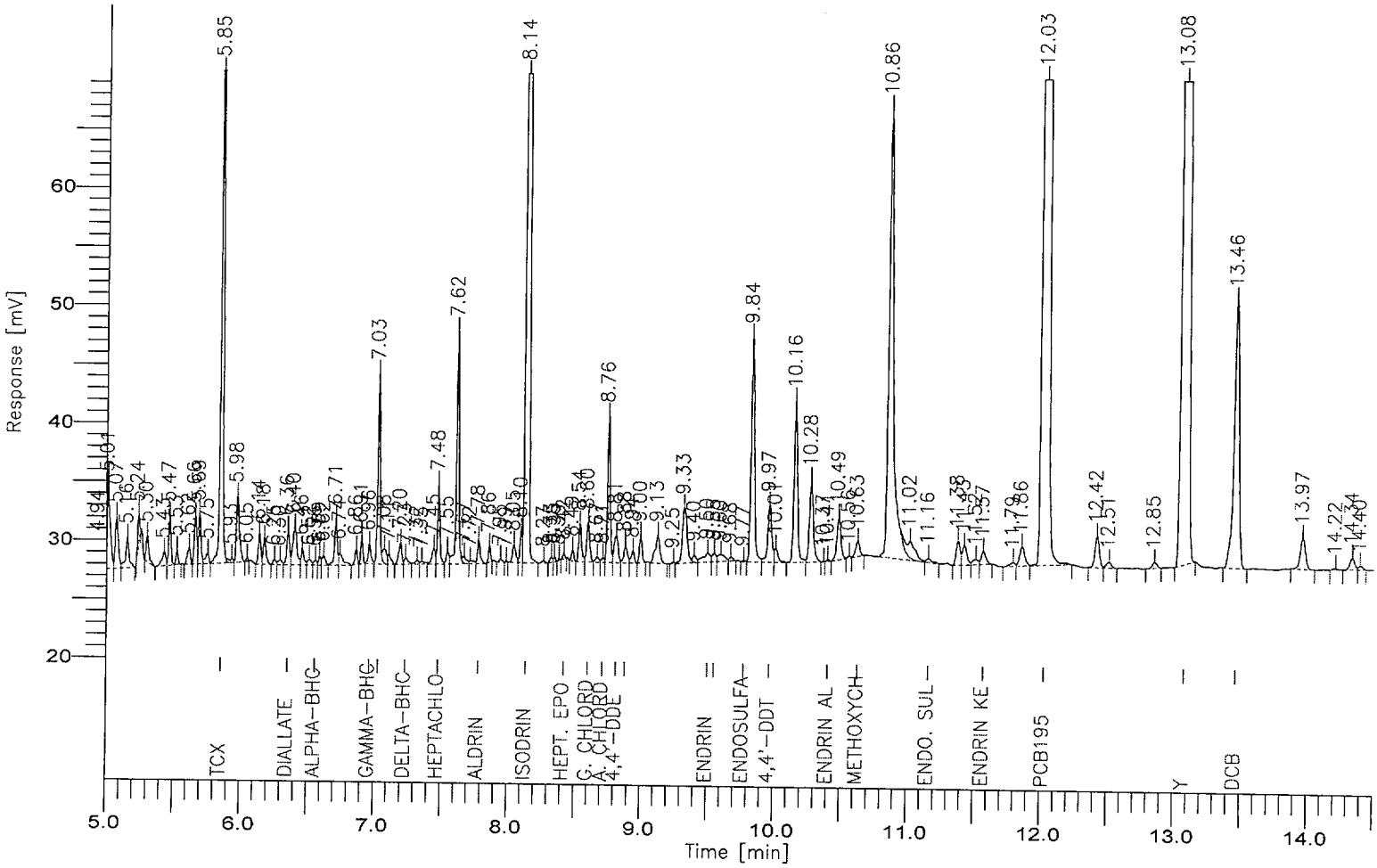
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 07:25 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9042.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9042.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9042.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.1857	0.20000	18.57	63562	50956	-0.015	-0.0009	5.853	10	3e+07	92.9
6.355	Diallate	0.2959	0.00000	29.59	4428	2987	-0.329	-0.0210	6.376	10	------	--------
6.560	ALPHA-BHC	0.0009	0.00000	0.09	605	394	-0.217	-0.0143	6.574	10	------	--------
6.963	GAMMA-BHC	0.0044	0.00000	0.44	2419	1643	0.257	0.0178	6.946	10	------	--------
7.030	BETA-BHC	0.1019	0.00000	10.19	19286	16215	-0.249	-0.0176	7.048	10	------	--------
7.233	DELTA-BHC	0.0015	0.00000	0.15	1048	554	-0.156	-0.0113	7.244	10	------	--------
7.480	HEPTACHLOR	0.0288	0.00000	2.88	8223	6751	0.178	0.0133	7.467	10	------	--------
7.781	ALDRIN	0.0053	0.00000	0.53	2826	2051	-0.006	-0.0004	7.782	10	------	--------
8.138	ISODRIN	1.0000	3.0422e+05	100.00	389931	312007	-0.011	-0.0009	8.139	10	102.6	3.3e-04
8.421	HEPT. EPOXIDE	0.0017	0.00000	0.17	510	463	-0.175	-0.0148	8.436	10	------	--------
8.601	G. CHLORDANE	0.0116	0.00000	1.16	5362	3334	0.316	0.0271	8.574	10	------	--------
8.713	A. CHLORDANE	0.0014	0.00000	0.14	572	395	-0.153	-0.0133	8.726	10	------	--------
8.814	4,4'-DDE	0.0094	0.00000	0.94	4878	2268	0.176	0.0154	8.798	10	------	--------
8.883	ENDOSULFAN I	0.0060	0.00000	0.60	2797	1467	-0.156	-0.0139	8.897	10	------	--------
9.190	DIELDRIN	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.502	ENDRIN	0.0047	0.00000	0.47	3135	787	0.096	0.0091	9.492	10	------	--------
9.551	DDD & Chlorobe	0.2747	0.00000	27.47	1433	701	-0.042	-0.0040	9.555	10	------	--------
9.773	ENDOSULFAN II	0.0007	0.00000	0.07	168	120	-0.247	-0.0242	9.797	10	------	--------
9.967	4,4'-DDT	0.0444	0.00000	4.44	9926	4821	0.354	0.0352	9.932	10	------	--------
10.405	ENDRIN ALDEHYD	0.0011	0.00000	0.11	217	152	0.014	0.0014	10.404	10	------	--------
10.628	METHOXYCHLOR	0.0306	0.00000	3.06	2775	1302	-0.151	-0.0161	10.644	10	------	--------
11.159	ENDO. SULFATE	0.0027	0.00000	0.27	1008	346	0.553	0.0614	11.097	10	------	--------
11.571	ENDRIN KETONE	0.0074	0.00000	0.74	2761	1118	0.004	0.0004	11.571	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	744762	341502	-0.018	-0.0022	12.029	10	------	--------
13.075	Y	2.0000	0.00000	200.00	629803	267158	-0.020	-0.0026	13.078	10	------	--------
13.464	DCB	0.1999	0.20000	19.99	60589	22727	-0.016	-0.0022	13.466	10	1e+07	99.9
		6.2207			1963024	1e+06						192.8

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9042.TX0

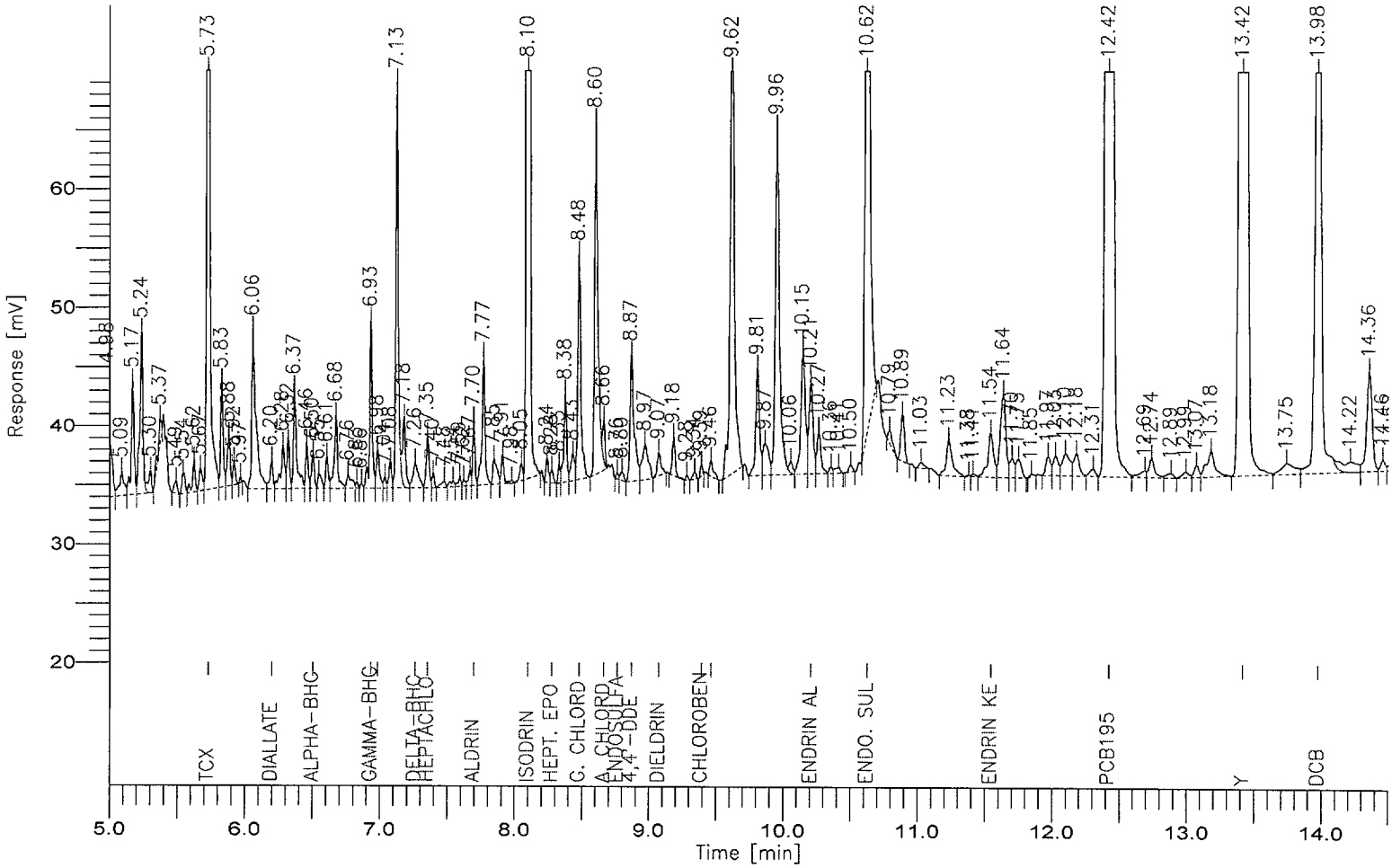
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2PK81AAB Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 07:25 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9042.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#B9042.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#B9042.RS
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1672	0.20000	16.72	149073	118522	-0.012	-0.0007	5.727	10	6e+07	83.6
6.197	Diallate	0.1063	0.00000	10.63	3758	2406	-0.667	-0.0416	6.239	10	------	--------
6.503	ALPHA-BHC	0.0037	0.00000	0.37	4335	3055	0.130	0.0084	6.495	10	------	--------
6.933	GAMMA-BHC	0.0209	0.00000	2.09	19362	14228	0.505	0.0348	6.898	10	------	--------
6.983	BETA-BHC	0.0104	0.00000	1.04	5516	3285	-0.131	-0.0091	6.992	10	------	--------
7.261	DELTA-BHC	0.0033	0.00000	0.33	6249	2174	-0.579	-0.0423	7.303	10	------	--------
7.353	HEPTACHLOR	0.0088	0.00000	0.88	6499	4362	-0.176	-0.0130	7.366	10	------	--------
7.696	ALDRIN	0.0061	0.00000	0.61	6473	5572	-0.011	-0.0009	7.696	10	------	--------
8.099	ISODRIN	1.0000	5.1802e+05	100.00	816309	672673	-0.002	-0.0001	8.099	10	129.9	1.9e-04
8.277	HEPT. EPOXIDE	0.0020	0.00000	0.20	1629	1160	-0.087	-0.0072	8.284	10	------	--------
8.480	G. CHLORDANE	0.0287	0.00000	2.87	31763	19023	-0.118	-0.0100	8.490	10	------	--------
8.664	A. CHLORDANE	0.0051	0.00000	0.51	4280	3456	0.116	0.0100	8.654	10	------	--------
8.763	ENDOSULFAN I	0.0009	0.00000	0.09	678	504	0.490	0.0427	8.721	10	------	--------
8.870	4,4'-DDE	0.0194	0.00000	1.94	22626	10692	0.322	0.0285	8.842	10	------	--------
9.074	DIELDRIN	0.0038	0.00000	0.38	3884	1959	0.315	0.0285	9.046	10	------	--------
9.392	Chlorobenzilat	0.0208	0.00000	2.08	1124	960	-0.039	-0.0037	9.395	10	------	--------
9.463	ENDRIN	0.0034	0.00000	0.34	2562	1292	0.342	0.0322	9.431	10	------	--------
9.569	4,4'-DDD	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
9.712	ENDOSULFAN II	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
10.005	4,4'-DDT	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
10.208	ENDRIN ALDEHYD	0.0244	0.00000	2.44	16848	7654	0.170	0.0174	10.190	10	------	--------
10.624	ENDO. SULFATE	0.2071	0.00000	20.71	141207	64704	0.116	0.0124	10.612	10	------	--------
11.094	METHOXYCHLOR	0.0000	----------	0.00	0	0	------	-------	------	10	------	--------
11.544	ENDRIN KETONE	0.0112	0.00000	1.12	11475	3726	0.354	0.0407	11.503	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1637653	733408	-0.018	-0.0022	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1420596	580227	-0.014	-0.0018	13.421	10	------	--------
13.977	DCB	0.2106	0.20000	21.06	168176	60853	-0.005	-0.0007	13.978	10	3e+07	105.3
		5.8640			4482075	2e+06						188.9

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#B9042.TX0

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**88**	**(60 - 140)**			**SW846 8081A**
	100	**(60 - 140)**	**13**	**(0-45)**	**SW846 8081A**
alpha-BHC	97	(60 - 140)			SW846 8081A
	107	(60 - 140)	9.9	(0-48)	SW846 8081A
beta-BHC	98	(60 - 140)			SW846 8081A
	109	(60 - 140)	11	(0-47)	SW846 8081A
delta-BHC	102	(60 - 140)			SW846 8081A
	114	(60 - 140)	11	(0-45)	SW846 8081A
gamma-BHC (Lindane)	**99**	**(60 - 140)**			**SW846 8081A**
	111	**(60 - 140)**	**11**	**(0-44)**	**SW846 8081A**
alpha-Chlordane	94	(60 - 140)			SW846 8081A
	103	(60 - 140)	9.2	(0-47)	SW846 8081A
gamma-Chlordane	98	(60 - 140)			SW846 8081A
	110	(60 - 140)	11	(0-37)	SW846 8081A
4,4'-DDD	108	(60 - 140)			SW846 8081A
	121	(60 - 140)	12	(0-45)	SW846 8081A
4,4'-DDE	108	(60 - 140)			SW846 8081A
	122	(60 - 140)	12	(0-44)	SW846 8081A
4,4'-DDT	**108**	**(60 - 140)**			**SW846 8081A**
	125	**(60 - 140)**	**15**	**(0-45)**	**SW846 8081A**
Dieldrin	**98**	**(60 - 140)**			**SW846 8081A**
	110	**(60 - 140)**	**11**	**(0-43)**	**SW846 8081A**
Endosulfan I	98	(60 - 140)			SW846 8081A
	108	(60 - 140)	9.2	(0-44)	SW846 8081A
Endosulfan II	96	(60 - 140)			SW846 8081A
	107	(60 - 140)	11	(0-48)	SW846 8081A
Endosulfan sulfate	97	(60 - 140)			SW846 8081A
	110	(60 - 140)	12	(0-45)	SW846 8081A
Endrin	**104**	**(60 - 140)**			**SW846 8081A**
	118	**(60 - 140)**	**12**	**(0-49)**	**SW846 8081A**
Endrin aldehyde	78	(60 - 140)			SW846 8081A
	86	(60 - 140)	10	(0-49)	SW846 8081A
Endrin ketone	89	(60 - 140)			SW846 8081A
	99	(60 - 140)	11	(0-50)	SW846 8081A
Heptachlor	**96**	**(60 - 140)**			**SW846 8081A**
	113	**(60 - 140)**	**16**	**(0-45)**	**SW846 8081A**
Heptachlor epoxide	98	(60 - 140)			SW846 8081A
	109	(60 - 140)	10	(0-44)	SW846 8081A
Methoxychlor	101	(60 - 140)			SW846 8081A
	116	(60 - 140)	14	(0-48)	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(34 - 144)
	90	(34 - 144)
Decachlorobiphenyl	96	(30 - 126)
	108	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD
Prep Date.....: 04/06/06 **Analysis Date..:** 04/21/06
Prep Batch #...: 6096188
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.442**	**ug**	**88**		**SW846 8081A**
	0.500	**0.501**	**ug**	**100**	**13**	**SW846 8081A**
alpha-BHC	0.500	0.486	ug	97		SW846 8081A
	0.500	0.536	ug	107	9.9	SW846 8081A
beta-BHC	0.500	0.490	ug	98		SW846 8081A
	0.500	0.545	ug	109	11	SW846 8081A
delta-BHC	0.500	0.512	ug	102		SW846 8081A
	0.500	0.570	ug	114	11	SW846 8081A
gamma-BHC (Lindane)	**0.500**	**0.497**	**ug**	**99**		**SW846 8081A**
	0.500	**0.557**	**ug**	**111**	**11**	**SW846 8081A**
alpha-Chlordane	0.500	0.471	ug	94		SW846 8081A
	0.500	0.516	ug	103	9.2	SW846 8081A
gamma-Chlordane	0.500	0.492	ug	98		SW846 8081A
	0.500	0.549	ug	110	11	SW846 8081A
4,4'-DDD	0.500	0.538	ug	108		SW846 8081A
	0.500	0.605	ug	121	12	SW846 8081A
4,4'-DDE	0.500	0.542	ug	108		SW846 8081A
	0.500	0.609	ug	122	12	SW846 8081A
4,4'-DDT	**0.500**	**0.538**	**ug**	**108**		**SW846 8081A**
	0.500	**0.626**	**ug**	**125**	**15**	**SW846 8081A**
Dieldrin	**0.500**	**0.492**	**ug**	**98**		**SW846 8081A**
	0.500	**0.548**	**ug**	**110**	**11**	**SW846 8081A**
Endosulfan I	0.500	0.492	ug	98		SW846 8081A
	0.500	0.539	ug	108	9.2	SW846 8081A
Endosulfan II	0.500	0.478	ug	96		SW846 8081A
	0.500	0.535	ug	107	11	SW846 8081A
Endosulfan sulfate	0.500	0.484	ug	97		SW846 8081A
	0.500	0.548	ug	110	12	SW846 8081A
Endrin	**0.500**	**0.522**	**ug**	**104**		**SW846 8081A**
	0.500	**0.588**	**ug**	**118**	**12**	**SW846 8081A**
Endrin aldehyde	0.500	0.389	ug	78		SW846 8081A
	0.500	0.432	ug	86	10	SW846 8081A
Endrin ketone	0.500	0.446	ug	89		SW846 8081A
	0.500	0.497	ug	99	11	SW846 8081A
Heptachlor	**0.500**	**0.479**	**ug**	**96**		**SW846 8081A**
	0.500	**0.563**	**ug**	**113**	**16**	**SW846 8081A**
Heptachlor epoxide	0.500	0.490	ug	98		SW846 8081A
	0.500	0.544	ug	109	10	SW846 8081A
Methoxychlor	0.500	0.506	ug	101		SW846 8081A
	0.500	0.580	ug	116	14	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H6D030245 **Work Order #...:** H2PK81AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: H6D060000-188 H2PK81AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(34 - 144)
	90	(34 - 144)
Decachlorobiphenyl	96	(30 - 126)
	108	(30 - 126)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Software Version: 4.1<2F12>
Sample Name : 6096188
Sample Number: H2PK81ACC
Operator : Analyst

Time : 4/22/2006 10:27 AM
Study :

Instrument : GST
AutoSampler :
Rack/Vial : 0/0

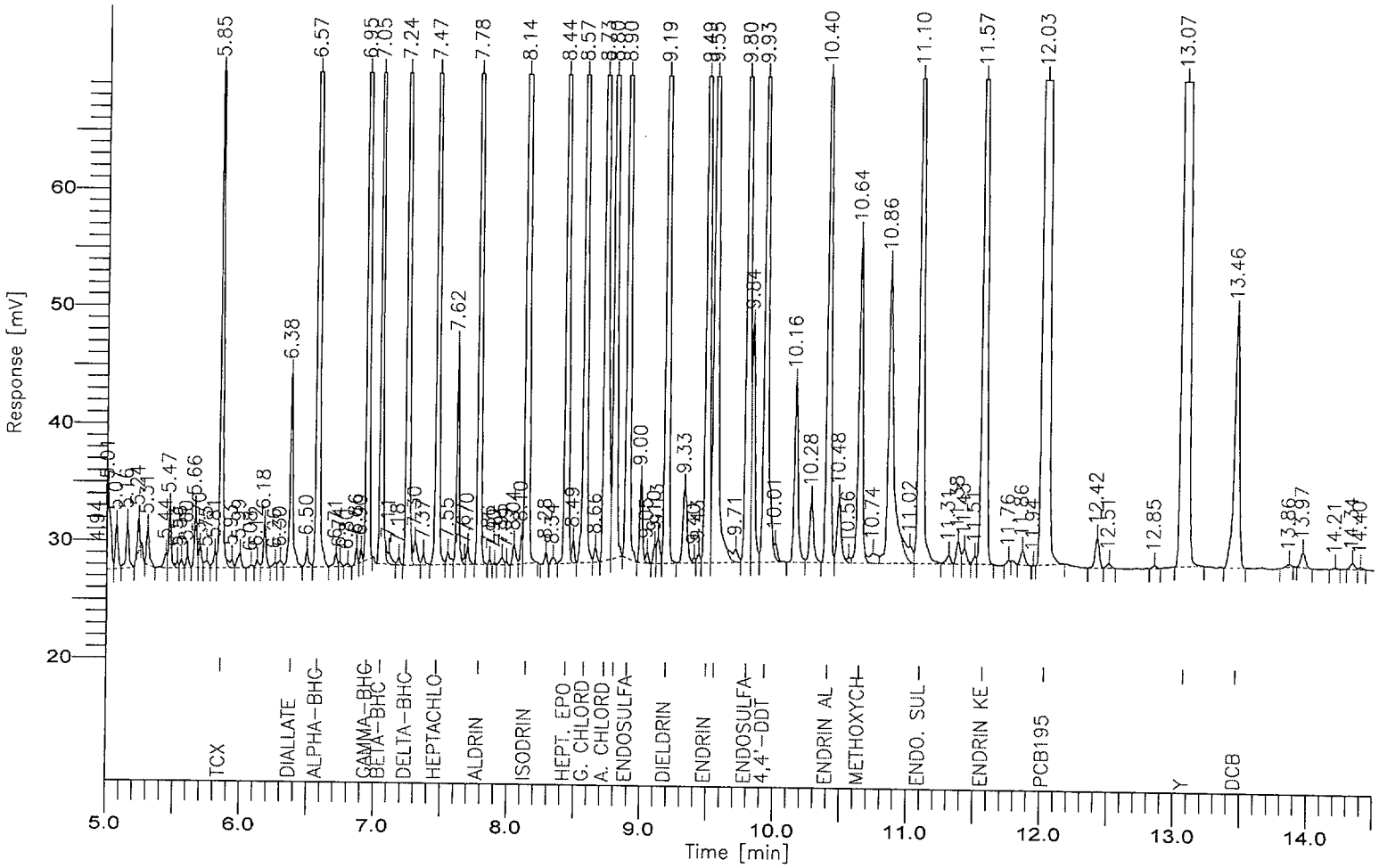
Channel : A A/D mV Range : 1000

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 07:44 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9043.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9043.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9043.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.852	TCX	0.1932	0.20000	19.32	64574	51823	-0.025	-0.0014	5.853	10	3e+07	96.6
6.375	Diallate	1.7040	0.00000	170.40	25271	16539	-0.014	-0.0009	6.376	10	------	--------
6.574	ALPHA-BHC	0.4860	0.00000	48.60	241314	212059	-0.009	-0.0006	6.574	10	------	--------
6.945	GAMMA-BHC	0.4985	0.00000	49.85	201247	182061	-0.013	-0.0009	6.946	10	------	--------
7.047	BETA-BHC	0.4936	0.00000	49.36	90078	76782	-0.014	-0.0010	7.048	10	------	--------
7.244	DELTA-BHC	0.5123	0.00000	51.23	204555	182614	-0.011	-0.0008	7.244	10	------	--------
7.466	HEPTACHLOR	0.5765	0.00000	57.65	156868	132209	-0.010	-0.0007	7.467	10	------	--------
7.781	ALDRIN	0.4798	0.00000	47.98	209297	181555	-0.005	-0.0004	7.782	10	------	--------
8.138	ISODRIN	1.0000	3.0422e+05	100.00	386432	305119	-0.006	-0.0005	8.139	10	100.3	3.3e-04
8.436	HEPT. EPOXIDE	0.5056	0.00000	50.56	179903	137654	-0.003	-0.0002	8.436	10	------	--------
8.574	G. CHLORDANE	0.4941	0.00000	49.41	192369	138809	-0.004	-0.0003	8.574	10	------	--------
8.726	A. CHLORDANE	0.4918	0.00000	49.18	204789	136066	-0.007	-0.0006	8.726	10	------	--------
8.797	4,4'-DDE	0.5676	0.00000	56.76	186155	134477	-0.020	-0.0017	8.798	10	------	--------
8.897	ENDOSULFAN I	0.5109	0.00000	51.09	175328	121784	-0.001	-0.0001	8.897	10	------	--------
9.190	DIELDRIN	0.5220	0.00000	52.20	179438	120949	-0.003	-0.0003	9.190	10	------	--------
9.492	ENDRIN	0.5908	0.00000	59.08	154616	97294	-0.006	-0.0006	9.492	10	------	--------
9.550	DDD & Chlorobe	2.4074	0.00000	240.74	183288	95031	-0.050	-0.0047	9.555	10	------	--------
9.796	ENDOSULFAN II	0.5139	0.00000	51.39	155155	92214	-0.016	-0.0015	9.797	10	------	--------
9.931	4,4'-DDT	0.6423	0.00000	64.23	125704	68143	-0.012	-0.0012	9.932	10	------	--------
10.403	ENDRIN ALDEHYD	0.4251	0.00000	42.51	99555	55845	-0.009	-0.0009	10.404	10	------	--------
10.640	METHOXYCHLOR	0.6713	0.00000	67.13	56869	27921	-0.038	-0.0041	10.644	10	------	--------
11.096	ENDO. SULFATE	0.4841	0.00000	48.41	126952	61158	-0.010	-0.0011	11.097	10	------	--------
11.569	ENDRIN KETONE	0.4992	0.00000	49.92	151946	74091	-0.018	-0.0021	11.571	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	733020	334865	-0.016	-0.0020	12.029	10	------	--------
13.074	Y	2.0000	0.00000	200.00	622444	264981	-0.029	-0.0039	13.078	10	------	--------
13.463	DCB	0.1943	0.20000	19.43	57077	21601	-0.020	-0.0026	13.466	10	1e+07	97.1
		19.4644			5164245	3e+06						193.7

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9043.TX0

Diallate = $\frac{1.3857}{1.5} \times 100$ = 97.4% Recovery

Chlorobenzilate = $\frac{1.7664}{1.5} \times 100$ = 118% Recovery

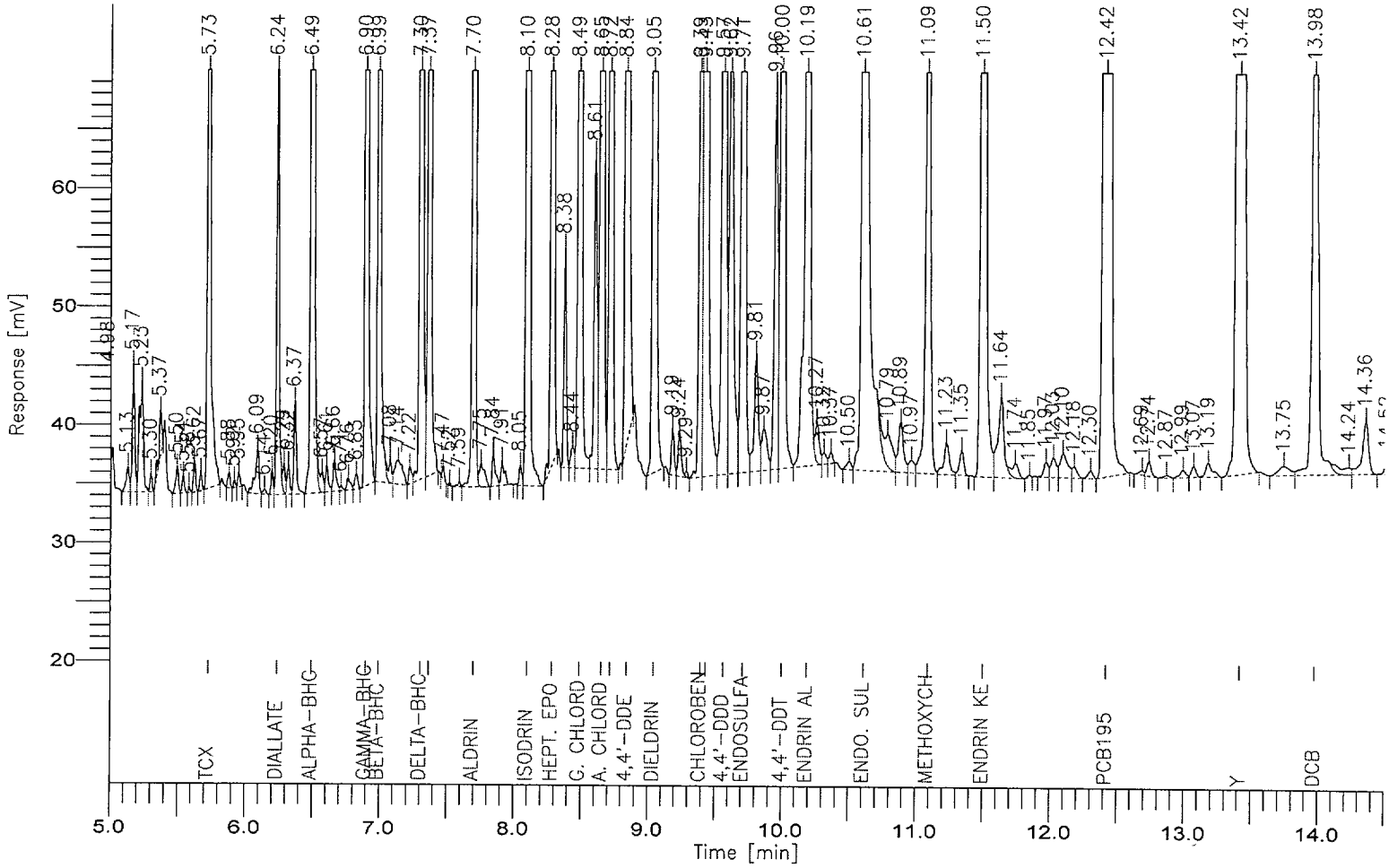
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/24/2006 07:33 AM
Sample Number: H2PK81ACC Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 07:44 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9043.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9043.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9043.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1656	0.20000	16.56	151408	117370	-0.013	-0.0007	5.727	10	6e+07	82.8
6.238	Diallate	1.3857	0.00000	138.57	49363	38352	-0.004	-0.0003	6.239	10	------	--------
6.494	ALPHA-BHC	0.4878	0.00000	48.78	459436	404123	-0.008	-0.0005	6.495	10	------	--------
6.897	GAMMA-BHC	0.4970	0.00000	49.70	376548	338672	-0.005	-0.0003	6.898	10	------	--------
6.992	BETA-BHC	0.4897	0.00000	48.97	181092	155076	-0.001	-0.0001	6.992	10	------	--------
7.303	DELTA-BHC	0.5276	0.00000	52.76	391647	349610	-0.003	-0.0002	7.303	10	------	--------
7.366	HEPTACHLOR	0.4792	0.00000	47.92	283700	238338	-0.002	-0.0002	7.366	10	------	--------
7.697	ALDRIN	0.4416	0.00000	44.16	459929	401933	0.002	0.0001	7.696	10	------	--------
8.100	ISODRIN	1.0000	5.1802e+05	100.00	822553	672551	0.005	0.0004	8.099	10	129.8	1.9e-04
8.284	HEPT. EPOXIDE	0.4899	0.00000	48.99	353043	287070	0.001	0.0001	8.284	10	------	--------
8.490	G. CHLORDANE	0.4922	0.00000	49.22	433631	326548	-0.005	-0.0004	8.490	10	------	--------
8.654	A. CHLORDANE	0.4708	0.00000	47.08	429526	316379	-0.001	-0.0000	8.654	10	------	--------
8.721	ENDOSULFAN I	0.4916	0.00000	49.16	370411	273641	0.001	0.0001	8.721	10	------	--------
8.840	4,4'-DDE	0.5416	0.00000	54.16	416924	298513	-0.016	-0.0014	8.842	10	------	--------
9.046	DIELDRIN	0.4917	0.00000	49.17	368369	252734	-0.001	-0.0001	9.046	10	------	--------
9.393	Chlorobenzilat	1.7664	0.00000	176.64	96244	61314	-0.019	-0.0018	9.395	10	------	--------
9.432	ENDRIN	0.5217	0.00000	52.17	332299	199119	0.006	0.0006	9.431	10	------	--------
9.565	4,4'-DDD	0.5383	0.00000	53.83	278492	169577	-0.038	-0.0037	9.569	10	------	--------
9.711	ENDOSULFAN II	0.4776	0.00000	47.76	328173	201328	-0.006	-0.0006	9.712	10	------	--------
10.003	4,4'-DDT	0.5377	0.00000	53.77	246582	139897	-0.021	-0.0021	10.005	10	------	--------
10.190	ENDRIN ALDEHYD	0.3888	0.00000	38.88	243632	122077	-0.004	-0.0004	10.190	10	------	--------
10.613	ENDO. SULFATE	0.4978	0.00000	49.78	384218	155478	0.010	0.0010	10.612	10	------	--------
11.091	METHOXYCHLOR	0.5055	0.00000	50.55	130536	60297	-0.029	-0.0032	11.094	10	------	--------
11.503	ENDRIN KETONE	0.4455	0.00000	44.55	311627	148176	-0.007	-0.0008	11.503	10	------	--------
12.421	PCB195	2.0000	0.00000	200.00	1625728	737735	-0.028	-0.0034	12.424	10	------	--------
13.418	Y	2.0000	0.00000	200.00	1410493	586016	-0.023	-0.0032	13.421	10	------	--------
13.976	DCB	0.1925	0.20000	19.25	157830	56491	-0.010	-0.0014	13.978	10	3e+07	96.3
		18.3238			11093432	7e+06						179.1

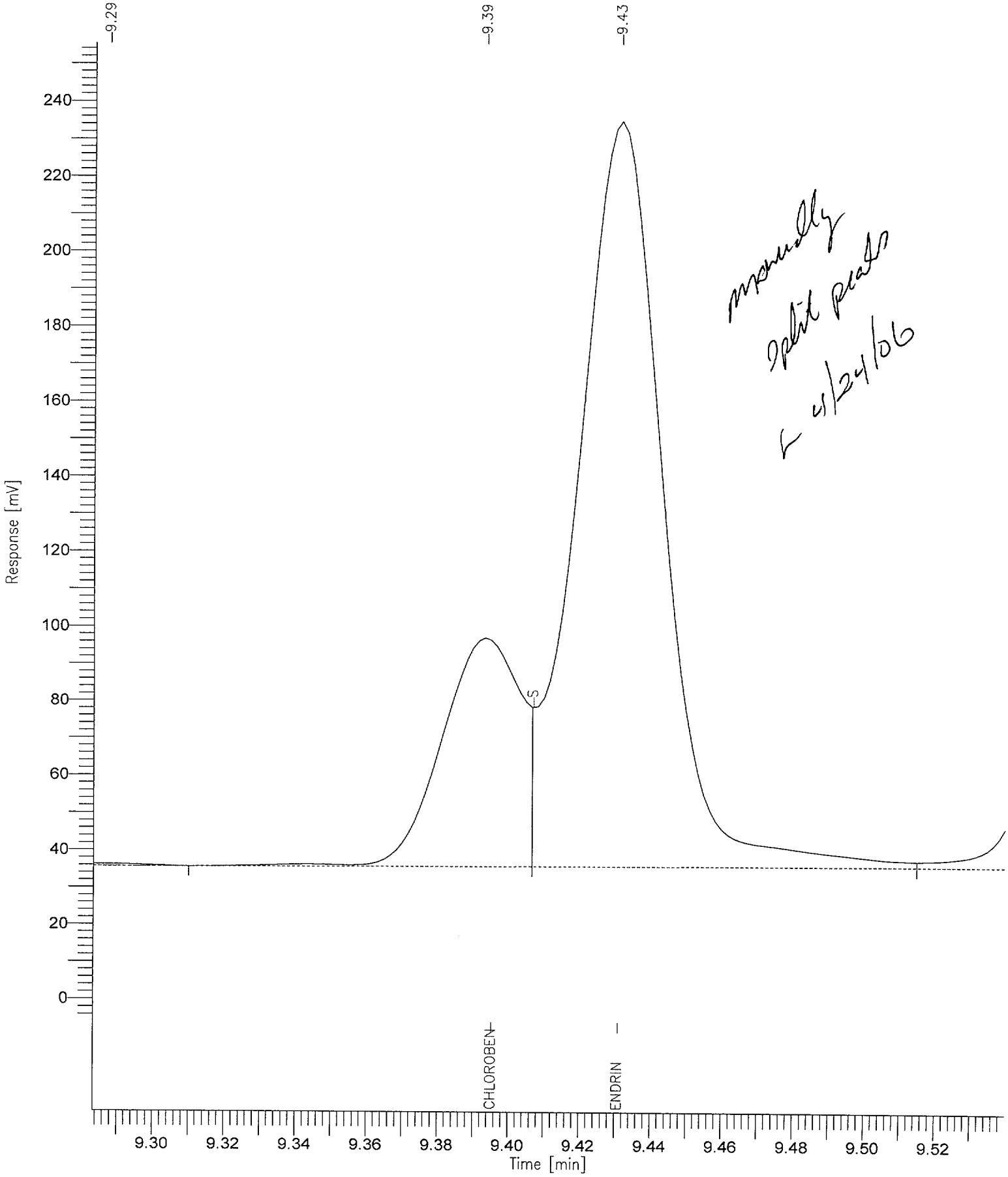
Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\s#b9043.TX0

manually opted
chlorobenzilate
L 4/24/06

Chromatogram

Sample Name : 6096188
FileName : K:\#GST\#SEQ\D19S6W\S#B9043.RAW
Method :
Start Time : 9.28 min End Time : 9.54 min
Scale Factor: 0.0 Plot Offset: -6 mV

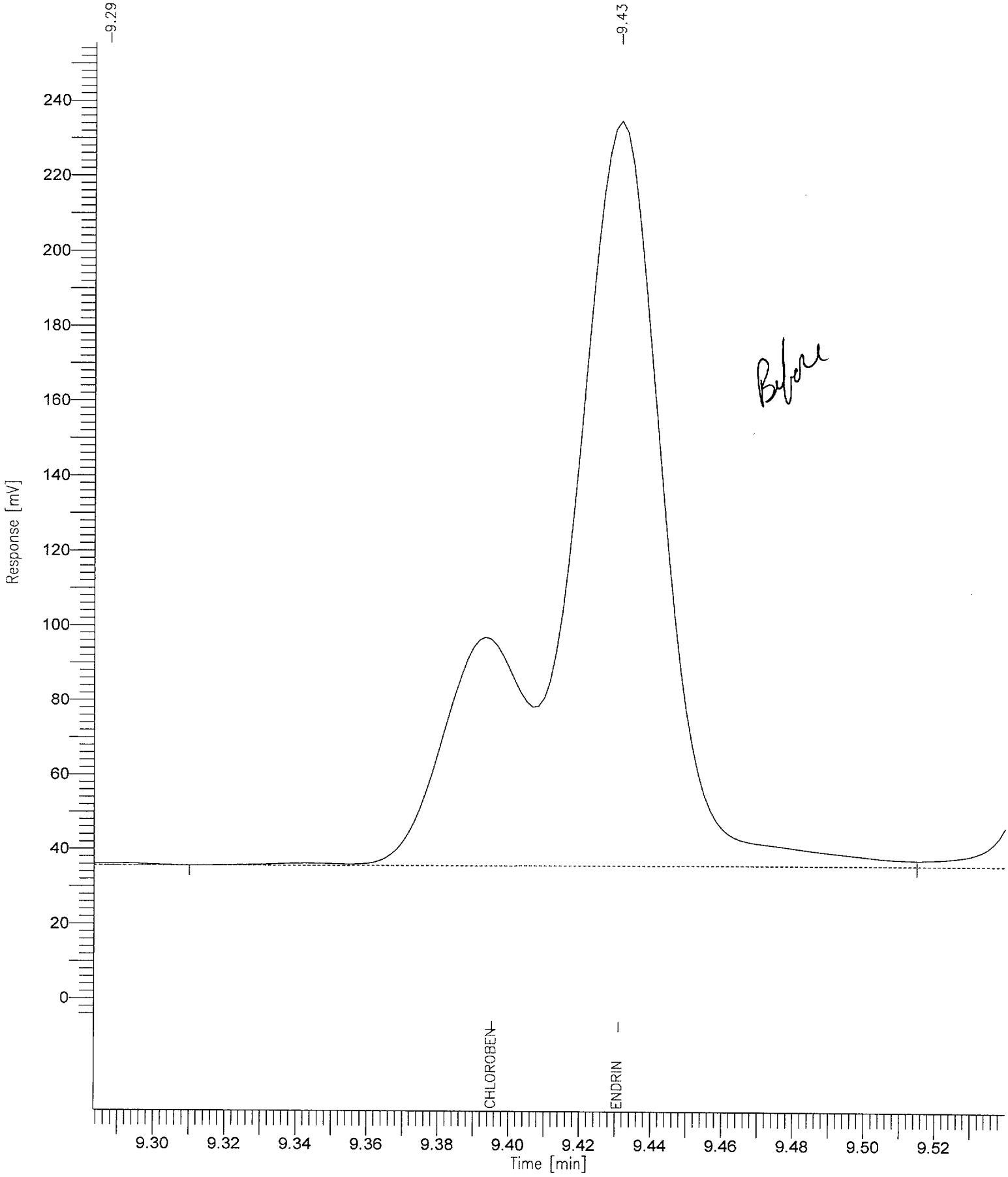
Sample #: H2PK81ACC Page 1 of 1
Date : 4/24/2006 07:32 AM
Time of Injection: 4/21/2006 07:44 PM
Low Point : -5.97 mV High Point : 255.36 mV
Plot Scale: 261.3 mV



Chromatogram

Sample Name : 6096188
FileName : K:\#GST\#SEQ\D19S6W\S#B9043.RAW
Method :
Start Time : 9.28 min End Time : 9.54 min
Scale Factor: 0.0 Plot Offset: -6 mV

Sample #: H2PK81ACC Page 1 of 1
Date : 4/24/2006 07:32 AM
Time of Injection: 4/21/2006 07:44 PM
Low Point : -5.97 mV High Point : 255.36 mV
Plot Scale: 261.3 mV



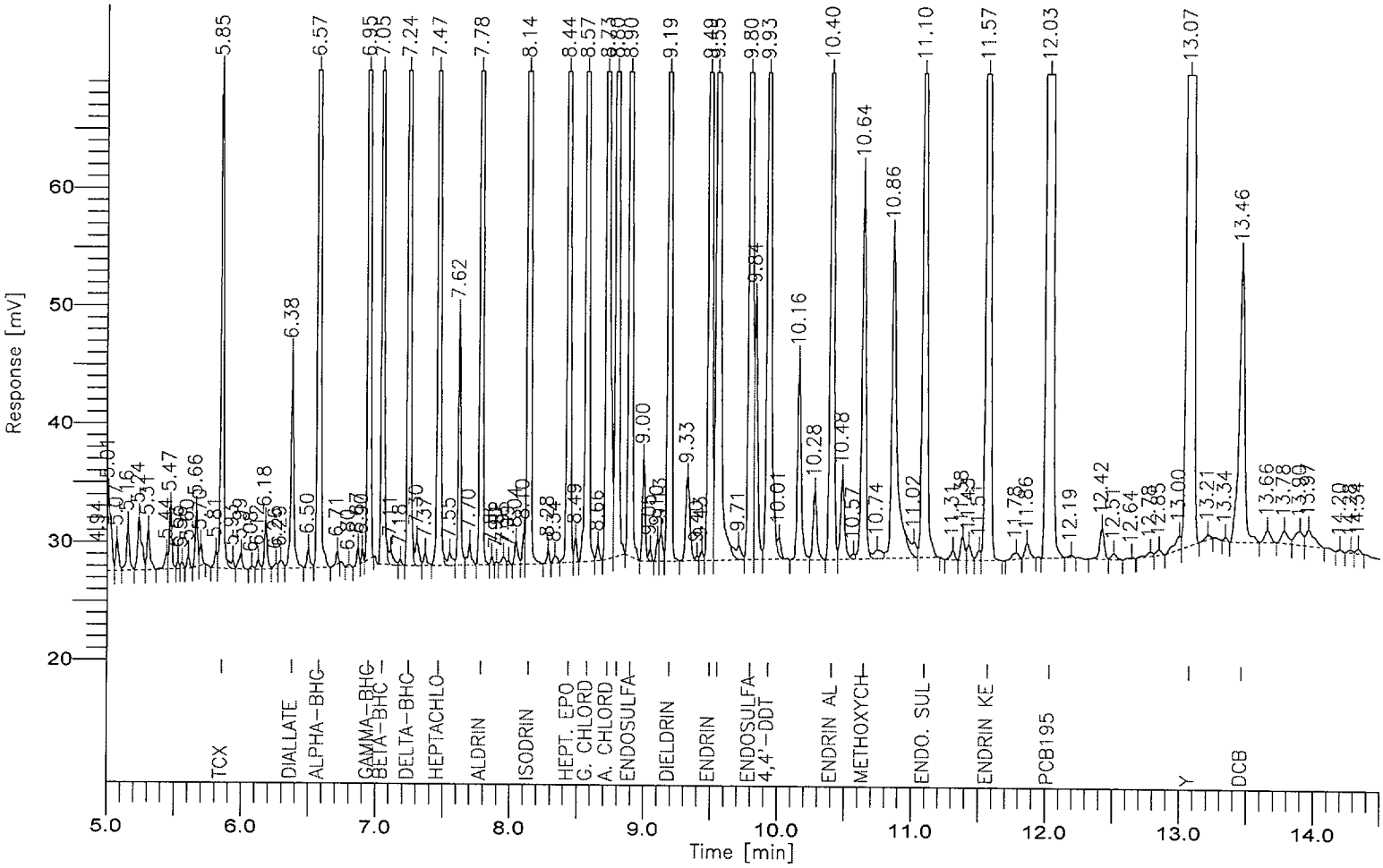
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/22/2006 10:27 AM
Sample Number: H2PK81ADL Study :
Operator : Analyst

Instrument : GST Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 08:04 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#A9044.RAW
Result File : K:\#GST\#SEQ\D19S6W\S#A9044.RST
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\S#A9044.RS
Proc Method : K:\#GST\#MTHINST\S619P.mth
Calib Method : K:\#GST\#MTHCALB\D21S6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.853	TCX	0.2032	0.20000	20.32	68535	54791	-0.010	-0.0006	5.853	10	3e+07	101.6
6.375	Diallate	1.7895	0.00000	178.95	26718	18247	-0.015	-0.0010	6.376	10	------	--------
6.574	ALPHA-BHC	0.5365	0.00000	53.65	268508	235274	-0.006	-0.0004	6.574	10	------	--------
6.945	GAMMA-BHC	0.5567	0.00000	55.67	225689	204333	-0.012	-0.0008	6.946	10	------	--------
7.047	BETA-BHC	0.5501	0.00000	55.01	99913	86005	-0.014	-0.0010	7.048	10	------	--------
7.243	DELTA-BHC	0.5704	0.00000	57.04	229577	204340	-0.013	-0.0010	7.244	10	------	--------
7.466	HEPTACHLOR	0.6678	0.00000	66.78	182551	153913	-0.010	-0.0007	7.467	10	------	--------
7.781	ALDRIN	0.5330	0.00000	53.30	234188	202696	-0.006	-0.0005	7.782	10	------	--------
8.138	ISODRIN	1.0000	3.0422e+05	100.00	389049	306647	-0.006	-0.0005	8.139	10	100.8	3.3e-04
8.435	HEPT. EPOXIDE	0.5564	0.00000	55.64	200926	152244	-0.005	-0.0004	8.436	10	------	--------
8.573	G. CHLORDANE	0.5515	0.00000	55.15	214882	155703	-0.007	-0.0006	8.574	10	------	--------
8.726	A. CHLORDANE	0.5511	0.00000	55.11	227905	153247	-0.010	-0.0008	8.726	10	------	--------
8.797	4,4'-DDE	0.6363	0.00000	63.63	210661	151515	-0.019	-0.0017	8.798	10	------	--------
8.896	ENDOSULFAN I	0.5593	0.00000	55.93	196031	133969	-0.007	-0.0006	8.897	10	------	--------
9.189	DIELDRIN	0.5786	0.00000	57.86	201342	134728	-0.006	-0.0006	9.190	10	------	--------
9.492	ENDRIN	0.6749	0.00000	67.49	175369	111698	-0.008	-0.0008	9.492	10	------	--------
9.550	DDD & Chlorobe	2.6884	0.00000	268.84	207437	107997	-0.054	-0.0051	9.555	10	------	--------
9.796	ENDOSULFAN II	0.5822	0.00000	58.22	174781	104995	-0.015	-0.0015	9.797	10	------	--------
9.932	4,4'-DDT	0.7388	0.00000	73.88	145304	78769	-0.003	-0.0003	9.932	10	------	--------
10.403	ENDRIN ALDEHYD	0.4757	0.00000	47.57	112004	62811	-0.011	-0.0011	10.404	10	------	--------
10.641	METHOXYCHLOR	0.7871	0.00000	78.71	64200	32904	-0.034	-0.0036	10.644	10	------	--------
11.096	ENDO. SULFATE	0.5486	0.00000	54.86	140505	69660	-0.013	-0.0014	11.097	10	------	--------
11.569	ENDRIN KETONE	0.5675	0.00000	56.75	172354	84642	-0.020	-0.0023	11.571	10	------	--------
12.027	PCB195	2.0000	0.00000	200.00	743268	341975	-0.015	-0.0018	12.029	10	------	--------
13.074	Y	2.0000	0.00000	200.00	634481	270503	-0.027	-0.0036	13.078	10	------	--------
13.464	DCB	0.2173	0.20000	21.73	69592	24285	-0.013	-0.0018	13.466	10	1e+07	108.7
		21.1210			5615768	4e+06						210.3

Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\S#A9044.TX0

% Recovery

Diallate = $\frac{1.5068}{1.5} \times 100 = 100.45\%$ R

Chlorobenzilate = $\frac{1.9652}{1.5} \times 100 = 131\%$ R

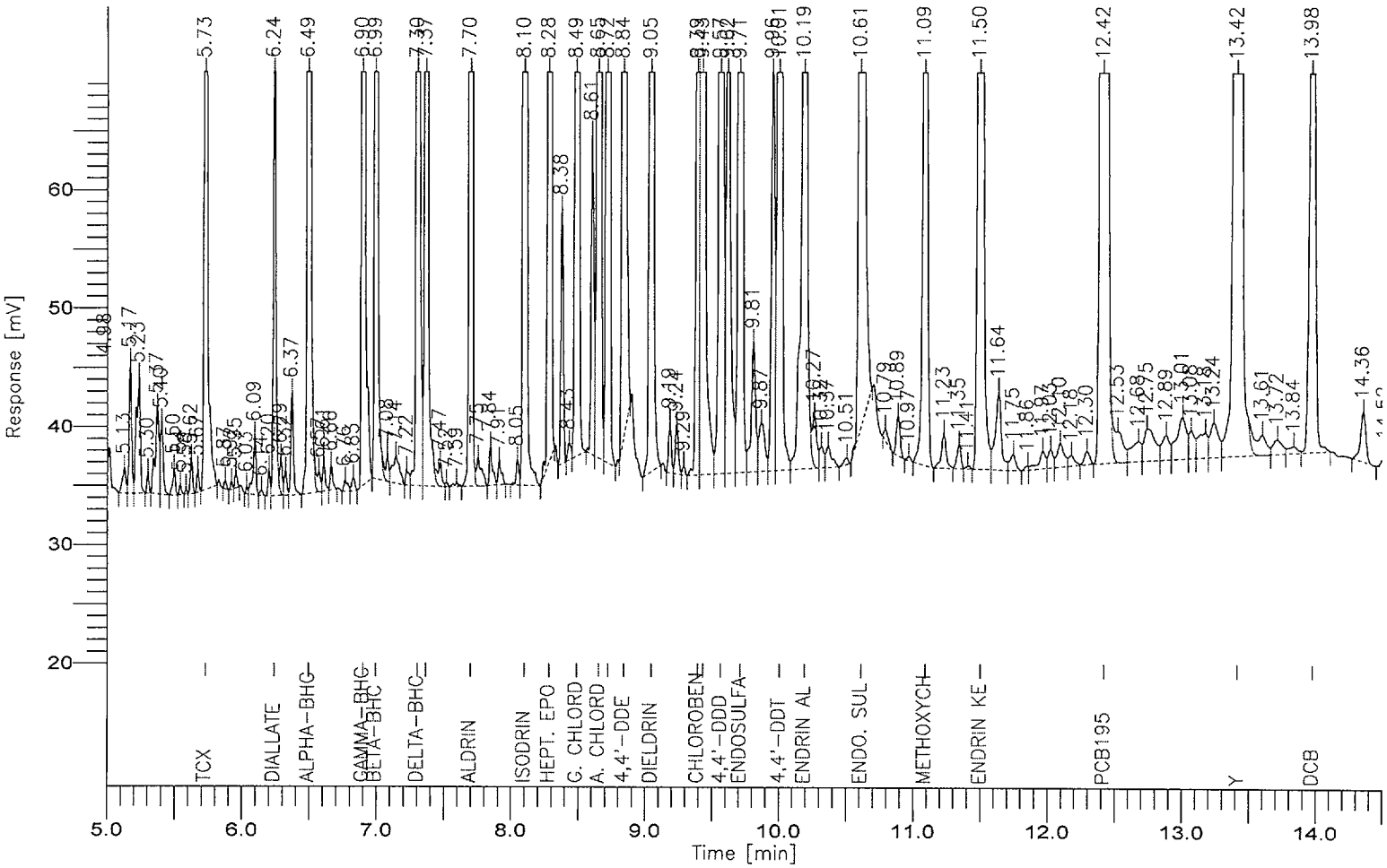
Software Version: 4.1<2F12>
Sample Name : 6096188 Time : 4/24/2006 07:37 AM
Sample Number: H2PK81ADL Study :
Operator : Analyst

Instrument : GST Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2120574795 Data Acquisition Time: 4/21/2006 08:04 PM
Delay Time : 2.00 min.
End Time : 16.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : K:\#GST\#SEQ\D19S6W\S#B9044.RAW
Result File : K:\#GST\#SEQ\D19S6W\s#b9044.rst
Inst Method : K:\#GST\#MTHINST\SPCBINST from K:\#GST\#SEQ\D19S6W\s#b9044.rs
Proc Method : K:\#GST\#MTHINST\T619P.mth
Calib Method : K:\#GST\#MTHCALB\D21T6W.mth
Sequence File : K:\#GST\#SEQ\D19S6W.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



STL-KNOXVILLE GGH

Ret Time [min]	Component	Adj. Amount ug	spike ug	Raw Amount ppb	Area [µV·s]	Height [µV]	Delta RT %	RT Diff (min)	Expected RT (min)	Final Vol	IS Rec %	% REC.
5.727	TCX	0.1802	0.20000	18.02	162669	127798	-0.004	-0.0002	5.727	10	6e+07	90.1
6.239	Diallate	1.5068	0.00000	150.68	53922	42246	-0.001	-0.0001	6.239	10	------	--------
6.494	ALPHA-BHC	0.5427	0.00000	54.27	509458	449799	-0.007	-0.0004	6.495	10	------	--------
6.898	GAMMA-BHC	0.5615	0.00000	56.15	424324	382779	-0.003	-0.0002	6.898	10	------	--------
6.992	BETA-BHC	0.5450	0.00000	54.50	199155	172711	-0.005	-0.0004	6.992	10	------	--------
7.303	DELTA-BHC	0.5917	0.00000	59.17	440421	392266	-0.005	-0.0003	7.303	10	------	--------
7.366	HEPTACHLOR	0.5634	0.00000	56.34	328652	280328	-0.002	-0.0001	7.366	10	------	--------
7.696	ALDRIN	0.5014	0.00000	50.14	509700	456628	-0.004	-0.0003	7.696	10	------	--------
8.100	ISODRIN	1.0000	5.1802e+05	100.00	826293	672913	0.005	0.0004	8.099	10	129.9	1.9e-04
8.284	HEPT. EPOXIDE	0.5438	0.00000	54.38	392975	318801	0.004	0.0003	8.284	10	------	--------
8.490	G. CHLORDANE	0.5491	0.00000	54.91	477066	364560	-0.003	-0.0002	8.490	10	------	--------
8.654	A. CHLORDANE	0.5163	0.00000	51.63	476631	347113	0.000	0.0000	8.654	10	------	--------
8.721	ENDOSULFAN I	0.5393	0.00000	53.93	410578	300387	0.005	0.0004	8.721	10	------	--------
8.841	4,4'-DDE	0.6093	0.00000	60.93	464619	336012	-0.012	-0.0010	8.842	10	------	--------
9.046	DIELDRIN	0.5482	0.00000	54.82	411856	281963	0.006	0.0005	9.046	10	------	--------
9.394	Chlorobenzilat	1.9652	0.00000	196.52	107563	69840	-0.018	-0.0017	9.395	10	------	--------
9.431	ENDRIN	0.5882	0.00000	58.82	375277	224630	0.004	0.0004	9.431	10	------	--------
9.566	4,4'-DDD	0.6051	0.00000	60.51	314657	190720	-0.032	-0.0031	9.569	10	------	--------
9.712	ENDOSULFAN II	0.5351	0.00000	53.51	365927	225703	-0.002	-0.0002	9.712	10	------	--------
10.005	4,4'-DDT	0.6263	0.00000	62.63	285993	163052	-0.009	-0.0009	10.005	10	------	--------
10.190	ENDRIN ALDEHYD	0.4319	0.00000	43.19	275965	135699	0.002	0.0002	10.190	10	------	--------
10.613	ENDO. SULFATE	0.5477	0.00000	54.77	368200	171151	0.009	0.0010	10.612	10	------	--------
11.091	METHOXYCHLOR	0.5804	0.00000	58.04	144086	69268	-0.029	-0.0033	11.094	10	------	--------
11.502	ENDRIN KETONE	0.4972	0.00000	49.72	348108	165484	-0.011	-0.0013	11.503	10	------	--------
12.422	PCB195	2.0000	0.00000	200.00	1666512	748403	-0.019	-0.0023	12.424	10	------	--------
13.419	Y	2.0000	0.00000	200.00	1463137	602023	-0.016	-0.0021	13.421	10	------	--------
13.977	DCB	0.2152	0.20000	21.52	158282	61972	-0.009	-0.0012	13.978	10	3e+07	107.6
		19.8912			11962025	8e+06						197.7

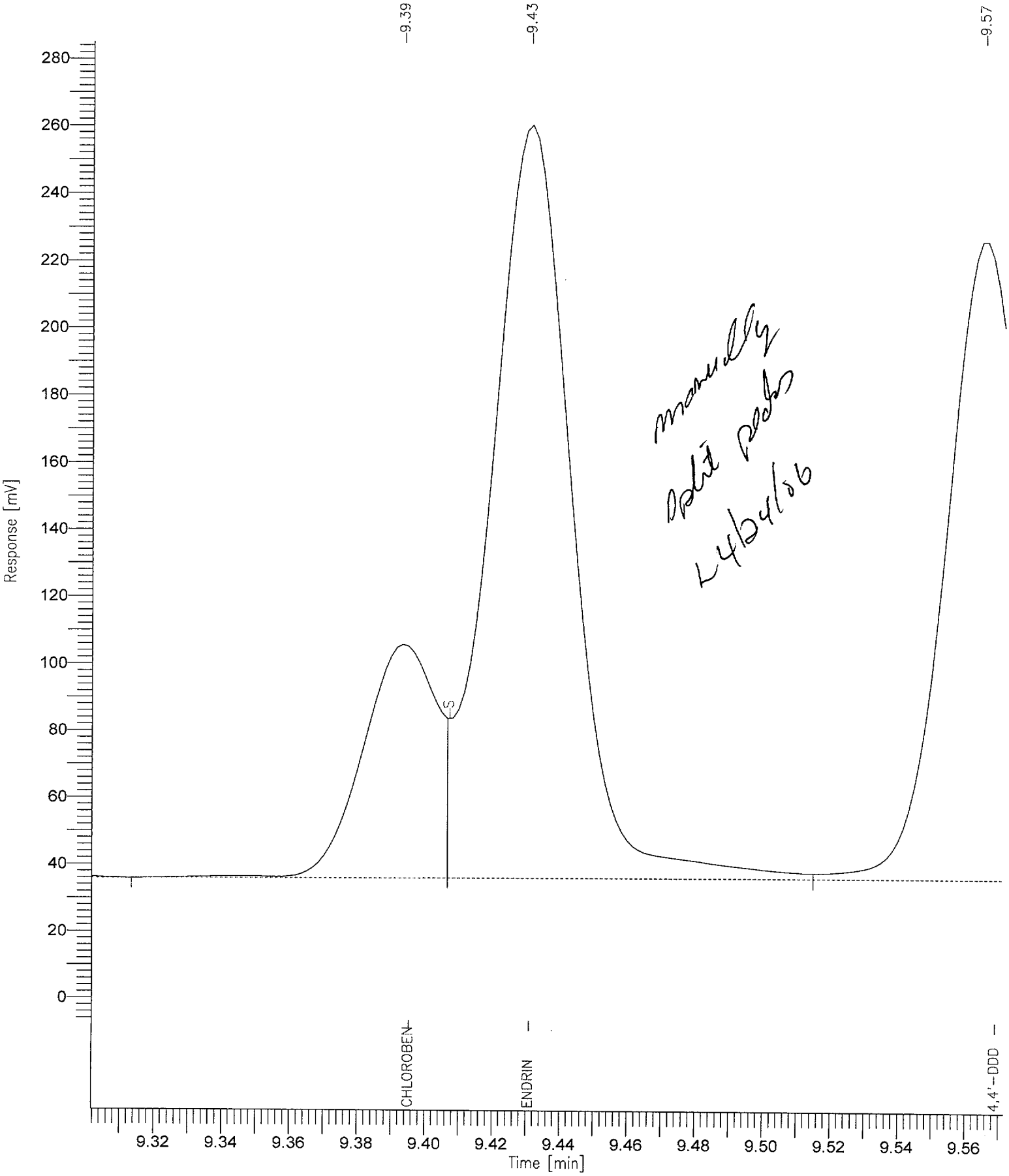
Report stored in ASCII file: K:\#GST\#SEQ\D19S6W\s#b9044.TX0

manually opld Chlorobenzilat
L 4/24/06

Chromatogram

Sample Name : 6096188
FileName : K:\#GST\#SEQ\D19S6W\S#B9044.RAW
Method :
Start Time : 9.30 min End Time : 9.57 min
Scale Factor: 0.0 Plot Offset: -7 mV

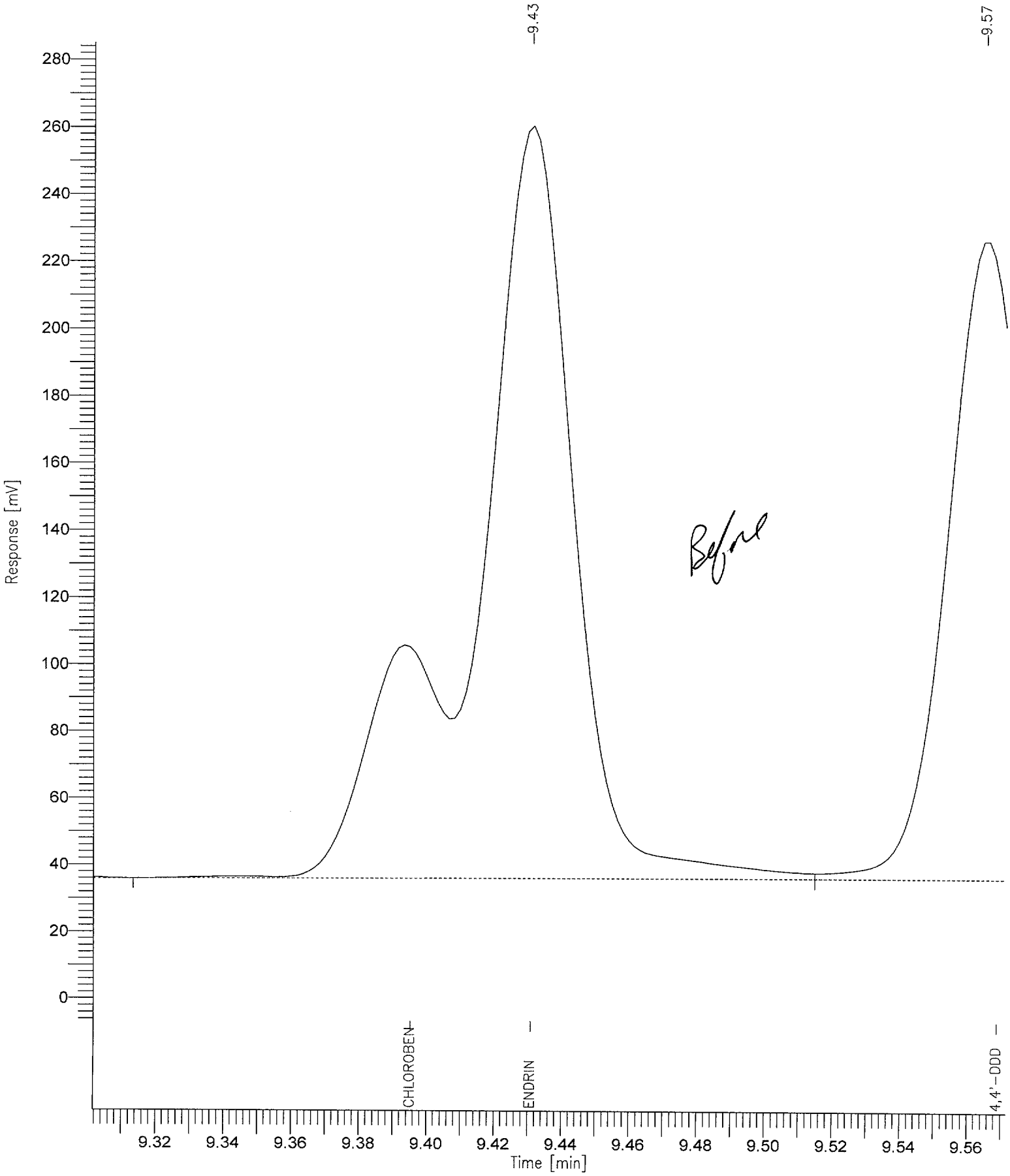
Sample #: H2PK81ADL Page 1 of 1
Date : 4/24/2006 07:37 AM
Time of Injection: 4/21/2006 08:04 PM
Low Point : -6.63 mV High Point : 284.92 mV
Plot Scale: 291.6 mV



Chromatogram

Sample Name : 6096188
FileName : K:\#GST\#SEQ\D19S6W\S#B9044.RAW
Method :
Start Time : 9.30 min End Time : 9.57 min
Scale Factor: 0.0 Plot Offset: -7 mV

Sample #: H2PK81ADL Page 1 of 1
Date : 4/24/2006 07:36 AM
Time of Injection: 4/21/2006 08:04 PM
Low Point : -6.63 mV High Point : 284.92 mV
Plot Scale: 291.6 mV



Miscellaneous Data

STL Knoxville GC Pesticides/PCBs Data Review / Narrative Checklist LOT # H6D030245

Methods: 8081A, 8082, TO-4A, SOPs: KNOX-GC-0014 Rev. 5 and KNOX-GC-0015 Rev. 7

Sequence No.:	D19S6W.Seq					
Scanned File:	D19S6W	D19S024				
	D21S6W	D19S049				
	~~D21S6LOG~~ KLM 4/24/06	D19S6LOG				

Review Items	Yes	No	N/A	2nd √	If No, why is data reportable?
A. Continuing Calibration (CCAL))					
1. **CCAL Checklist** completed for each analytical batch?	✓			✓	
B. Client Sample and QC Sample Results					
1. Were all **special project requirements** met?	✓			✓	
2. Were **Turbochrom** sample IDs, DFs, prep **factors verified**?	✓			✓	
3. Sample analyses done within preparation and analytical **holding time** (HT)? *If no, list samples and NCM#:* _____	✓			✓	☐ *[ht1] HT expired upon receipt.* ☐ *[ht2] Client requested analysis after HT expired.** ☐ **Re-extraction done after HT expired.**
4. Same **process file** used for samples and ICAL? (2nd Level - Check 1-2 compounds for batch by manually calculating concentration using the ICAL avg. RF or curve.)	✓			✓	
5. Are **sample** ~~**and MS/MSD**~~ **surrogates** within QC limits? 4/24/06	✓			✓	☐ [sur1] MS/MSD surr.%R showed same effect. ☐ [sur2] Re-extraction demonstrated same effect. ☐ **[sur3] Not enough sample for re-extraction.** ☐ [sur7] Obvious matrix interference. ☐ **[sur12] Surr.%R high and all targets ND.** ☐ **[sur16] 1 Surr. out, but blank & LCS surrogates in control - matrix effect.**
6. Are internal standards within 50-150% of last CCV?	✓			✓	
7. Do positive hits meet identification criteria? (**RT and 2nd column confirmation** for Aroclors & single peak analytes; **fingerprint** for Toxaphene and Technical Chlordane)	✓			✓	
8. Are positive results **within calibration range**?	✓			✓	
9. Were peaks checked for **saturation**?	✓			✓	
10. Is **integration** acceptable and are all manual integrations clearly identified, initaled, dated and reason given?	✓			✓	Reasons: 1) Corrected split peak; 2) Unresolved peak; 3) Tailing; 4) RT shift; 5) Wrong peak selected; 6) Other
11. Is largest analyte **diluted to 20-100%** of the calibration range?	✓			✓	☐ [dil1] Dilution required to prevent contamination of instrument due to non-target compounds.
12. Were runs checked for **carryover**?	✓			✓	
13. Final **report acceptable**? (Results correct, RLs calculated correctly, units correct, surrogate %R correct, appropriate flags used, deviations noted in narrative, dilution factor correct, and extraction/ analysis dates correct.)	✓			✓	
C. Preparation/Matrix QC					
1. **LCS** done per prep batch and all analytes and surrogates within laboratory established QC limits?	✓			✓	☐ **[lcs2] Insufficient sample for reanalysis.*** ☐ **[lcs3] LCS %R high and all analyte(s) were <RL in associated samples.**
2. **Method blank** done per prep batch, method blank or instrument blank run with each sequence, and all analytes <RL? (< ½ RL for DOD QSM)	✓			✓	☐ **[mb3] No analyte > RL in associated samples.*** ☐ **[mb4] Sample results > 20x higher than blank.** ☐ **[mb5] Insufficient sample for reanalysis.***
3. **Method blank surrogate recoveries** within QC limits?	✓			✓	☐ **[mb1] Sample surrogates OK and there is no analyte >RL in samples associated with blank.***
4. **MS/MSD** done per batch?		✓		✓	☒ [lcsd] Insufficient sample. LCS/LCSD analyzed.
5. **MS/MSD** recoveries and RPDs within laboratory generated control limits?			✓	NA	☐ [ms1] LCS acceptable - sample matrix effects. ☐ [ms2] LCS acceptable. High native analyte concentration relative to spike level. ☐ [ms3] Spikes diluted out. LCS acceptable. ☐ [rpd] LCS acceptable. RPD out due to lack of sample homogeneity.
6. Were MS run #'s assigned correctly?			✓	NA	
D. Other					
1. Are all **nonconformances** documented appropriately?			✓	NA	

Analyst: [signature]	**Date:** 4/24/06	**2nd Level Reviewer:** [signature]	**Date:** 4/24/06
Comments:		**Comments:**	

* Such action must be taken in consultation with client.

8081A
Cond. wes tates

STL KNOXVILLE
Extraction Sheet - Air

Batch 6095224
Extracted By: AJR / mgn
Extraction Start time/date 4-5-06 15:30
Extraction Conc by/date AJR 4-7-06
SOP (Circle one) KNOX-OP-0002 ~~KNOX-OP-0009~~

Spiked by: ~~AJR~~ AJR 4-5-06 mgn
Witness Surr/Spike: AJR
Extraction Stop Time/Date: 9:30 4-6-06
Conc. Method Used: KD Rapid Vap
Glassware inspected by: AJR
Sulfuric Acid Cleanup by/date: NA

Reagent Lot No:
Methylene Chloride C03E68
Acetone NA
Sodium Sulfate B09615
Hexane B45E60
Sulfuric Acid NA ~~B05H10~~ AJR 4-7-06
Sodium Hydroxide NA
Other ↓

Sample Lot Numbers: HGD030245

Relinquished by: AJR Date: 4-10-06 Time: 10:15
Received by: mgn Date: ↓ Time: ↓

Comments: The total volume of the condensate and rinses were measured. 1000mL of the total volume of the sample or 0.5 sample for sample H21H3V was extracted for 8081A. ½ the rinse amounts were used for 8081A & ½ for 8270C.

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/10/06
Time: 7:46:17

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
_	_	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 014113 Annette J. Ribet
060062 Marcus J. Ramsey

Concentrationist: 014113 Annette J. Ribet

****
* QC BATCH: 6095224 *
****

PREP DATE: 4/05/06 15:30
COMP DATE: 4/06/06 9:30

Reviewer/Date: RIBETA / 4/10/06

Pesticides (8081A)
LIQ/LIQ, CONT (PAH,P/P,TPH) - Nominal

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06 COMMENTS:	4/24/06	H6D030245-003 **H2H3M-1-AC**	D	10	QJ	AIR	**0.431Sampl** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	50.0	AI2416 1.0 ML
4/12/06 COMMENTS:	4/24/06	H6D030245-006 **H2H3Q-1-AC**	D	10	QJ	AIR	**0.463Sampl** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	50.0	AI2416 1.0 ML
4/11/06 COMMENTS:	4/24/06	H6D030245-009 **H2H3V-1-AC**	D	10	QJ	AIR	**0.5Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	50.0	AI2416 1.0 ML
4/13/06 COMMENTS:	4/24/06	H6D030245-013 **H2H31-1-AC**	D	10	QJ	AIR	**0.436Sampl** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	50.0	AI2416 1.0 ML
4/11/06 COMMENTS:	0/00/00	H6D050000-224 **H2MKT-1-AAB**		10	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	50.0	AI2416 1.0 ML
4/11/06 COMMENTS:	0/00/00	H6D050000-224 **H2MKT-1-ACC**		10	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	50.0	AI2425 1.0 ML AI2416 1.0 ML
4/11/06 COMMENTS:	0/00/00	H6D050000-224 **H2MKT-1-ADL**	R	10	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	50.0	AI2425 1.0 ML AI2416 1.0 ML

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 7

STL Knoxville Airtrain Prep Worksheet

Batch Number: 6094188, 6094187, 6094189, 6095224, 6096185, 6096186

Lot numbers: H6D030245

Date: 4-5-06 / 4-6-06

Analyst: AJR / MJR

	Sample Number	Front 1/2 (ml) Rinse	Back 1/2 (ml) Rinse	Cond 1 (ml)	Cond 2 (ml)	Cond 3 (ml)	Cond 4 (ml)	Rinse (ml)	Comments
1	H2H3M			990	940	390	NA	180	NA
2	H2H3Q		AJR 4-7-06	1030	AJR 4-5-06 ~~1000~~ 1030	100	NA ~~130~~ AJL 4-5-06	130	
3	H2H3V			186		NA		94	
4	H2H31			450	905	940	NA	80	
5	H2H3J	99mL						99ml	
6	H2H3N	83mL						83ml	
7	H2H3R	73mL					AJR 4-7-06	73ml	
8	H2H3X	44mL						44ml	
9	H2H3L	NA	100ml						
10	H2H3P		100ml					AJR 4-7-06	
11	H2H3T		86ml						
12	H2H30		96ml						
13									
14									
15									
16							AJR 4-7-06		
17									
18									
19									
20									

Pest 8081A XAD

STL KNOXVILLE
Extraction Sheet - Air

Batch 6096188
Extracted By: MJR
Extraction Start time/date 16:00 4-6-06
Extraction Conc by/date AJR/MJR 4-7-06
SOP (Circle one) KNOX-OP-0002 KNOX-OP-0009

Spiked by: MJR
Witness Surr/Spike: mop
Extraction Stop Time/Date: 10:00 4-7-06
Conc. Method Used: KD Rapid Vap
Glassware inspected by: mgl
Sulfuric Acid Cleanup by/date: NA

Reagent Lot No:
Methylene Chloride C03E68
Acetone NA
Sodium Sulfate B09615
Hexane B45E60
Sulfuric Acid NA
Sodium Hydroxide ↓
Other ↓

Sample Lot Numbers: H6D030245

Relinquished by: AJR Date: 4-13-06 Time: 16:05
Received by: mop Date: ↓ Time: ↓

AJR 4-7-06

Comments: Samples ~~were~~ & QC samples were split 50/50 after ~~extraction~~ & concentration. 5mL 8081A, & 5mLs 8270C. The LCS/LCSDup 5mLs were archived. The 5mls for 8081A was solvent exchanged on the nitrogen blow down. 2mLs of the extracts were put through florisil cleanup. The samples were ~~brought~~ brought to a final volume of 2mLs.

AJR 4-7-06

Florisil Cleanup: AJR 4-12-06

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/13/06
Time: 10:20:41

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
–	–	MS/MSD	Y	Y	Vial contains correct volume
–	–		Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			–	–	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 060062 Marcus J. Ramsey

Concentrationist: 014113 Annette J. Ribet
060062 Marcus J. Ramsey

QC BATCH: 6096188

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/06 10:00

Reviewer/Date: RIBETA / 4/13/06

Pesticides (8081A)
SOXHLET (NOMINAL), Airtrains: XAD/Rinse

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06	4/24/06	H6D030245-002 **H2H3L-1-AC**	D	IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/12/06	4/24/06	H6D030245-005 **H2H3P-1-AC**	D	IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/11/06	4/24/06	H6D030245-008 **H2H3T-1-AC**	D	IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/13/06	4/24/06	H6D030245-010 **H2H3W-1-AC**	D	IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/13/06	4/24/06	H6D030245-012 **H2H30-1-AC**	D	IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/11/06	4/24/06	H6D030245-014 **H2H32-1-AC**	D	IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/11/06	0/00/00	H6D060000-188 **H2PK8-1-AAB**		IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/13/06
Time: 10:20:41

QC BATCH: 6096188

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/06 10:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06	0/00/00	H6D060000-188 **H2PK8-1-ACC**		IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2425 1.0 ML AI2416 1ML
COMMENTS:															
4/11/06	0/00/00	H6D060000-188 **H2PK8-1-ADL**	R	IO	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2425 1.0 ML AI2416 1ML
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 9

STL Knoxville Airtrain Prep Worksheet

Batch Number: 6096188, 6096187, 6096189, 6095224, 6096185, 6096186

Lot numbers: H6D030245

Date: 4-5-06 / 4-6-06

Analyst: AJR / mgr

	Sample Number	Front 1/2 (ml) Rinse	Back 1/2 (ml) Rinse	Cond 1 (ml)	Cond 2 (ml)	Cond 3 (ml)	Cond 4 (ml)	Rinse (ml)	Comments
1	H2H3M			990	940	390	NA	180	NA
2	H2H3Q		AJR 4-7-06	1030	AJR 4-5-06 ~~1000~~ 1030	100	NA ~~130~~ AJR 4-5-06	130	
3	H2H3V			186		NA		94	
4	H2H31			450	905	940	NA	80	
5	H2H3J	99mL						99ml	
6	H2H3N	83mL						83ml	
7	H2H3R	73mL					AJR 4-7-06	73ml	
8	H2H3X	44mL						44ml	
9	H2H3L	NA	100ml						
10	H2H3P		100ml					AJR 4-7-06	
11	H2H3T		86ml						
12	H2H30		96ml						
13									
14									
15							AJR		
16							4-7-06		
17									
18									
19									
20									

Pest 8081A Filters

STL KNOXVILLE

Extraction Sheet - Air

Batch 6096186

Extracted By: MJR

Extraction Start time/date 16:00 4.6.06

Extraction Conc by/date AJR / MJR 4-7-06

SOP (Circle one) KNOX-OP-0002 KNOX-OP-0009

Spiked by: MJR

Witness Surr/Spike: mop

Extraction Stop Time/Date: 10:00 4.7.06

Conc. Method Used: KD Rapid Vap

Glassware inspected by: MJR

Sulfuric Acid Cleanup by/date: NA

Reagent Lot No:

Methylene Chloride C03E68

Acetone NA

Sodium Sulfate B09615

Hexane B45E60

Sulfuric Acid NA

Sodium Hydroxide ↓

Other

Sample Lot Numbers: H6D030245

Relinquished by: AJR Date: 4.13.06 Time: 16:05

Received by: mop Date: ↓ Time: ↓

Comments: Samples were split 50/50 after extraction and concentration 5mL (8081A, 8270C). The 5mL portion for 8081A was solvent exchanged on the nitrogen blow down. 2mls of the extract was then put through florisil cleanup and brought to a final volume of 2mls. The LCS/LCSD were concentrated down to 10mls split with 5mL being archived and the other 5mls was treated like the samples + Method blank.

Florisil cleanup: 4-12-06 AJR

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/13/06
Time: 10:20:38

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
		MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
					Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 060062 Marcus J. Ramsey

Concentrationist: 014113 Annette J. Ribet
060062 Marcus J. Ramsey

Reviewer/Date: RIBETA / 4/13/06

QC BATCH: 6096186

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/06 10:00

Pesticides (8081A)
SOXHLET (NOMINAL), Airtrains: Filter/Rinse

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/11/06	4/24/06	H6D030245-001 **H2H3J-1-AC**	D	IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/12/06	4/24/06	H6D030245-004 **H2H3N-1-AC**	D	IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/11/06	4/24/06	H6D030245-007 **H2H3R-1-AC**	D	IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/13/06	4/24/06	H6D030245-011 **H2H3X-1-AC**	D	IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/11/06	4/24/06	H6D030245-015 **H2H33-1-AC**	D	IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/11/06	0/00/00	H6D060000-186 **H2PKR-1-AA**B		IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2416 1ML/OP50210 500UL
COMMENTS:															
4/11/06	0/00/00	H6D060000-186 **H2PKR-1-AC**C		IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2425 1.0 ML AI2416 1ML
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/13/06
Time: 10:20:38

QC BATCH: 6096186

PREP DATE: 4/06/06 16:00
COMP DATE: 4/07/06 10:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
		H6D060000-186													
4/11/06	0/00/00	**H2PKR-1-ADL**	R	IN	QJ	AIR	**1.0Sample** 10.00mL	NA	NA	NA	MECL2	450.0	HEXANE	25.0	AI2425 1.0 ML AI2416 1ML

COMMENTS:

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
↕

NUMBER OF WORK ORDERS IN BATCH: 8

STL Knoxville Airtrain Prep Worksheet

Batch Number: 6096188, 6096187, 6096189, 6095224, 6096185, 6096186

Lot numbers: H6D030245

Date: 4-5-06 / 4-6-06

Analyst: AJR / MGR

	Sample Number	Front 1/2 (ml) Rinse	Back 1/2 (ml) Rinse	Cond 1 (ml)	Cond 2 (ml)	Cond 3 (ml)	Cond 4 (ml)	Rinse (ml)	Comments
1	H2H3M			990	940	390	NA	180	NA
2	H2H3Q		AJR 4-7-06	1030	AJR 4-5-06 ~~1000~~ 1030	100	NA ~~130~~ AJR 4-5-06	130	
3	H2H3V			186		NA		94	
4	H2H31			450	905	940	NA	80	
5	H2H3J	99mL						99ml	
6	H2H3N	83mL						83ml	
7	H2H3R	73mL					AJR 4-7-06	73ml	
8	H2H3X	44mL						44ml	
9	H2H3L	NA	100ml						
10	H2H3P		100ml					AJR 4-7-06	
11	H2H3T		86ml						
12	H2H30		96ml						
13									
14									
15							AJR 4-7-06		
16									
17									
18									
19									
20									

Sample Receipt Documentation

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

STL Knoxville Lot Number: H6D030245
STL Knoxville Project Number: 142541

NOTE: After Log-In, please give the original completed RFA/COC to Patti Carswell.

Project Identification:	**Westates Carbon CPT**
STL Knoxville Project Number:	142541
STL Contact:	Ms. Patti Carswell (865) 291-3010
STL - ACS Project Manager:	Dr. William C. Anderson (865) 291-3080

Laboratory Deliverable Turnaround Requirements:	
Analytical Due Date: (Review-Released Data)	21 Days from Lab Receipt
Data Package Due Date:	21 Days from Lab Receipt
Laboratory Destination:	STL Knoxville 5815 Middlebrook Pike Knoxville, Tennessee 37921 (865) 291-3000
Courier:	Federal Express

Analytical Testing QC Requirements:
The Legend for Project-Specific Quality Control Testing is designated in the "QC" column as follows:
"MS" = Matrix Spike, "MSD" = Matrix Spike Duplicate,
"DUP" = Duplicate, and "PDS" = Post Digestion Spike

Project Deliverables:
Report analytical results on R-02 Reports and in data packages.
Include "Field Number", "Sample Type", and "Run Number" on all R-02 Reports.

Holding Time Requirements:

Semivolatile Organic Compounds (SVOCs) & Organochlorine Pesticides (OCPs)	14 Days from Sample Collection to Extraction. 40 Days from Extraction to Analysis.

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Require-ments	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-2919-R1-MM5 Front Half Composite Train A *Combine with Sample No. G-2920*	3-28-06		Petri Dish	**Particulate Filter Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-2920 *Combine with Sample No.: G-2919*	3-28-06		250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.
G-2921-R1-MM5 Back Half Composite Train A *Combine with Sample No.: G-2922*	3-28-06		XAD-2 Resin Tube	**XAD-2 Resin Tube** **Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Requirements	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-2922 *Combine with Sample No.: G-2921*	3-28-06		250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-2923-R1-MM5 Impinger Composite Train A *Combine with Sample No.: G-2924*	3-28-06		3 ~~2~~ X 1 Liter Amber Boston Round 3-30-06	**Condensate and Impinger Contents, Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-2924 *Combine with Sample No.: G-2923*	3-28-06		250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate Run #1** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.
G-3017-R2-MM5 Front Half Composite Train A *Combine with Sample No. G-3018*	3-29-06		Petri Dish	**Particulate Filter Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3018 *Combine with Sample No.: G-3017*	3-29-06		250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.
G-3019-R2-MM5 Back Half Composite Train A *Combine with Sample No.: G-3020*	3-29-06		XAD-2 Resin Tube	**XAD-2 Resin Tube Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Requirements	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-3020 *Combine with Sample No.: G-3019*	3-29-06		250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-3021-R2-MM5 Impinger Composite Train A *Combine with Sample No.: G-3022*	3-29-06		3 ~~2~~X 1 Liter Amber Boston Round Tw 3-30-06	**Condensate and Impinger Contents, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3022 *Combine with Sample No.: G-3021*	3-29-06		250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate, Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.
G-3023-R2-MM5 Front Half Composite BT A *Combine with Sample No. G-3024*	3-28-06	**Blank Train**	Petri Dish	**Particulate Filter Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3024 *Combine with Sample No.: G-3023*	3-28-06	**Blank Train**	250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.
G-3025-R2-MM5 Back Half Composite BT A *Combine with Sample No.: G-3026*	3-28-06	**Blank Train**	XAD-2 Resin Tube	**XAD-2 Resin Tube Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Require-ments	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-3026 *Combine with Sample No.: G-3025*	3-28-06	**Blank Train**	250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-3027-R2-MM5 Impinger Composite BT A *Combine with Sample No.: G-3028*	3-28-06	**Blank Train**	1→X 1 Liter Amber Boston Round TW 3-30-06	**Condensate and Impinger Contents, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3028 *Combine with Sample No.: G-3027*	3-28-06	**Blank Train**	250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate, Run #2** Method 0010 Blank Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.
G-3029-R2-MM-5 Train A XAD-2 Trip/RB	3-30-06	**Trip/ Reagent Blank**	XAD-2 Resin Tube	**XAD-2 Resin Tube Trip/Reagent Blank Run #2** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Soxhlet extract this sample using Methylene Chloride. Reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3103-R3-MM5 Front Half Composite Train A *Combine with Sample No. G-3104*	3-30-06		Petri Dish	**Particulate Filter Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Front Half of the Filter Holder and Solvent Probe Rinses sample. Soxhlet extract the Front Half Composite and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3104 *Combine with Sample No.: G-3103*	3-30-06		250 mL Amber Boston Round	**Front Half of the Filter Holder and Probe Solvent Rinses, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Particulate Filter. Follow the sample preparation instructions for the Front Half fractions.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

Field Sample No./ Sample Coding ID	Sample Collection Date	Project QC Require-ments	Sample Bottle/ Container	Sample Type/Analysis	Analytical Specifications
G-3105-R3-MM5 Back Half Composite Train A *Combine with Sample No.: G-3106*	3·30·06		XAD-2 Resin Tube	**XAD-2 Resin Tube Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine the XAD-2 Resin Tube with the companion Back Half of the Filter Holder and Coil Condenser Solvent Rinses sample. Extract the Back Half Composite and concentrate to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3106 *Combine with Sample No.: G-3105*	3·30·06		250 mL Amber Boston Round	**Back Half of the Filter Holder and Coil Condenser Solvent Rinses, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion XAD-2 Resin Tube and follow the instructions for the Back Half fractions.
G-3107-R3-MM5 Impinger Composite Train A *Combine with Sample No.: G-3108*	3·30·06		3→X 1 Liter Amber Boston Round TW 3·30·06	**Condensate and Impinger Contents, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Glassware Solvent Rinses of the Impinger Contents and Condensate sample. Extract the composited samples and reduce the volume of the extract to 10 mL followed by a 50:50 split of the concentrate. One of the fractions is to be used for the analysis of semivolatiles (SVOCs), and the other fraction will be used to analyze for Pesticides (OCP) analysis.
G-3108 *Combine with Sample No.: G-3107*	3·30·06		250 mL Amber Boston Round	**Glassware Solvent Rinses of the Impinger Contents and Condensate, Run #3** Method 0010 Train A Semivolatiles (SVOCs) and Pesticides (OCP) Analyses	Combine this sample with the companion Condensate and Impinger Contents. Follow the instructions for the Condensate samples.

Request for Analysis/Chain-of-Custody – RFA/COC #015 [MM-5 Train A]
Focus/US Filter Westates Carbon
Comprehensive Performance Test at Parker, Arizona

H6D 030245

Sample Receipt Log and Condition of the Samples Upon Receipt:

Please fill in the following information:	Comments (Please write "NONE" if no comment applicable)
(1) Record the identities of any samples that were listed on the RFA but were not found in the sample shipment.	N/A
(2) Record the sample shipping cooler temperature of all coolers transporting samples listed on this RFA:	5.0°C
(3) Record any apparent sample loss/breakage.	N/A
(4) Record any unidentified samples transported with this shipment of samples:	N/A
(5) Indicate if all samples were received according to the project's required specifications (i.e. no nonconformances):	N/A

Custody Transfer:

Hand delivered

	Name	Company	Date/Time
Relinquished By:			
Accepted By:	[signature]	STL-Knoxville	4/2/06 1625
Relinquished By:			
Accepted By:			
Relinquished By:			
Accepted By:			
Relinquished By:			
Accepted By:			

STL KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: Focus **Project:** ~~St~~ Westgates Carbon (NE 4/3/06) **Lot Number:** H6D030245

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	14A COC was not relinquished (signed, dated, or time)
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☑ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other: Hand delivered	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)		✓		☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?			✓		

Quote #: 64351 PM Instructions: _____

Sample Receiving Associate: [signature] Date: 4/3/06

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