SDMS Document
106521

BUILDING 700 AREA & SOUTH RI – T-LINE INVESTIGATION REPORT

Property Known As:

Former Celotex Industrial Park
One River Road
Edgewater, Bergen County, New Jersey

Prepared for:

Edgewater Enterprises, LLC
525 River Road
Edgewater, NJ

April 9, 2003

Volume 2 of 6

Submitted by:

Environmental Waste Management Associates, LLC
P. O. Box 5430
Parsippany, New Jersey 07054
EWMA Project No. 202887

301253

APPENDIX 3

Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **FORMER CELOTEX - 202887**
IAL Case Number: **E03-01235**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

MAR 2003
RECEIVED

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Florida (E87670) and in the Department of Navy IR QA Program

Sample Summary

Case No. E03-01235

Project Name FORMER CELOTEX - 202887

Customer EWMA - HQ

Received On 2/14/2003@18:15

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
01235-001	SB-T12-0	0 / 0.5	2/14/2003@10:15	Soil	2
01235-002	SB-T12-11	11 / 11.5	2/14/2003@11:05	Soil	2
01235-003	SB-T12-14	14 / 14.5	2/14/2003@11:15	Soil	2
01235-004	SB-W13-0	0 / 0.5	2/14/2003@12:10	Soil	2
01235-005	SB-W13-12	12 / 12.5	2/14/2003@12:30	Soil	2
01235-006	SB-W13-19	19 / 19.5	2/14/2003@13:45	Soil	2
01235-007	SB-W15-0	0 / 0.5	2/14/2003@13:35	Soil	2
01235-008	SB-W15-11.5	11.5 / 12	2/14/2003@13:50	Soil	2
01235-009	SB-W15-16.5	16.5 / 17.0	2/14/2003@14:15	Soil	2
01235-010	FIELD BLANK	n/a	2/14/2003@09:45	Aqueous	6
01235-011	TRIP BLANK	n/a	2/14/2003	Soil	1

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and ten (10) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: FORMER CELOTEX - 202887) on February 14, 2003 for the analysis of:

(11) TCL VOA + 10
(10) TCL BNA + 20
(10) PCB
(10) TCL Pesticides
(10) TAL Metals
(10) Cyanide, Total

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

2/27/03
Date

0002

301260

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E03-01235

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

2/27/03
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E03 - 01235

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	GC/MS Tuning Specifications: a. BFB Passed		✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4.	GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5.	GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
	b. System Performance Check Compounds		✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7.	Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
	If not met, were the calculations checked and the results qualified as "estimated"?		na
8.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9.	Internal Standard Area/Retention Time Shift meet criteria		✓
10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		N/A
11.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12.	Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

2/20/03
Date

mtc 12/26/02

0004

301262

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E03 - 01235

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements:		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction		
b. Acid Fraction		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction		
b. Acid Fraction		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction		
b. Acid Fraction		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

02/21/03
Date

0005

301263

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E03 - 0435

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	Standards Summary submitted.		✓
3.	Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

02.25.2005
Date

0006

301264

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PESTICIDES

Lab Case Number: E03 - 01235

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	Standards Summary submitted.		✓
3.	Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

02/24/03
Date

mtc 12/26/02

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E03 - 01235

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable)/Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

H. Falck-Ferguson
Inorganics Manager

02/21/03
Date

mtc 12/26/02

0008

301266

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01235

Lab ID:	01235-001			01235-002			01235-003			01235-004		
Client ID:	SB-T12-0			SB-T12-11			SB-T12-14			SB-W13-0		
Depth:	0/0.5			11/11.5			14/14.5			0/0.5		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/14/03			2/14/03			2/14/03			2/14/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Methyl Acetate	11.7		0.725	ND		0.734	ND		0.670	ND		0.661
TOTAL VO's:	11.7			ND			ND			ND		
TOTAL TIC's:	7.60			ND			ND			ND		
TOTAL VO's & TIC's:	19.3			ND			ND			ND		
Semivolatiles - BNA (mg/Kg-ppm)												
Phenanthrene	0.387		0.101	0.251		0.118	ND		0.110	0.433		0.112
Anthracene	0.089	J	0.101	ND		0.118	ND		0.110	0.124		0.112
Fluoranthene	0.645		0.101	0.356		0.118	ND		0.110	0.760		0.112
Pyrene	0.551		0.101	0.335		0.118	ND		0.110	0.693		0.112
Butylbenzylphthalate	ND		0.101	ND		0.118	ND		0.110	0.390		0.112
Benzo[a]anthracene	0.413		0.101	0.187		0.118	ND		0.110	0.478		0.112
Chrysene	0.412		0.101	0.212		0.118	ND		0.110	0.515		0.112
bis(2-Ethylhexyl)phthalate	2.09		0.101	0.167		0.118	ND		0.110	0.290		0.112
Benzo[b]fluoranthene	0.306		0.101	0.131		0.118	ND		0.110	0.425		0.112
Benzo[k]fluoranthene	0.300		0.101	0.107	J	0.118	ND		0.110	0.367		0.112
Benzo[a]pyrene	0.370		0.101	0.127		0.118	ND		0.110	0.462		0.112
Indeno[1,2,3-cd]pyrene	0.217		0.101	0.083	J	0.118	ND		0.110	0.278		0.112
Dibenz[a,h]anthracene	0.128		0.101	ND		0.118	ND		0.110	0.135		0.112
Benzo[g,h,i]perylene	0.276		0.101	0.084	J	0.118	ND		0.110	0.315		0.112
TOTAL BNA'S:	6.18	J		2.04	J		ND			5.67		
TOTAL TIC's:	9.259			ND			ND			ND		
TOTAL BNA'S & TIC's:	15.4	J		2.04	J		ND			5.67		
PCB's (mg/Kg-ppm)	ND		0.016	ND		0.019	ND		0.016	ND		0.017
Pesticides (mg/Kg-ppm)	ND		0.00395	ND		0.00464	ND		0.00408	ND		0.00415

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01235

Lab ID:	01235-005			01235-006			01235-007			01235-008		
Client ID:	SB-W13-12			SB-W13-19			SB-W15-0			SB-W15-11.5		
Depth:	12/12.5			19/19.5			0/0.5			11.5/12		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/14/03			2/14/03			2/14/03			2/14/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Toluene	1.81		0.714	ND		0.834	ND		0.644	ND		0.768
Ethylbenzene	4.15		0.714	ND		0.834	ND		0.644	ND		0.768
Total Xylenes	33.9		0.714	ND		0.834	ND		0.644	ND		0.768
Styrene	2.38		0.714	ND		0.834	ND		0.644	ND		0.768
Isopropylbenzene	0.739		0.714	ND		0.834	ND		0.644	ND		0.768
TOTAL VO's:	43.0			ND			ND			ND		
TOTAL TIC's:	244			ND			ND			ND		
TOTAL VO's & TIC's:	287			ND			ND			ND		
Semivolatiles - BNA (mg/Kg-ppm)												
Naphthalene	19.0		0.358	ND		0.119	0.327		0.115	ND		0.121
2-Methylnaphthalene	56.2		0.358	ND		0.119	0.197		0.115	ND		0.121
1-1'-Biphenyl	12.6		0.358	ND		0.119	ND		0.115	ND		0.121
Acenaphthylene	1.15		0.358	ND		0.119	0.705		0.115	ND		0.121
Acenaphthene	7.15		0.358	ND		0.119	0.895		0.115	ND		0.121
Dibenzofuran	3.59		0.358	ND		0.119	0.328		0.115	ND		0.121
Fluorene	9.69		0.358	ND		0.119	0.776		0.115	ND		0.121
Phenanthrene	35.1		0.358	ND		0.119	5.37		0.115	0.221		0.121
Anthracene	4.21		0.358	ND		0.119	2.00		0.115	0.091	J	0.121
Carbazole	ND		0.358	ND		0.119	0.640		0.115	ND		0.121
Fluoranthene	5.68		0.358	ND		0.119	11.7		0.115	0.343		0.121
Pyrene	5.52		0.358	ND		0.119	11.4		0.115	0.302		0.121
Benzo[a]anthracene	1.30		0.358	ND		0.119	5.74		0.115	0.200		0.121
Chrysene	1.28		0.358	ND		0.119	6.26		0.115	0.215		0.121
bis(2-Ethylhexyl)phthalate	ND		0.358	ND		0.119	0.130		0.115	0.118	J	0.121
Benzo[b]fluoranthene	0.395		0.358	ND		0.119	5.81		0.115	0.140		0.121
Benzo[k]fluoranthene	0.578		0.358	ND		0.119	3.84		0.115	0.118	J	0.121
Benzo[a]pyrene	0.577		0.358	ND		0.119	6.37		0.115	0.165		0.121
Indeno[1,2,3-cd]pyrene	0.287	J	0.358	ND		0.119	3.79		0.115	0.095	J	0.121
Dibenz[a,h]anthracene	ND		0.358	ND		0.119	1.63		0.115	ND		0.121
Benzo[g,h,i]perylene	0.309	J	0.358	ND		0.119	3.74		0.115	0.097	J	0.121
TOTAL BNA'S:	165	J		ND			71.6			2.11	J	
TOTAL TIC's:	56.35			ND			25.915			ND		
TOTAL BNA'S & TIC's:	221	J		ND			97.5			2.11	J	
PCB's (mg/Kg-ppm)	ND		0.019	ND		0.017	ND		0.018	ND		0.018

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01235

Lab ID:	01235-009			01235-011		
Client ID:	SB-W15-16.5			TRIP BLANK		
Depth:	16.5/17.0					
Matrix:	Soil			Soil		
Sampled Date	2/14/03			2/14/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)						
TOTAL VO's:	ND		0.654	ND		0.625
TOTAL TIC's:	ND			ND		
TOTAL VO's & TIC's:	ND			ND		
Semivolatiles - BNA (mg/Kg-ppm)						
TOTAL BNA'S:	ND		0.111	~		
TOTAL TIC's:	ND			~		~
TOTAL BNA'S & TIC's:	ND			~		~
PCB's (mg/Kg-ppm)	ND		0.017	~		~
Pesticides (mg/Kg-ppm)	ND		0.00432	~		~
Metals (mg/Kg-ppm)						
Aluminum	6220		11.8	~		~
Antimony	ND		1.18	~		~
Arsenic	302		1.18	~		~
Barium	38.4		11.8	~		~
Beryllium	ND		0.590	~		~
Cadmium	ND		0.295	~		~
Calcium	458		59.0	~		~
Chromium	20.4		2.36	~		~
Cobalt	2.61		2.36	~		~
Copper	23.9		2.36	~		~
Iron	14900		29.5	~		~
Lead	6.63		0.590	~		~
Magnesium	2090		59.0	~		~
Manganese	106		5.90	~		~
Mercury	ND		0.015	~		~
Nickel	7.89		1.18	~		~
Potassium	1500		59.0	~		~
Selenium	ND		2.36	~		~
Silver	ND		0.590	~		~
Sodium	293		118	~		~
Thallium	1.09		0.118	~		~
Vanadium	15.4		2.36	~		~
Zinc	23.0		2.36	~		~
General Analytical						
Total Cyanide(mg/Kg-ppm)	ND		1.18	~		~

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01235

Lab ID:	01235-010		
Client ID:	FIELD BLANK		
Matrix:	Aqueous		
Sampled Date	2/14/03		
PARAMETER(Units)	Conc	Q	MDL
Volatiles (mg/L-ppm)			
TOTAL VO's:	ND		0.005
TOTAL TIC's:	ND		
TOTAL VO's & TIC's:	ND		
Semivolatiles - BNA (mg/L-ppm)			
TOTAL BNA'S:	ND		
TOTAL TIC's:	ND		
TOTAL BNA'S & TIC's:	ND		
PCB's (mg/L-ppm)	ND		0.200
Pesticides (mg/L-ppm)	ND		0.00001
Metals (mg/L-ppm)			
Aluminum	ND		1.00
Antimony	ND		0.100
Arsenic	ND		0.100
Barium	ND		1.00
Beryllium	ND		0.050
Cadmium	ND		0.025
Calcium	ND		5.00
Chromium	ND		0.200
Cobalt	ND		0.200
Copper	ND		0.200
Iron	ND		2.50
Lead	ND		0.050
Magnesium	ND		5.00
Manganese	ND		0.500
Mercury	ND		0.0005
Nickel	ND		0.100
Potassium	ND		5.00
Selenium	ND		0.200
Silver	ND		0.050
Sodium	ND		10.0
Thallium	ND		0.010
Vanadium	ND		0.200
Zinc	ND		0.200
General Analytical			
Total Cyanide(mg/L-ppm)	ND		20.0

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01235

Lab ID:	01235-001			01235-002			01235-003			01235-004		
Client ID:	SB-T12-0			SB-T12-11			SB-T12-14			SB-W13-0		
Depth:	0/0.5			11/11.5			14/14.5			0/0.5		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/14/03			2/14/03			2/14/03			2/14/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Metals (mg/Kg-ppm)												
Aluminum	22900		109	7360		11.9	19800		121	16100		116
Antimony	ND		1.09	ND		1.19	ND		1.21	ND		1.16
Arsenic	2.84		1.09	85.1		1.19	98.4		1.21	7.44		1.16
Barium	58.4		10.9	57.2		11.9	70.0		12.1	153		11.6
Beryllium	ND		0.546	ND		0.595	ND		0.603	0.592		0.578
Cadmium	ND		0.273	ND		0.298	ND		0.301	0.983		0.289
Calcium	44100		54.6	2120		59.5	1440		60.3	7420		57.8
Chromium	15.8		2.18	15.1		2.38	32.5		2.41	75.2		2.31
Cobalt	17.0		2.18	3.30		2.38	4.95		2.41	13.3		2.31
Copper	52.6		2.18	39.4		2.38	108		2.41	68.0		2.31
Iron	27800		27.3	20600		29.8	26800		30.1	25200		28.9
Lead	12.4		0.546	37.8		0.595	22.9		0.603	158		0.578
Magnesium	9490		54.6	2310		59.5	6160		60.3	7390		57.8
Manganese	329		5.46	126		5.95	193		6.03	483		5.78
Mercury	0.033		0.014	0.244		0.015	0.031		0.015	0.607		0.014
Nickel	39.1		1.09	8.42		1.19	15.8		1.21	33.4		1.16
Potassium	1150		54.6	2320		59.5	2090		60.3	4780		57.8
Selenium	ND		2.18	ND		2.38	ND		2.41	ND		2.31
Silver	ND		0.546	ND		0.595	ND		0.603	0.989		0.578
Sodium	3360		109	637		119	676		121	529		116
Thallium	ND		0.109	0.672		0.119	0.637		0.121	0.309		0.116
Vanadium	106		2.18	23.7		2.38	49.5		2.41	53.0		2.31
Zinc	44.9		2.18	51.6		2.38	66.7		2.41	146		2.31
General Analytical												
Total Cyanide(mg/Kg-ppm)	3.12		1.10	ND		1.20	ND		1.21	ND		1.16

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01235

Lab ID:	01235-005			01235-006			01235-007			01235-008		
Client ID:	SB-W13-12			SB-W13-19			SB-W15-0			SB-W15-11.5		
Depth:	12/12.5			19/19.5			0/0.5			11.5/12		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/14/03			2/14/03			2/14/03			2/14/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)	ND		0.00468	ND		0.00431	ND		0.0046	ND		0.00453
Metals (mg/Kg-ppm)												
Aluminum	8210		11.9	12400		123	12400		116	11900		12.3
Antimony	ND		1.19	ND		1.23	ND		1.16	ND		1.23
Arsenic	58.3		1.19	14.7		1.23	54.2		1.16	48.2		1.23
Barium	32.6		11.9	61.6		12.3	85.1		11.6	124		12.3
Beryllium	ND		0.595	ND		0.615	ND		0.580	ND		0.613
Cadmium	ND		0.298	ND		0.308	0.483		0.290	0.568		0.306
Calcium	2340		59.5	2650		61.5	3540		58.0	18900		61.3
Chromium	14.4		2.38	19.8		2.46	29.3		2.32	66.1		2.45
Cobalt	3.55		2.38	4.11		2.46	8.14		2.32	8.34		2.45
Copper	35.9		2.38	31.5		2.46	57.6		2.32	127		2.45
Iron	14200		29.8	13400		30.8	17000		29.0	34300		30.6
Lead	53.7		0.595	8.03		0.615	152		0.580	756		0.613
Magnesium	2620		59.5	3360		61.5	4000		58.0	3720		61.3
Manganese	136		5.95	124		6.15	293		5.80	264		6.13
Mercury	0.093		0.015	ND		0.015	0.583		0.014	0.640		0.015
Nickel	9.62		1.19	11.2		1.23	17.7		1.16	17.9		1.23
Potassium	598		59.5	2050		61.5	2170		58.0	1690		61.3
Selenium	ND		2.38	ND		2.46	ND		2.32	ND		2.45
Silver	ND		0.595	ND		0.615	ND		0.580	0.724		0.613
Sodium	277		119	225		123	299		116	808		123
Thallium	0.535		0.119	0.550		0.123	0.600		0.116	0.926		0.123
Vanadium	17.6		2.38	30.7		2.46	33.6		2.32	41.9		2.45
Zinc	40.7		2.38	33.0		2.46	87.8		2.32	190		2.45
General Analytical												
Total Cyanide(mg/Kg-ppm)	ND		1.20	ND		1.23	ND		1.16	ND		1.23

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2506.D

GC/MS Column: DB-624
Sample wt/vol: 0.038g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.3

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.725
Chloromethane	ND		0.725
Vinyl Chloride	ND		0.725
Bromomethane	ND		0.725
Chloroethane	ND		0.725
Trichlorofluoromethane	ND		0.725
1,1-Dichloroethene	ND		0.725
Acetone	ND		1.45
Carbon Disulfide	ND		0.725
Methylene Chloride	ND		0.725
trans-1,2-Dichloroethene	ND		0.725
Methyl-t-Butyl Ether(MTBE)	ND		0.725
1,1-Dichloroethane	ND		0.725
cis-1,2-Dichloroethene	ND		0.725
2-Butanone(MEK)	ND		1.45
Bromochloromethane	ND		0.725
Chloroform	ND		0.725
1,1,1-Trichloroethane	ND		0.725
Carbon Tetrachloride	ND		0.725
1,2-Dichloroethane(EDC)	ND		0.725
Benzene	ND		0.725
Trichloroethene	ND		0.725
1,2-Dichloropropane	ND		0.725
Bromodichloromethane	ND		0.725
cis-1,3-Dichloropropene	ND		0.725
4-Methyl-2-pentanone(MIBK)	ND		1.45

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2506.D

GC/MS Column: DB-624
Sample wt/vol: 0.038g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.3

Compound	Concentration	Q	MDL
Toluene	ND		0.725
trans-1,3-Dichloropropene	ND		0.725
1,1,2-Trichloroethane	ND		0.725
Tetrachloroethene	ND		0.725
2-Hexanone	ND		1.45
Dibromochloromethane	ND		0.725
1,2-Dibromoethane(EDB)	ND		0.725
Chlorobenzene	ND		0.725
Ethylbenzene	ND		0.725
Total Xylenes	ND		0.725
Styrene	ND		0.725
Bromoform	ND		0.725
Isopropylbenzene	ND		0.725
1,1,2,2-Tetrachloroethane	ND		0.725
1,3-Dichlorobenzene	ND		0.725
1,4-Dichlorobenzene	ND		0.725
1,2-Dichlorobenzene	ND		0.725
1,2-Dibromo-3-chloropropane	ND		0.725
1,2,4-Trichlorobenzene	ND		0.725
1,2,3-Trichlorobenzene	ND		0.725
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.725
Methyl Acetate	11.7		0.725
Cyclohexane	ND		0.725
Methylcyclohexane	ND		0.725

Total Target Compounds: 11.7

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Date File: I2506.D

GC/MS Column: DB-624
Sample wt/vol: 0.038g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.3

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown alkane	7.60	11.54

Total TICs = 7.60

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/11-11.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2507.D

GC/MS Column: DB-624
Sample wt/vol: 0.041g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.734
Chloromethane	ND		0.734
Vinyl Chloride	ND		0.734
Bromomethane	ND		0.734
Chloroethane	ND		0.734
Trichlorofluoromethane	ND		0.734
1,1-Dichloroethene	ND		0.734
Acetone	ND		1.47
Carbon Disulfide	ND		0.734
Methylene Chloride	ND		0.734
trans-1,2-Dichloroethene	ND		0.734
Methyl-t-Butyl Ether(MTBE)	ND		0.734
1,1-Dichloroethane	ND		0.734
cis-1,2-Dichloroethene	ND		0.734
2-Butanone(MEK)	ND		1.47
Bromochloromethane	ND		0.734
Chloroform	ND		0.734
1,1,1-Trichloroethane	ND		0.734
Carbon Tetrachloride	ND		0.734
1,2-Dichloroethane(EDC)	ND		0.734
Benzene	ND		0.734
Trichloroethene	ND		0.734
1,2-Dichloropropane	ND		0.734
Bromodichloromethane	ND		0.734
cis-1,3-Dichloropropene	ND		0.734
4-Methyl-2-pentanone(MIBK)	ND		1.47

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/11-11.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2507.D

GC/MS Column: DB-624
Sample wt/vol: 0.041g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

Compound	Concentration	Q	MDL
Toluene	ND		0.734
trans-1,3-Dichloropropene	ND		0.734
1,1,2-Trichloroethane	ND		0.734
Tetrachloroethene	ND		0.734
2-Hexanone	ND		1.47
Dibromochloromethane	ND		0.734
1,2-Dibromoethane(EDB)	ND		0.734
Chlorobenzene	ND		0.734
Ethylbenzene	ND		0.734
Total Xylenes	ND		0.734
Styrene	ND		0.734
Bromoform	ND		0.734
Isopropylbenzene	ND		0.734
1,1,2,2-Tetrachloroethane	ND		0.734
1,3-Dichlorobenzene	ND		0.734
1,4-Dichlorobenzene	ND		0.734
1,2-Dichlorobenzene	ND		0.734
1,2-Dibromo-3-chloropropane	ND		0.734
1,2,4-Trichlorobenzene	ND		0.734
1,2,3-Trichlorobenzene	ND		0.734
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.734
Methyl Acetate	ND		0.734
Cyclohexane	ND		0.734
Methylcyclohexane	ND		0.734

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/11-11.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2507.D

GC/MS Column: DB-624
Sample wt/vol: 0.041g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/14-14.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2508.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.670
Chloromethane	ND		0.670
Vinyl Chloride	ND		0.670
Bromomethane	ND		0.670
Chloroethane	ND		0.670
Trichlorofluoromethane	ND		0.670
1,1-Dichloroethene	ND		0.670
Acetone	ND		1.34
Carbon Disulfide	ND		0.670
Methylene Chloride	ND		0.670
trans-1,2-Dichloroethene	ND		0.670
Methyl-t-Butyl Ether(MTBE)	ND		0.670
1,1-Dichloroethane	ND		0.670
cis-1,2-Dichloroethene	ND		0.670
2-Butanone(MEK)	ND		1.34
Bromochloromethane	ND		0.670
Chloroform	ND		0.670
1,1,1-Trichloroethane	ND		0.670
Carbon Tetrachloride	ND		0.670
1,2-Dichloroethane(EDC)	ND		0.670
Benzene	ND		0.670
Trichloroethene	ND		0.670
1,2-Dichloropropane	ND		0.670
Bromodichloromethane	ND		0.670
cis-1,3-Dichloropropene	ND		0.670
4-Methyl-2-pentanone(MIBK)	ND		1.34

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/14-14.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2508.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

Compound	Concentration	Q	MDL
Toluene	ND		0.670
trans-1,3-Dichloropropene	ND		0.670
1,1,2-Trichloroethane	ND		0.670
Tetrachloroethene	ND		0.670
2-Hexanone	ND		1.34
Dibromochloromethane	ND		0.670
1,2-Dibromoethane(EDB)	ND		0.670
Chlorobenzene	ND		0.670
Ethylbenzene	ND		0.670
Total Xylenes	ND		0.670
Styrene	ND		0.670
Bromoform	ND		0.670
Isopropylbenzene	ND		0.670
1,1,2,2-Tetrachloroethane	ND		0.670
1,3-Dichlorobenzene	ND		0.670
1,4-Dichlorobenzene	ND		0.670
1,2-Dichlorobenzene	ND		0.670
1,2-Dibromo-3-chloropropane	ND		0.670
1,2,4-Trichlorobenzene	ND		0.670
1,2,3-Trichlorobenzene	ND		0.670
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.670
Methyl Acetate	ND		0.670
Cyclohexane	ND		0.670
Methylcyclohexane	ND		0.670

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/14-14.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2508.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2509.D

GC/MS Column: DB-624
Sample wt/vol: 0.044g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.661
Chloromethane	ND		0.661
Vinyl Chloride	ND		0.661
Bromomethane	ND		0.661
Chloroethane	ND		0.661
Trichlorofluoromethane	ND		0.661
1,1-Dichloroethene	ND		0.661
Acetone	ND		1.32
Carbon Disulfide	ND		0.661
Methylene Chloride	ND		0.661
trans-1,2-Dichloroethene	ND		0.661
Methyl-t-Butyl Ether(MTBE)	ND		0.661
1,1-Dichloroethane	ND		0.661
cis-1,2-Dichloroethene	ND		0.661
2-Butanone(MEK)	ND		1.32
Bromochloromethane	ND		0.661
Chloroform	ND		0.661
1,1,1-Trichloroethane	ND		0.661
Carbon Tetrachloride	ND		0.661
1,2-Dichloroethane(EDC)	ND		0.661
Benzene	ND		0.661
Trichloroethene	ND		0.661
1,2-Dichloropropane	ND		0.661
Bromodichloromethane	ND		0.661
cis-1,3-Dichloropropene	ND		0.661
4-Methyl-2-pentanone(MIBK)	ND		1.32

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2509.D

GC/MS Column: DB-624
Sample wt/vol: 0.044g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14

Compound	Concentration	Q	MDL
Toluene	ND		0.661
trans-1,3-Dichloropropene	ND		0.661
1,1,2-Trichloroethane	ND		0.661
Tetrachloroethene	ND		0.661
2-Hexanone	ND		1.32
Dibromochloromethane	ND		0.661
1,2-Dibromoethane(EDB)	ND		0.661
Chlorobenzene	ND		0.661
Ethylbenzene	ND		0.661
Total Xylenes	ND		0.661
Styrene	ND		0.661
Bromoform	ND		0.661
Isopropylbenzene	ND		0.661
1,1,2,2-Tetrachloroethane	ND		0.661
1,3-Dichlorobenzene	ND		0.661
1,4-Dichlorobenzene	ND		0.661
1,2-Dichlorobenzene	ND		0.661
1,2-Dibromo-3-chloropropane	ND		0.661
1,2,4-Trichlorobenzene	ND		0.661
1,2,3-Trichlorobenzene	ND		0.661
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.661
Methyl Acetate	ND		0.661
Cyclohexane	ND		0.661
Methylcyclohexane	ND		0.661

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2509.D

GC/MS Column: DB-624
Sample wt/vol: 0.044g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/12-12.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2510.D

GC/MS Column: DB-624
Sample wt/vol: 0.042g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.714
Chloromethane	ND		0.714
Vinyl Chloride	ND		0.714
Bromomethane	ND		0.714
Chloroethane	ND		0.714
Trichlorofluoromethane	ND		0.714
1,1-Dichloroethene	ND		0.714
Acetone	ND		1.43
Carbon Disulfide	ND		0.714
Methylene Chloride	ND		0.714
trans-1,2-Dichloroethene	ND		0.714
Methyl-t-Butyl Ether(MTBE)	ND		0.714
1,1-Dichloroethane	ND		0.714
cis-1,2-Dichloroethene	ND		0.714
2-Butanone(MEK)	ND		1.43
Bromochloromethane	ND		0.714
Chloroform	ND		0.714
1,1,1-Trichloroethane	ND		0.714
Carbon Tetrachloride	ND		0.714
1,2-Dichloroethane(EDC)	ND		0.714
Benzene	ND		0.714
Trichloroethene	ND		0.714
1,2-Dichloropropane	ND		0.714
Bromodichloromethane	ND		0.714
cis-1,3-Dichloropropene	ND		0.714
4-Methyl-2-pentanone(MIBK)	ND		1.43

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/12-12.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2510.D

GC/MS Column: DB-624
Sample wt/vol: 0.042g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
Toluene	1.81		0.714
trans-1,3-Dichloropropene	ND		0.714
1,1,2-Trichloroethane	ND		0.714
Tetrachloroethene	ND		0.714
2-Hexanone	ND		1.43
Dibromochloromethane	ND		0.714
1,2-Dibromoethane(EDB)	ND		0.714
Chlorobenzene	ND		0.714
Ethylbenzene	4.15		0.714
Total Xylenes	33.9		0.714
Styrene	2.38		0.714
Bromoform	ND		0.714
Isopropylbenzene	0.739		0.714
1,1,2,2-Tetrachloroethane	ND		0.714
1,3-Dichlorobenzene	ND		0.714
1,4-Dichlorobenzene	ND		0.714
1,2-Dichlorobenzene	ND		0.714
1,2-Dibromo-3-chloropropane	ND		0.714
1,2,4-Trichlorobenzene	ND		0.714
1,2,3-Trichlorobenzene	ND		0.714
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.714
Methyl Acetate	ND		0.714
Cyclohexane	ND		0.714
Methylcyclohexane	ND		0.714

Total Target Compounds: 43.0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/12-12.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Date File: I2510.D

GC/MS Column: DB-624
Sample wt/vol: 0.042g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown alkane	20.7	17.05
	Unknown alkane	43.6	17.14
	Substituted benzene	15.4	17.69
	Substituted benzene	10.0	18.61
	Unknown alkane	55.4	18.75
	Substituted benzene	10.0	19.71
	Unknown alkane	40.8	20.20
	Unknown aromatic	17.1	21.34
	Unknown alkane	19.0	21.78
	Unknown aromatic	12.2	23.46

Total TICs = 244

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SB-W13-19/19-19.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2517.D

GC/MS Column: DB-624
Sample wt/vol: 0.037g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.834
Chloromethane	ND		0.834
Vinyl Chloride	ND		0.834
Bromomethane	ND		0.834
Chloroethane	ND		0.834
Trichlorofluoromethane	ND		0.834
1,1-Dichloroethene	ND		0.834
Acetone	ND		1.67
Carbon Disulfide	ND		0.834
Methylene Chloride	ND		0.834
trans-1,2-Dichloroethene	ND		0.834
Methyl-t-Butyl Ether(MTBE)	ND		0.834
1,1-Dichloroethane	ND		0.834
cis-1,2-Dichloroethene	ND		0.834
2-Butanone(MEK)	ND		1.67
Bromochloromethane	ND		0.834
Chloroform	ND		0.834
1,1,1-Trichloroethane	ND		0.834
Carbon Tetrachloride	ND		0.834
1,2-Dichloroethane(EDC)	ND		0.834
Benzene	ND		0.834
Trichloroethene	ND		0.834
1,2-Dichloropropane	ND		0.834
Bromodichloromethane	ND		0.834
cis-1,3-Dichloropropene	ND		0.834
4-Methyl-2-pentanone(MIBK)	ND		1.67

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SB-W13-19/19-19.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2517.D

GC/MS Column: DB-624
Sample wt/vol: 0.037g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19

Compound	Concentration	Q	MDL
Toluene	ND		0.834
trans-1,3-Dichloropropene	ND		0.834
1,1,2-Trichloroethane	ND		0.834
Tetrachloroethene	ND		0.834
2-Hexanone	ND		1.67
Dibromochloromethane	ND		0.834
1,2-Dibromoethane(EDB)	ND		0.834
Chlorobenzene	ND		0.834
Ethylbenzene	ND		0.834
Total Xylenes	ND		0.834
Styrene	ND		0.834
Bromoform	ND		0.834
Isopropylbenzene	ND		0.834
1,1,2,2-Tetrachloroethane	ND		0.834
1,3-Dichlorobenzene	ND		0.834
1,4-Dichlorobenzene	ND		0.834
1,2-Dichlorobenzene	ND		0.834
1,2-Dibromo-3-chloropropane	ND		0.834
1,2,4-Trichlorobenzene	ND		0.834
1,2,3-Trichlorobenzene	ND		0.834
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.834
Methyl Acetate	ND		0.834
Cyclohexane	ND		0.834
Methylcyclohexane	ND		0.834

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SB-W13-19/19-19.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2517.D

GC/MS Column: DB-624
Sample wt/vol: 0.037g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2518.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.644
Chloromethane	ND		0.644
Vinyl Chloride	ND		0.644
Bromomethane	ND		0.644
Chloroethane	ND		0.644
Trichlorofluoromethane	ND		0.644
1,1-Dichloroethene	ND		0.644
Acetone	ND		1.29
Carbon Disulfide	ND		0.644
Methylene Chloride	ND		0.644
trans-1,2-Dichloroethene	ND		0.644
Methyl-t-Butyl Ether(MTBE)	ND		0.644
1,1-Dichloroethane	ND		0.644
cis-1,2-Dichloroethene	ND		0.644
2-Butanone(MEK)	ND		1.29
Bromochloromethane	ND		0.644
Chloroform	ND		0.644
1,1,1-Trichloroethane	ND		0.644
Carbon Tetrachloride	ND		0.644
1,2-Dichloroethane(EDC)	ND		0.644
Benzene	ND		0.644
Trichloroethene	ND		0.644
1,2-Dichloropropane	ND		0.644
Bromodichloromethane	ND		0.644
cis-1,3-Dichloropropene	ND		0.644
4-Methyl-2-pentanone(MIBK)	ND		1.29

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2518.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

Compound	Concentration	Q	MDL
Toluene	ND		0.644
trans-1,3-Dichloropropene	ND		0.644
1,1,2-Trichloroethane	ND		0.644
Tetrachloroethene	ND		0.644
2-Hexanone	ND		1.29
Dibromochloromethane	ND		0.644
1,2-Dibromoethane(EDB)	ND		0.644
Chlorobenzene	ND		0.644
Ethylbenzene	ND		0.644
Total Xylenes	ND		0.644
Styrene	ND		0.644
Bromoform	ND		0.644
Isopropylbenzene	ND		0.644
1,1,2,2-Tetrachloroethane	ND		0.644
1,3-Dichlorobenzene	ND		0.644
1,4-Dichlorobenzene	ND		0.644
1,2-Dichlorobenzene	ND		0.644
1,2-Dibromo-3-chloropropane	ND		0.644
1,2,4-Trichlorobenzene	ND		0.644
1,2,3-Trichlorobenzene	ND		0.644
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.644
Methyl Acetate	ND		0.644
Cyclohexane	ND		0.644
Methylcyclohexane	ND		0.644

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/0-0.5
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2518.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.5/11.5-12
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2513.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.768
Chloromethane	ND		0.768
Vinyl Chloride	ND		0.768
Bromomethane	ND		0.768
Chloroethane	ND		0.768
Trichlorofluoromethane	ND		0.768
1,1-Dichloroethene	ND		0.768
Acetone	ND		1.54
Carbon Disulfide	ND		0.768
Methylene Chloride	ND		0.768
trans-1,2-Dichloroethene	ND		0.768
Methyl-t-Butyl Ether(MTBE)	ND		0.768
1,1-Dichloroethane	ND		0.768
cis-1,2-Dichloroethene	ND		0.768
2-Butanone(MEK)	ND		1.54
Bromochloromethane	ND		0.768
Chloroform	ND		0.768
1,1,1-Trichloroethane	ND		0.768
Carbon Tetrachloride	ND		0.768
1,2-Dichloroethane(EDC)	ND		0.768
Benzene	ND		0.768
Trichloroethene	ND		0.768
1,2-Dichloropropane	ND		0.768
Bromodichloromethane	ND		0.768
cis-1,3-Dichloropropene	ND		0.768
4-Methyl-2-pentanone(MIBK)	ND		1.54

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.5/11.5-12
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2513.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

Compound	Concentration	Q	MDL
Toluene	ND		0.768
trans-1,3-Dichloropropene	ND		0.768
1,1,2-Trichloroethane	ND		0.768
Tetrachloroethene	ND		0.768
2-Hexanone	ND		1.54
Dibromochloromethane	ND		0.768
1,2-Dibromoethane(EDB)	ND		0.768
Chlorobenzene	ND		0.768
Ethylbenzene	ND		0.768
Total Xylenes	ND		0.768
Styrene	ND		0.768
Bromoform	ND		0.768
Isopropylbenzene	ND		0.768
1,1,2,2-Tetrachloroethane	ND		0.768
1,3-Dichlorobenzene	ND		0.768
1,4-Dichlorobenzene	ND		0.768
1,2-Dichlorobenzene	ND		0.768
1,2-Dibromo-3-chloropropane	ND		0.768
1,2,4-Trichlorobenzene	ND		0.768
1,2,3-Trichlorobenzene	ND		0.768
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.768
Methyl Acetate	ND		0.768
Cyclohexane	ND		0.768
Methylcyclohexane	ND		0.768

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.5/11.5-12
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2513.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.5/16.5-17.0
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2514.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.654
Chloromethane	ND		0.654
Vinyl Chloride	ND		0.654
Bromomethane	ND		0.654
Chloroethane	ND		0.654
Trichlorofluoromethane	ND		0.654
1,1-Dichloroethene	ND		0.654
Acetone	ND		1.31
Carbon Disulfide	ND		0.654
Methylene Chloride	ND		0.654
trans-1,2-Dichloroethene	ND		0.654
Methyl-t-Butyl Ether(MTBE)	ND		0.654
1,1-Dichloroethane	ND		0.654
cis-1,2-Dichloroethene	ND		0.654
2-Butanone(MEK)	ND		1.31
Bromochloromethane	ND		0.654
Chloroform	ND		0.654
1,1,1-Trichloroethane	ND		0.654
Carbon Tetrachloride	ND		0.654
1,2-Dichloroethane(EDC)	ND		0.654
Benzene	ND		0.654
Trichloroethene	ND		0.654
1,2-Dichloropropane	ND		0.654
Bromodichloromethane	ND		0.654
cis-1,3-Dichloropropene	ND		0.654
4-Methyl-2-pentanone(MIBK)	ND		1.31

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.5/16.5-17.0
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2514.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15

Compound	Concentration	Q	MDL
Toluene	ND		0.654
trans-1,3-Dichloropropene	ND		0.654
1,1,2-Trichloroethane	ND		0.654
Tetrachloroethene	ND		0.654
2-Hexanone	ND		1.31
Dibromochloromethane	ND		0.654
1,2-Dibromoethane(EDB)	ND		0.654
Chlorobenzene	ND		0.654
Ethylbenzene	ND		0.654
Total Xylenes	ND		0.654
Styrene	ND		0.654
Bromoform	ND		0.654
Isopropylbenzene	ND		0.654
1,1,2,2-Tetrachloroethane	ND		0.654
1,3-Dichlorobenzene	ND		0.654
1,4-Dichlorobenzene	ND		0.654
1,2-Dichlorobenzene	ND		0.654
1,2-Dibromo-3-chloropropane	ND		0.654
1,2,4-Trichlorobenzene	ND		0.654
1,2,3-Trichlorobenzene	ND		0.654
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.654
Methyl Acetate	ND		0.654
Cyclohexane	ND		0.654
Methylcyclohexane	ND		0.654

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.5/16.5-17.0
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2514.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD_BLANK
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2504.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.005
Chloromethane	ND		0.005
Vinyl Chloride	ND		0.005
Bromomethane	ND		0.005
Chloroethane	ND		0.005
Trichlorofluoromethane	ND		0.005
1,1-Dichloroethene	ND		0.005
Acetone	ND		0.010
Carbon Disulfide	ND		0.005
Methylene Chloride	ND		0.005
trans-1,2-Dichloroethene	ND		0.005
Methyl-t-Butyl Ether(MTBE)	ND		0.005
1,1-Dichloroethane	ND		0.005
cis-1,2-Dichloroethene	ND		0.005
2-Butanone(MEK)	ND		0.010
Bromochloromethane	ND		0.005
Chloroform	ND		0.005
1,1,1-Trichloroethane	ND		0.005
Carbon Tetrachloride	ND		0.005
1,2-Dichloroethane(EDC)	ND		0.005
Benzene	ND		0.005
Trichloroethene	ND		0.005
1,2-Dichloropropane	ND		0.005
Bromodichloromethane	ND		0.005
cis-1,3-Dichloropropene	ND		0.005
4-Methyl-2-pentanone(MIBK)	ND		0.010

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD_BLANK
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2504.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Toluene	ND		0.005
trans-1,3-Dichloropropene	ND		0.005
1,1,2-Trichloroethane	ND		0.005
Tetrachloroethene	ND		0.005
2-Hexanone	ND		0.010
Dibromochloromethane	ND		0.005
1,2-Dibromoethane(EDB)	ND		0.005
Chlorobenzene	ND		0.005
Ethylbenzene	ND		0.005
Total Xylenes	ND		0.005
Styrene	ND		0.005
Bromoform	ND		0.005
Isopropylbenzene	ND		0.005
1,1,2,2-Tetrachloroethane	ND		0.005
1,3-Dichlorobenzene	ND		0.005
1,4-Dichlorobenzene	ND		0.005
1,2-Dichlorobenzene	ND		0.005
1,2-Dibromo-3-chloropropane	ND		0.005
1,2,4-Trichlorobenzene	ND		0.005
1,2,3-Trichlorobenzene	ND		0.005
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.005
Methyl Acetate	ND		0.005
Cyclohexane	ND		0.005
Methylcyclohexane	ND		0.005

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD_BLANK
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2504.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-011
Client ID: TRIP_BLANK
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2505.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NC

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.625
Chloromethane	ND		0.625
Vinyl Chloride	ND		0.625
Bromomethane	ND		0.625
Chloroethane	ND		0.625
Trichlorofluoromethane	ND		0.625
1,1-Dichloroethene	ND		0.625
Acetone	ND		1.25
Carbon Disulfide	ND		0.625
Methylene Chloride	ND		0.625
trans-1,2-Dichloroethene	ND		0.625
Methyl-t-Butyl Ether(MTBE)	ND		0.625
1,1-Dichloroethane	ND		0.625
cis-1,2-Dichloroethene	ND		0.625
2-Butanone(MEK)	ND		1.25
Bromochloromethane	ND		0.625
Chloroform	ND		0.625
1,1,1-Trichloroethane	ND		0.625
Carbon Tetrachloride	ND		0.625
1,2-Dichloroethane(EDC)	ND		0.625
Benzene	ND		0.625
Trichloroethene	ND		0.625
1,2-Dichloropropane	ND		0.625
Bromodichloromethane	ND		0.625
cis-1,3-Dichloropropene	ND		0.625
4-Methyl-2-pentanone(MIBK)	ND		1.25

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-011
Client ID: TRIP_BLANK
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2505.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NC

Compound	Concentration	Q	MDL
Toluene	ND		0.625
trans-1,3-Dichloropropene	ND		0.625
1,1,2-Trichloroethane	ND		0.625
Tetrachloroethene	ND		0.625
2-Hexanone	ND		1.25
Dibromochloromethane	ND		0.625
1,2-Dibromoethane(EDB)	ND		0.625
Chlorobenzene	ND		0.625
Ethylbenzene	ND		0.625
Total Xylenes	ND		0.625
Styrene	ND		0.625
Bromoform	ND		0.625
Isopropylbenzene	ND		0.625
1,1,2,2-Tetrachloroethane	ND		0.625
1,3-Dichlorobenzene	ND		0.625
1,4-Dichlorobenzene	ND		0.625
1,2-Dichlorobenzene	ND		0.625
1,2-Dibromo-3-chloropropane	ND		0.625
1,2,4-Trichlorobenzene	ND		0.625
1,2,3-Trichlorobenzene	ND		0.625
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.625
Methyl Acetate	ND		0.625
Cyclohexane	ND		0.625
Methylcyclohexane	ND		0.625

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-011
Client ID: TRIP_BLANK
Date Received: 02/14/2003
Date Analyzed: 02/19/2003
Data file: I2505.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NC

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5285.D

GC/MS Column: DB-5
Sample wt/vol: 10.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.30

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.101
Phenol	ND		0.101
bis(2-Chloroethyl)ether	ND		0.101
2-Chlorophenol	ND		0.101
2-Methylphenol	ND		0.101
bis(2-chloroisopropyl)ether	ND		0.101
4-Methylphenol	ND		0.101
N-Nitroso-di-n-propylamine	ND		0.101
Acetophenone	ND		0.101
Hexachloroethane	ND		0.101
Nitrobenzene	ND		0.101
Isophorone	ND		0.101
2-Nitrophenol	ND		0.101
2,4-Dimethylphenol	ND		0.101
bis(2-Chloroethoxy)methane	ND		0.101
2,4-Dichlorophenol	ND		0.101
Naphthalene	ND		0.101
4-Chloroaniline	ND		0.101
Hexachlorobutadiene	ND		0.101
Caprolactam	ND		0.101
4-Chloro-3-methylphenol	ND		0.101
2-Methylnaphthalene	ND		0.101
Hexachlorocyclopentadiene	ND		0.101
2,4,6-Trichlorophenol	ND		0.101
2,4,5-Trichlorophenol	ND		0.101
1-1'-Biphenyl	ND		0.101
2-Chloronaphthalene	ND		0.101
2-Nitroaniline	ND		0.101
Dimethylphthalate	ND		0.101

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5285.D

GC/MS Column: DB-5
Sample wt/vol: 10.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.30

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.101
Acenaphthylene	ND		0.101
3-Nitroaniline	ND		0.101
Acenaphthene	ND		0.101
2,4-Dinitrophenol	ND		0.101
4-Nitrophenol	ND		0.101
2,4-Dinitrotoluene	ND		0.101
Dibenzofuran	ND		0.101
Diethylphthalate	ND		0.101
Fluorene	ND		0.101
4-Chlorophenyl-phenylether	ND		0.101
4-Nitroaniline	ND		0.101
1,2,4,5-Tetrachlorobenzene	ND		0.101
4,6-Dinitro-2-methylphenol	ND		0.101
N-Nitrosodiphenylamine	ND		0.101
4-Bromophenyl-phenylether	ND		0.101
Hexachlorobenzene	ND		0.101
Atrazine	ND		0.101
Pentachlorophenol	ND		0.101
Phenanthrene	0.387		0.101
Anthracene	0.089	J	0.101
Carbazole	ND		0.101
Di-n-butylphthalate	ND		0.101
Fluoranthene	0.645		0.101
Pyrene	0.551		0.101
Butylbenzylphthalate	ND		0.101
3,3'-Dichlorobenzidine	ND		0.101
Benzo[a]anthracene	0.413		0.101
Chrysene	0.412		0.101
bis(2-Ethylhexyl)phthalate	2.09		0.101
Di-n-octylphthalate	ND		0.101
Benzo[b]fluoranthene	0.306		0.101
Benzo[k]fluoranthene	0.300		0.101
Benzo[a]pyrene	0.370		0.101
Indeno[1,2,3-cd]pyrene	0.217		0.101
Dibenz[a,h]anthracene	0.128		0.101
Benzo[g,h,i]perylene	0.276		0.101

Total Target Compounds: 6.18 J

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Date File: C5285.D

GC/MS Column: DB-5
Sample wt/vol: 10.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.30

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown hydrocarbon	6.9	2.02
	Unknown aromatic	0.816	5.44
	Substituted phthalate	0.454	5.68
	Unknown	0.585	8.00
	Unknown	0.504	9.17

Total TICs = 9.259

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/11-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5286.D

GC/MS Column: DB-5
Sample wt/vol: 10.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.118
Phenol	ND		0.118
bis(2-Chloroethyl)ether	ND		0.118
2-Chlorophenol	ND		0.118
2-Methylphenol	ND		0.118
bis(2-chloroisopropyl)ether	ND		0.118
4-Methylphenol	ND		0.118
N-Nitroso-di-n-propylamine	ND		0.118
Acetophenone	ND		0.118
Hexachloroethane	ND		0.118
Nitrobenzene	ND		0.118
Isophorone	ND		0.118
2-Nitrophenol	ND		0.118
2,4-Dimethylphenol	ND		0.118
bis(2-Chloroethoxy)methane	ND		0.118
2,4-Dichlorophenol	ND		0.118
Naphthalene	ND		0.118
4-Chloroaniline	ND		0.118
Hexachlorobutadiene	ND		0.118
Caprolactam	ND		0.118
4-Chloro-3-methylphenol	ND		0.118
2-Methylnaphthalene	ND		0.118
Hexachlorocyclopentadiene	ND		0.118
2,4,6-Trichlorophenol	ND		0.118
2,4,5-Trichlorophenol	ND		0.118
1-1'-Biphenyl	ND		0.118
2-Chloronaphthalene	ND		0.118
2-Nitroaniline	ND		0.118
Dimethylphthalate	ND		0.118

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/11-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5286.D

GC/MS Column: DB-5
Sample wt/vol: 10.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.118
Acenaphthylene	ND		0.118
3-Nitroaniline	ND		0.118
Acenaphthene	ND		0.118
2,4-Dinitrophenol	ND		0.118
4-Nitrophenol	ND		0.118
2,4-Dinitrotoluene	ND		0.118
Dibenzofuran	ND		0.118
Diethylphthalate	ND		0.118
Fluorene	ND		0.118
4-Chlorophenyl-phenylether	ND		0.118
4-Nitroaniline	ND		0.118
1,2,4,5-Tetrachlorobenzene	ND		0.118
4,6-Dinitro-2-methylphenol	ND		0.118
N-Nitrosodiphenylamine	ND		0.118
4-Bromophenyl-phenylether	ND		0.118
Hexachlorobenzene	ND		0.118
Atrazine	ND		0.118
Pentachlorophenol	ND		0.118
Phenanthrene	0.251		0.118
Anthracene	ND		0.118
Carbazole	ND		0.118
Di-n-butylphthalate	ND		0.118
Fluoranthene	0.356		0.118
Pyrene	0.335		0.118
Butylbenzylphthalate	ND		0.118
3,3'-Dichlorobenzidine	ND		0.118
Benzo[a]anthracene	0.187		0.118
Chrysene	0.212		0.118
bis(2-Ethylhexyl)phthalate	0.167		0.118
Di-n-octylphthalate	ND		0.118
Benzo[b]fluoranthene	0.131		0.118
Benzo[k]fluoranthene	0.107	J	0.118
Benzo[a]pyrene	0.127		0.118
Indeno[1,2,3-cd]pyrene	0.083	J	0.118
Dibenz[a,h]anthracene	ND		0.118
Benzo[g,h,i]perylene	0.084	J	0.118
Total Target Compounds:	2.04	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/11-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5286.D

GC/MS Column: DB-5
Sample wt/vol: 10.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/14-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5287.D

GC/MS Column: DB-5
Sample wt/vol: 10.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.110
Phenol	ND		0.110
bis(2-Chloroethyl)ether	ND		0.110
2-Chlorophenol	ND		0.110
2-Methylphenol	ND		0.110
bis(2-chloroisopropyl)ether	ND		0.110
4-Methylphenol	ND		0.110
N-Nitroso-di-n-propylamine	ND		0.110
Acetophenone	ND		0.110
Hexachloroethane	ND		0.110
Nitrobenzene	ND		0.110
Isophorone	ND		0.110
2-Nitrophenol	ND		0.110
2,4-Dimethylphenol	ND		0.110
bis(2-Chloroethoxy)methane	ND		0.110
2,4-Dichlorophenol	ND		0.110
Naphthalene	ND		0.110
4-Chloroaniline	ND		0.110
Hexachlorobutadiene	ND		0.110
Caprolactam	ND		0.110
4-Chloro-3-methylphenol	ND		0.110
2-Methylnaphthalene	ND		0.110
Hexachlorocyclopentadiene	ND		0.110
2,4,6-Trichlorophenol	ND		0.110
2,4,5-Trichlorophenol	ND		0.110
1-1'-Biphenyl	ND		0.110
2-Chloronaphthalene	ND		0.110
2-Nitroaniline	ND		0.110
Dimethylphthalate	ND		0.110

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/14-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5287.D

GC/MS Column: DB-5
Sample wt/vol: 10.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.110
Acenaphthylene	ND		0.110
3-Nitroaniline	ND		0.110
Acenaphthene	ND		0.110
2,4-Dinitrophenol	ND		0.110
4-Nitrophenol	ND		0.110
2,4-Dinitrotoluene	ND		0.110
Dibenzofuran	ND		0.110
Diethylphthalate	ND		0.110
Fluorene	ND		0.110
4-Chlorophenyl-phenylether	ND		0.110
4-Nitroaniline	ND		0.110
1,2,4,5-Tetrachlorobenzene	ND		0.110
4,6-Dinitro-2-methylphenol	ND		0.110
N-Nitrosodiphenylamine	ND		0.110
4-Bromophenyl-phenylether	ND		0.110
Hexachlorobenzene	ND		0.110
Atrazine	ND		0.110
Pentachlorophenol	ND		0.110
Phenanthrene	ND		0.110
Anthracene	ND		0.110
Carbazole	ND		0.110
Di-n-butylphthalate	ND		0.110
Fluoranthene	ND		0.110
Pyrene	ND		0.110
Butylbenzylphthalate	ND		0.110
3,3'-Dichlorobenzidine	ND		0.110
Benzo[a]anthracene	ND		0.110
Chrysene	ND		0.110
bis(2-Ethylhexyl)phthalate	ND		0.110
Di-n-octylphthalate	ND		0.110
Benzo[b]fluoranthene	ND		0.110
Benzo[k]fluoranthene	ND		0.110
Benzo[a]pyrene	ND		0.110
Indeno[1,2,3-cd]pyrene	ND		0.110
Dibenz[a,h]anthracene	ND		0.110
Benzo[g,h,i]perylene	ND		0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/14-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5287.D

GC/MS Column: DB-5
Sample wt/vol: 10.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5288.D

GC/MS Column: DB-5
Sample wt/vol: 10.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.0

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.112
Phenol	ND		0.112
bis(2-Chloroethyl)ether	ND		0.112
2-Chlorophenol	ND		0.112
2-Methylphenol	ND		0.112
bis(2-chloroisopropyl)ether	ND		0.112
4-Methylphenol	ND		0.112
N-Nitroso-di-n-propylamine	ND		0.112
Acetophenone	ND		0.112
Hexachloroethane	ND		0.112
Nitrobenzene	ND		0.112
Isophorone	ND		0.112
2-Nitrophenol	ND		0.112
2,4-Dimethylphenol	ND		0.112
bis(2-Chloroethoxy)methane	ND		0.112
2,4-Dichlorophenol	ND		0.112
Naphthalene	ND		0.112
4-Chloroaniline	ND		0.112
Hexachlorobutadiene	ND		0.112
Caprolactam	ND		0.112
4-Chloro-3-methylphenol	ND		0.112
2-Methylnaphthalene	ND		0.112
Hexachlorocyclopentadiene	ND		0.112
2,4,6-Trichlorophenol	ND		0.112
2,4,5-Trichlorophenol	ND		0.112
1-1'-Biphenyl	ND		0.112
2-Chloronaphthalene	ND		0.112
2-Nitroaniline	ND		0.112
Dimethylphthalate	ND		0.112

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5288.D

GC/MS Column: DB-5
Sample wt/vol: 10.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.0

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.112
Acenaphthylene	ND		0.112
3-Nitroaniline	ND		0.112
Acenaphthene	ND		0.112
2,4-Dinitrophenol	ND		0.112
4-Nitrophenol	ND		0.112
2,4-Dinitrotoluene	ND		0.112
Dibenzofuran	ND		0.112
Diethylphthalate	ND		0.112
Fluorene	ND		0.112
4-Chlorophenyl-phenylether	ND		0.112
4-Nitroaniline	ND		0.112
1,2,4,5-Tetrachlorobenzene	ND		0.112
4,6-Dinitro-2-methylphenol	ND		0.112
N-Nitrosodiphenylamine	ND		0.112
4-Bromophenyl-phenylether	ND		0.112
Hexachlorobenzene	ND		0.112
Atrazine	ND		0.112
Pentachlorophenol	ND		0.112
Phenanthrene	0.433		0.112
Anthracene	0.124		0.112
Carbazole	ND		0.112
Di-n-butylphthalate	ND		0.112
Fluoranthene	0.760		0.112
Pyrene	0.693		0.112
Butylbenzylphthalate	0.390		0.112
3,3'-Dichlorobenzidine	ND		0.112
Benzo[a]anthracene	0.478		0.112
Chrysene	0.515		0.112
bis(2-Ethylhexyl)phthalate	0.290		0.112
Di-n-octylphthalate	ND		0.112
Benzo[b]fluoranthene	0.425		0.112
Benzo[k]fluoranthene	0.367		0.112
Benzo[a]pyrene	0.462		0.112
Indeno[1,2,3-cd]pyrene	0.278		0.112
Dibenz[a,h]anthracene	0.135		0.112
Benzo[g,h,i]perylene	0.315		0.112

Total Target Compounds: 5.67

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5288.D

GC/MS Column: DB-5
Sample wt/vol: 10.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/12-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5295.D

GC/MS Column: DB-5
Sample wt/vol: 10.05g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 3
% Moisture: 16.6

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.358
Phenol	ND		0.358
bis(2-Chloroethyl)ether	ND		0.358
2-Chlorophenol	ND		0.358
2-Methylphenol	ND		0.358
bis(2-chloroisopropyl)ether	ND		0.358
4-Methylphenol	ND		0.358
N-Nitroso-di-n-propylamine	ND		0.358
Acetophenone	ND		0.358
Hexachloroethane	ND		0.358
Nitrobenzene	ND		0.358
Isophorone	ND		0.358
2-Nitrophenol	ND		0.358
2,4-Dimethylphenol	ND		0.358
bis(2-Chloroethoxy)methane	ND		0.358
2,4-Dichlorophenol	ND		0.358
Naphthalene	19.0		0.358
4-Chloroaniline	ND		0.358
Hexachlorobutadiene	ND		0.358
Caprolactam	ND		0.358
4-Chloro-3-methylphenol	ND		0.358
2-Methylnaphthalene	56.2		0.358
Hexachlorocyclopentadiene	ND		0.358
2,4,6-Trichlorophenol	ND		0.358
2,4,5-Trichlorophenol	ND		0.358
1-1'-Biphenyl	12.6		0.358
2-Chloronaphthalene	ND		0.358
2-Nitroaniline	ND		0.358
Dimethylphthalate	ND		0.358

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/12-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5295.D

GC/MS Column: DB-5
Sample wt/vol: 10.05g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 3
% Moisture: 16.6

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.358
Acenaphthylene	1.15		0.358
3-Nitroaniline	ND		0.358
Acenaphthene	7.15		0.358
2,4-Dinitrophenol	ND		0.358
4-Nitrophenol	ND		0.358
2,4-Dinitrotoluene	ND		0.358
Dibenzofuran	3.59		0.358
Diethylphthalate	ND		0.358
Fluorene	9.69		0.358
4-Chlorophenyl-phenylether	ND		0.358
4-Nitroaniline	ND		0.358
1,2,4,5-Tetrachlorobenzene	ND		0.358
4,6-Dinitro-2-methylphenol	ND		0.358
N-Nitrosodiphenylamine	ND		0.358
4-Bromophenyl-phenylether	ND		0.358
Hexachlorobenzene	ND		0.358
Atrazine	ND		0.358
Pentachlorophenol	ND		0.358
Phenanthrene	35.1		0.358
Anthracene	4.21		0.358
Carbazole	ND		0.358
Di-n-butylphthalate	ND		0.358
Fluoranthene	5.68		0.358
Pyrene	5.52		0.358
Butylbenzylphthalate	ND		0.358
3,3'-Dichlorobenzidine	ND		0.358
Benzo[a]anthracene	1.30		0.358
Chrysene	1.28		0.358
bis(2-Ethylhexyl)phthalate	ND		0.358
Di-n-octylphthalate	ND		0.358
Benzo[b]fluoranthene	0.395		0.358
Benzo[k]fluoranthene	0.578		0.358
Benzo[a]pyrene	0.577		0.358
Indeno[1,2,3-cd]pyrene	0.287	J	0.358
Dibenz[a,h]anthracene	ND		0.358
Benzo[g,h,i]perylene	0.309	J	0.358
Total Target Compounds:	165	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/12-1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Date File: C5295.D

GC/MS Column: DB-5
Sample wt/vol: 10.05g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 3
% Moisture: 16.6

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown alkane	1.9	2.23
000124-18-5	Decane	2.68	2.26
	Substituted benzene	1.83	2.27
	Substituted benzene	1.72	2.46
	Substituted benzene	1.54	2.76
000629-50-5	Tridecane	2.86	3.08
	Substituted naphthalene	11.7	3.43
	Substituted naphthalene	23	3.46
	Substituted naphthalene	5.83	3.75
	Substituted naphthalene	3.29	3.78

Total TICs = 56.35

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SB-W13-19/19-19.
Date Received: 02/14/2003
Date Extracted: 02/2200303
Date Analyzed: 02/21/2003
Data file: C5290.D

GC/MS Column: DB-5
Sample wt/vol: 10.41g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.0

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.119
Phenol	ND		0.119
bis(2-Chloroethyl)ether	ND		0.119
2-Chlorophenol	ND		0.119
2-Methylphenol	ND		0.119
bis(2-chloroisopropyl)ether	ND		0.119
4-Methylphenol	ND		0.119
N-Nitroso-di-n-propylamine	ND		0.119
Acetophenone	ND		0.119
Hexachloroethane	ND		0.119
Nitrobenzene	ND		0.119
Isophorone	ND		0.119
2-Nitrophenol	ND		0.119
2,4-Dimethylphenol	ND		0.119
bis(2-Chloroethoxy)methane	ND		0.119
2,4-Dichlorophenol	ND		0.119
Naphthalene	ND		0.119
4-Chloroaniline	ND		0.119
Hexachlorobutadiene	ND		0.119
Caprolactam	ND		0.119
4-Chloro-3-methylphenol	ND		0.119
2-Methylnaphthalene	ND		0.119
Hexachlorocyclopentadiene	ND		0.119
2,4,6-Trichlorophenol	ND		0.119
2,4,5-Trichlorophenol	ND		0.119
1-1'-Biphenyl	ND		0.119
2-Chloronaphthalene	ND		0.119
2-Nitroaniline	ND		0.119
Dimethylphthalate	ND		0.119

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SB-W13-19/19-19.
Date Received: 02/14/2003
Date Extracted: 02/2200303
Date Analyzed: 02/21/2003
Data file: C5290.D

GC/MS Column: DB-5
Sample wt/vol: 10.41g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.0

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.119
Acenaphthylene	ND		0.119
3-Nitroaniline	ND		0.119
Acenaphthene	ND		0.119
2,4-Dinitrophenol	ND		0.119
4-Nitrophenol	ND		0.119
2,4-Dinitrotoluene	ND		0.119
Dibenzofuran	ND		0.119
Diethylphthalate	ND		0.119
Fluorene	ND		0.119
4-Chlorophenyl-phenylether	ND		0.119
4-Nitroaniline	ND		0.119
1,2,4,5-Tetrachlorobenzene	ND		0.119
4,6-Dinitro-2-methylphenol	ND		0.119
N-Nitrosodiphenylamine	ND		0.119
4-Bromophenyl-phenylether	ND		0.119
Hexachlorobenzene	ND		0.119
Atrazine	ND		0.119
Pentachlorophenol	ND		0.119
Phenanthrene	ND		0.119
Anthracene	ND		0.119
Carbazole	ND		0.119
Di-n-butylphthalate	ND		0.119
Fluoranthene	ND		0.119
Pyrene	ND		0.119
Butylbenzylphthalate	ND		0.119
3,3'-Dichlorobenzidine	ND		0.119
Benzo[a]anthracene	ND		0.119
Chrysene	ND		0.119
bis(2-Ethylhexyl)phthalate	ND		0.119
Di-n-octylphthalate	ND		0.119
Benzo[b]fluoranthene	ND		0.119
Benzo[k]fluoranthene	ND		0.119
Benzo[a]pyrene	ND		0.119
Indeno[1,2,3-cd]pyrene	ND		0.119
Dibenz[a,h]anthracene	ND		0.119
Benzo[g,h,i]perylene	ND		0.119

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SB-W13-19/19-19.
Date Received: 02/14/2003
Date Extracted: 02/2200303
Date Analyzed: 02/21/2003
Data file: C5290.D

GC/MS Column: DB-5
Sample wt/vol: 10.41g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5291.D

GC/MS Column: DB-5
Sample wt/vol: 10.11g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.115
Phenol	ND		0.115
bis(2-Chloroethyl)ether	ND		0.115
2-Chlorophenol	ND		0.115
2-Methylphenol	ND		0.115
bis(2-chloroisopropyl)ether	ND		0.115
4-Methylphenol	ND		0.115
N-Nitroso-di-n-propylamine	ND		0.115
Acetophenone	ND		0.115
Hexachloroethane	ND		0.115
Nitrobenzene	ND		0.115
Isophorone	ND		0.115
2-Nitrophenol	ND		0.115
2,4-Dimethylphenol	ND		0.115
bis(2-Chloroethoxy)methane	ND		0.115
2,4-Dichlorophenol	ND		0.115
Naphthalene	0.327		0.115
4-Chloroaniline	ND		0.115
Hexachlorobutadiene	ND		0.115
Caprolactam	ND		0.115
4-Chloro-3-methylphenol	ND		0.115
2-Methylnaphthalene	0.197		0.115
Hexachlorocyclopentadiene	ND		0.115
2,4,6-Trichlorophenol	ND		0.115
2,4,5-Trichlorophenol	ND		0.115
1-1'-Biphenyl	ND		0.115
2-Chloronaphthalene	ND		0.115
2-Nitroaniline	ND		0.115
Dimethylphthalate	ND		0.115

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5291.D

GC/MS Column: DB-5
Sample wt/vol: 10.11g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.115
Acenaphthylene	0.705		0.115
3-Nitroaniline	ND		0.115
Acenaphthene	0.895		0.115
2,4-Dinitrophenol	ND		0.115
4-Nitrophenol	ND		0.115
2,4-Dinitrotoluene	ND		0.115
Dibenzofuran	0.328		0.115
Diethylphthalate	ND		0.115
Fluorene	0.776		0.115
4-Chlorophenyl-phenylether	ND		0.115
4-Nitroaniline	ND		0.115
1,2,4,5-Tetrachlorobenzene	ND		0.115
4,6-Dinitro-2-methylphenol	ND		0.115
N-Nitrosodiphenylamine	ND		0.115
4-Bromophenyl-phenylether	ND		0.115
Hexachlorobenzene	ND		0.115
Atrazine	ND		0.115
Pentachlorophenol	ND		0.115
Phenanthrene	5.37		0.115
Anthracene	2.00		0.115
Carbazole	0.640		0.115
Di-n-butylphthalate	ND		0.115
Fluoranthene	11.7		0.115
Pyrene	11.4		0.115
Butylbenzylphthalate	ND		0.115
3,3'-Dichlorobenzidine	ND		0.115
Benzo[a]anthracene	5.74		0.115
Chrysene	6.26		0.115
bis(2-Ethylhexyl)phthalate	0.130		0.115
Di-n-octylphthalate	ND		0.115
Benzo[b]fluoranthene	5.81		0.115
Benzo[k]fluoranthene	3.84		0.115
Benzo[a]pyrene	6.37		0.115
Indeno[1,2,3-cd]pyrene	3.79		0.115
Dibenz[a,h]anthracene	1.63		0.115
Benzo[g,h,i]perylene	3.74		0.115

Total Target Compounds: 71.6

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/0-0.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Date File: C5291.D

GC/MS Column: DB-5
Sample wt/vol: 10.11g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown aromatic	0.539	4.53
	Unknown aromatic	0.539	4.58
	Unknown aromatic	1.25	4.59
	Unknown aromatic	0.905	5.21
	Unknown aromatic	2.62	5.28
	Unknown aromatic	1.44	5.32
	Unknown aromatic	0.917	5.36
	Unknown aromatic	1.32	5.42
	Unknown aromatic	0.802	5.44
	Unknown aromatic	0.745	5.78
	Unknown aromatic	0.814	5.80
	Unknown aromatic	1.08	5.84
	Unknown aromatic	1.88	6.12
	Unknown aromatic	1.64	6.32
	Unknown aromatic	1.52	7.00
	Unknown aromatic	4.42	7.18
	Unknown aromatic	0.894	7.50
	Unknown aromatic	0.928	8.84
	Unknown aromatic	0.871	8.90
	Unknown aromatic	0.791	9.33

Total TICs = 25.915

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.5/11
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5292.D

GC/MS Column: DB-5
Sample wt/vol: 10.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.121
Phenol	ND		0.121
bis(2-Chloroethyl)ether	ND		0.121
2-Chlorophenol	ND		0.121
2-Methylphenol	ND		0.121
bis(2-chloroisopropyl)ether	ND		0.121
4-Methylphenol	ND		0.121
N-Nitroso-di-n-propylamine	ND		0.121
Acetophenone	ND		0.121
Hexachloroethane	ND		0.121
Nitrobenzene	ND		0.121
Isophorone	ND		0.121
2-Nitrophenol	ND		0.121
2,4-Dimethylphenol	ND		0.121
bis(2-Chloroethoxy)methane	ND		0.121
2,4-Dichlorophenol	ND		0.121
Naphthalene	ND		0.121
4-Chloroaniline	ND		0.121
Hexachlorobutadiene	ND		0.121
Caprolactam	ND		0.121
4-Chloro-3-methylphenol	ND		0.121
2-Methylnaphthalene	ND		0.121
Hexachlorocyclopentadiene	ND		0.121
2,4,6-Trichlorophenol	ND		0.121
2,4,5-Trichlorophenol	ND		0.121
1-1'-Biphenyl	ND		0.121
2-Chloronaphthalene	ND		0.121
2-Nitroaniline	ND		0.121
Dimethylphthalate	ND		0.121

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.5/11
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5292.D

GC/MS Column: DB-5
Sample wt/vol: 10.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.121
Acenaphthylene	ND		0.121
3-Nitroaniline	ND		0.121
Acenaphthene	ND		0.121
2,4-Dinitrophenol	ND		0.121
4-Nitrophenol	ND		0.121
2,4-Dinitrotoluene	ND		0.121
Dibenzofuran	ND		0.121
Diethylphthalate	ND		0.121
Fluorene	ND		0.121
4-Chlorophenyl-phenylether	ND		0.121
4-Nitroaniline	ND		0.121
1,2,4,5-Tetrachlorobenzene	ND		0.121
4,6-Dinitro-2-methylphenol	ND		0.121
N-Nitrosodiphenylamine	ND		0.121
4-Bromophenyl-phenylether	ND		0.121
Hexachlorobenzene	ND		0.121
Atrazine	ND		0.121
Pentachlorophenol	ND		0.121
Phenanthrene	0.221		0.121
Anthracene	0.091	J	0.121
Carbazole	ND		0.121
Di-n-butylphthalate	ND		0.121
Fluoranthene	0.343		0.121
Pyrene	0.302		0.121
Butylbenzylphthalate	ND		0.121
3,3'-Dichlorobenzidine	ND		0.121
Benzo[a]anthracene	0.200		0.121
Chrysene	0.215		0.121
bis(2-Ethylhexyl)phthalate	0.118	J	0.121
Di-n-octylphthalate	ND		0.121
Benzo[b]fluoranthene	0.140		0.121
Benzo[k]fluoranthene	0.118	J	0.121
Benzo[a]pyrene	0.165		0.121
Indeno[1,2,3-cd]pyrene	0.095	J	0.121
Dibenz[a,h]anthracene	ND		0.121
Benzo[g,h,i]perylene	0.097	J	0.121
Total Target Compounds:	2.11	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.5/11
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5292.D

GC/MS Column: DB-5
Sample wt/vol: 10.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.5/16
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5293.D

GC/MS Column: DB-5
Sample wt/vol: 10.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.111
Phenol	ND		0.111
bis(2-Chloroethyl)ether	ND		0.111
2-Chlorophenol	ND		0.111
2-Methylphenol	ND		0.111
bis(2-chloroisopropyl)ether	ND		0.111
4-Methylphenol	ND		0.111
N-Nitroso-di-n-propylamine	ND		0.111
Acetophenone	ND		0.111
Hexachloroethane	ND		0.111
Nitrobenzene	ND		0.111
Isophorone	ND		0.111
2-Nitrophenol	ND		0.111
2,4-Dimethylphenol	ND		0.111
bis(2-Chloroethoxy)methane	ND		0.111
2,4-Dichlorophenol	ND		0.111
Naphthalene	ND		0.111
4-Chloroaniline	ND		0.111
Hexachlorobutadiene	ND		0.111
Caprolactam	ND		0.111
4-Chloro-3-methylphenol	ND		0.111
2-Methylnaphthalene	ND		0.111
Hexachlorocyclopentadiene	ND		0.111
2,4,6-Trichlorophenol	ND		0.111
2,4,5-Trichlorophenol	ND		0.111
1-1'-Biphenyl	ND		0.111
2-Chloronaphthalene	ND		0.111
2-Nitroaniline	ND		0.111
Dimethylphthalate	ND		0.111

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.5/16
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5293.D

GC/MS Column: DB-5
Sample wt/vol: 10.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.111
Acenaphthylene	ND		0.111
3-Nitroaniline	ND		0.111
Acenaphthene	ND		0.111
2,4-Dinitrophenol	ND		0.111
4-Nitrophenol	ND		0.111
2,4-Dinitrotoluene	ND		0.111
Dibenzofuran	ND		0.111
Diethylphthalate	ND		0.111
Fluorene	ND		0.111
4-Chlorophenyl-phenylether	ND		0.111
4-Nitroaniline	ND		0.111
1,2,4,5-Tetrachlorobenzene	ND		0.111
4,6-Dinitro-2-methylphenol	ND		0.111
N-Nitrosodiphenylamine	ND		0.111
4-Bromophenyl-phenylether	ND		0.111
Hexachlorobenzene	ND		0.111
Atrazine	ND		0.111
Pentachlorophenol	ND		0.111
Phenanthrene	ND		0.111
Anthracene	ND		0.111
Carbazole	ND		0.111
Di-n-butylphthalate	ND		0.111
Fluoranthene	ND		0.111
Pyrene	ND		0.111
Butylbenzylphthalate	ND		0.111
3,3'-Dichlorobenzidine	ND		0.111
Benzo[a]anthracene	ND		0.111
Chrysene	ND		0.111
bis(2-Ethylhexyl)phthalate	ND		0.111
Di-n-octylphthalate	ND		0.111
Benzo[b]fluoranthene	ND		0.111
Benzo[k]fluoranthene	ND		0.111
Benzo[a]pyrene	ND		0.111
Indeno[1,2,3-cd]pyrene	ND		0.111
Dibenz[a,h]anthracene	ND		0.111
Benzo[g,h,i]perylene	ND		0.111

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.5/16
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5293.D

GC/MS Column: DB-5
Sample wt/vol: 10.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD-BLANK
Date Received: 02/14/2003
Date Extracted: 02/20/2003
Date Analyzed: 02/20/2003
Data file: B8286.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.00018
Phenol	ND		0.00015
bis(2-Chloroethyl)ether	ND		0.00024
2-Chlorophenol	ND		0.00012
2-Methylphenol	ND		0.00018
bis(2-chloroisopropyl)ether	ND		0.0002
4-Methylphenol	ND		0.0003
N-Nitroso-di-n-propylamine	ND		0.0002
Acetophenone	ND		0.00023
Hexachloroethane	ND		0.00019
Nitrobenzene	ND		0.00025
Isophorone	ND		0.00012
2-Nitrophenol	ND		0.00046
2,4-Dimethylphenol	ND		0.00022
bis(2-Chloroethoxy)methane	ND		0.00012
2,4-Dichlorophenol	ND		0.00021
Naphthalene	ND		0.00011
4-Chloroaniline	ND		0.00014
Hexachlorobutadiene	ND		0.00024
Caprolactam	ND		0.00038
4-Chloro-3-methylphenol	ND		0.00023
2-Methylnaphthalene	ND		0.00014
Hexachlorocyclopentadiene	ND		0.00033
2,4,6-Trichlorophenol	ND		0.00027
2,4,5-Trichlorophenol	ND		0.0003
1-1'-Biphenyl	ND		0.00012
2-Chloronaphthalene	ND		0.00012
2-Nitroaniline	ND		0.0005
Dimethylphthalate	ND		0.00019

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD-BLANK
Date Received: 02/14/2003
Date Extracted: 02/20/2003
Date Analyzed: 02/20/2003
Data file: B8286.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.00048
Acenaphthylene	ND		0.00018
3-Nitroaniline	ND		0.00032
Acenaphthene	ND		0.00017
2,4-Dinitrophenol	ND		0.00047
4-Nitrophenol	ND		0.00046
2,4-Dinitrotoluene	ND		0.00045
Dibenzofuran	ND		0.00012
Diethylphthalate	ND		0.00018
Fluorene	ND		0.00018
4-Chlorophenyl-phenylether	ND		0.00023
4-Nitroaniline	ND		0.00038
1,2,4,5-Tetrachlorobenzene	ND		0.00023
4,6-Dinitro-2-methylphenol	ND		0.00078
N-Nitrosodiphenylamine	ND		0.00015
4-Bromophenyl-phenylether	ND		0.00026
Hexachlorobenzene	ND		0.00019
Atrazine	ND		0.00028
Pentachlorophenol	ND		0.00049
Phenanthrene	ND		0.00011
Anthracene	ND		0.00014
Carbazole	ND		0.00017
Di-n-butylphthalate	ND		0.00016
Fluoranthene	ND		0.00019
Pyrene	ND		0.00014
Butylbenzylphthalate	ND		0.00031
3,3'-Dichlorobenzidine	ND		0.00043
Benzo[a]anthracene	ND		0.00015
Chrysene	ND		0.00014
bis(2-Ethylhexyl)phthalate	ND		0.00037
Di-n-octylphthalate	ND		0.00057
Benzo[b]fluoranthene	ND		0.00034
Benzo[k]fluoranthene	ND		0.00063
Benzo[a]pyrene	ND		0.0002
Indeno[1,2,3-cd]pyrene	ND		0.00051
Dibenz[a,h]anthracene	ND		0.00049
Benzo[g,h,i]perylene	ND		0.00031

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD-BLANK
Date Received: 02/14/2003
Date Extracted: 02/20/2003
Date Analyzed: 02/20/2003
Data file: B8286.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9569.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.58g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.30

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.016
Aroclor-1221	ND		0.016
Aroclor-1232	ND		0.016
Aroclor-1242	ND		0.016
Aroclor-1248	ND		0.016
Aroclor-1254	ND		0.016
Aroclor-1260	ND		0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9570.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.019
Aroclor-1221	ND		0.019
Aroclor-1232	ND		0.019
Aroclor-1242	ND		0.019
Aroclor-1248	ND		0.019
Aroclor-1254	ND		0.019
Aroclor-1260	ND		0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9571.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.91g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.016
Aroclor-1221	ND		0.016
Aroclor-1232	ND		0.016
Aroclor-1242	ND		0.016
Aroclor-1248	ND		0.016
Aroclor-1254	ND		0.016
Aroclor-1260	ND		0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9572.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.60g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.0

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.017
Aroclor-1221	ND		0.017
Aroclor-1232	ND		0.017
Aroclor-1242	ND		0.017
Aroclor-1248	ND		0.017
Aroclor-1254	ND		0.017
Aroclor-1260	ND		0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9573.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.019
Aroclor-1221	ND		0.019
Aroclor-1232	ND		0.019
Aroclor-1242	ND		0.019
Aroclor-1248	ND		0.019
Aroclor-1254	ND		0.019
Aroclor-1260	ND		0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SB-W13-19/
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9574.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.73g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.0

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.017
Aroclor-1221	ND		0.017
Aroclor-1232	ND		0.017
Aroclor-1242	ND		0.017
Aroclor-1248	ND		0.017
Aroclor-1254	ND		0.017
Aroclor-1260	ND		0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9575.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.018
Aroclor-1221	ND		0.018
Aroclor-1232	ND		0.018
Aroclor-1242	ND		0.018
Aroclor-1248	ND		0.018
Aroclor-1254	ND		0.018
Aroclor-1260	ND		0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9576.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.018
Aroclor-1221	ND		0.018
Aroclor-1232	ND		0.018
Aroclor-1242	ND		0.018
Aroclor-1248	ND		0.018
Aroclor-1254	ND		0.018
Aroclor-1260	ND		0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9577.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.017
Aroclor-1221	ND		0.017
Aroclor-1232	ND		0.017
Aroclor-1242	ND		0.017
Aroclor-1248	ND		0.017
Aroclor-1254	ND		0.017
Aroclor-1260	ND		0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD_BLANK
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: R9558.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 10
% Moisture: 100

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.200
Aroclor-1221	ND		0.200
Aroclor-1232	ND		0.200
Aroclor-1242	ND		0.200
Aroclor-1248	ND		0.200
Aroclor-1254	ND		0.200
Aroclor-1260	ND		0.200

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-001
Client ID: SB-T12-0/0-
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6905.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.58g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.30

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00395
beta-BHC	ND		0.00395
gamma-BHC	ND		0.00395
delta-BHC	ND		0.00395
Heptachlor	ND		0.00395
Aldrin	ND		0.00395
Heptachlor epoxide	ND		0.00395
Endosulfan I	ND		0.00395
4,4'-DDE	ND		0.00395
Dieldrin	ND		0.00395
Endrin	ND		0.00395
Endosulfan II	ND		0.00395
4,4'-DDD	ND		0.00395
Endrin aldehyde	ND		0.00395
Endosulfan sulfate	ND		0.00395
4,4'-DDT	ND		0.00395
Endrin ketone	ND		0.00395
Methoxychlor	ND		0.00395
alpha-Chlordane	ND		0.00395
gamma-Chlordane	ND		0.00395
Toxaphene	ND		0.020

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-002
Client ID: SB-T12-11/1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6906.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00464
beta-BHC	ND		0.00464
gamma-BHC	ND		0.00464
delta-BHC	ND		0.00464
Heptachlor	ND		0.00464
Aldrin	ND		0.00464
Heptachlor epoxide	ND		0.00464
Endosulfan I	ND		0.00464
4,4'-DDE	ND		0.00464
Dieldrin	ND		0.00464
Endrin	ND		0.00464
Endosulfan II	ND		0.00464
4,4'-DDD	ND		0.00464
Endrin aldehyde	ND		0.00464
Endosulfan sulfate	ND		0.00464
4,4'-DDT	ND		0.00464
Endrin ketone	ND		0.00464
Methoxychlor	ND		0.00464
alpha-Chlordane	ND		0.00464
gamma-Chlordane	ND		0.00464
Toxaphene	ND		0.023

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-003
Client ID: SB-T12-14/1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6907.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.91g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.1

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00408
beta-BHC	ND		0.00408
gamma-BHC	ND		0.00408
delta-BHC	ND		0.00408
Heptachlor	ND		0.00408
Aldrin	ND		0.00408
Heptachlor epoxide	ND		0.00408
Endosulfan I	ND		0.00408
4,4'-DDE	ND		0.00408
Dieldrin	ND		0.00408
Endrin	ND		0.00408
Endosulfan II	ND		0.00408
4,4'-DDD	ND		0.00408
Endrin aldehyde	ND		0.00408
Endosulfan sulfate	ND		0.00408
4,4'-DDT	ND		0.00408
Endrin ketone	ND		0.00408
Methoxychlor	ND		0.00408
alpha-Chlordane	ND		0.00408
gamma-Chlordane	ND		0.00408
Toxaphene	ND		0.020

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-004
Client ID: SB-W13-0/0-
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6908.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.60g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00415
beta-BHC	ND		0.00415
gamma-BHC	ND		0.00415
delta-BHC	ND		0.00415
Heptachlor	ND		0.00415
Aldrin	ND		0.00415
Heptachlor epoxide	ND		0.00415
Endosulfan I	ND		0.00415
4,4'-DDE	ND		0.00415
Dieldrin	ND		0.00415
Endrin	ND		0.00415
Endosulfan II	ND		0.00415
4,4'-DDD	ND		0.00415
Endrin aldehyde	ND		0.00415
Endosulfan sulfate	ND		0.00415
4,4'-DDT	ND		0.00415
Endrin ketone	ND		0.00415
Methoxychlor	ND		0.00415
alpha-Chlordane	ND		0.00415
gamma-Chlordane	ND		0.00415
Toxaphene	ND		0.021

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-005
Client ID: SB-W13-12/1
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6909.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00468
beta-BHC	ND		0.00468
gamma-BHC	ND		0.00468
delta-BHC	ND		0.00468
Heptachlor	ND		0.00468
Aldrin	ND		0.00468
Heptachlor epoxide	ND		0.00468
Endosulfan I	ND		0.00468
4,4'-DDE	ND		0.00468
Dieldrin	ND		0.00468
Endrin	ND		0.00468
Endosulfan II	ND		0.00468
4,4'-DDD	ND		0.00468
Endrin aldehyde	ND		0.00468
Endosulfan sulfate	ND		0.00468
4,4'-DDT	ND		0.00468
Endrin ketone	ND		0.00468
Methoxychlor	ND		0.00468
alpha-Chlordane	ND		0.00468
gamma-Chlordane	ND		0.00468
Toxaphene	ND		0.023

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-006
Client ID: SW13-19/19-
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6910.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.73g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00431
beta-BHC	ND		0.00431
gamma-BHC	ND		0.00431
delta-BHC	ND		0.00431
Heptachlor	ND		0.00431
Aldrin	ND		0.00431
Heptachlor epoxide	ND		0.00431
Endosulfan I	ND		0.00431
4,4'-DDE	ND		0.00431
Dieldrin	ND		0.00431
Endrin	ND		0.00431
Endosulfan II	ND		0.00431
4,4'-DDD	ND		0.00431
Endrin aldehyde	ND		0.00431
Endosulfan sulfate	ND		0.00431
4,4'-DDT	ND		0.00431
Endrin ketone	ND		0.00431
Methoxychlor	ND		0.00431
alpha-Chlordane	ND		0.00431
gamma-Chlordane	ND		0.00431
Toxaphene	ND		0.022

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-007
Client ID: SB-W15-0/0-
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6911.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.0046
beta-BHC	ND		0.0046
gamma-BHC	ND		0.0046
delta-BHC	ND		0.0046
Heptachlor	ND		0.0046
Aldrin	ND		0.0046
Heptachlor epoxide	ND		0.0046
Endosulfan I	ND		0.0046
4,4'-DDE	ND		0.0046
Dieldrin	ND		0.0046
Endrin	ND		0.0046
Endosulfan II	ND		0.0046
4,4'-DDD	ND		0.0046
Endrin aldehyde	ND		0.0046
Endosulfan sulfate	ND		0.0046
4,4'-DDT	ND		0.0046
Endrin ketone	ND		0.0046
Methoxychlor	ND		0.0046
alpha-Chlordane	ND		0.0046
gamma-Chlordane	ND		0.0046
Toxaphene	ND		0.023

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-008
Client ID: SB-W15-11.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6912.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00453
beta-BHC	ND		0.00453
gamma-BHC	ND		0.00453
delta-BHC	ND		0.00453
Heptachlor	ND		0.00453
Aldrin	ND		0.00453
Heptachlor epoxide	ND		0.00453
Endosulfan I	ND		0.00453
4,4'-DDE	ND		0.00453
Dieldrin	ND		0.00453
Endrin	ND		0.00453
Endosulfan II	ND		0.00453
4,4'-DDD	ND		0.00453
Endrin aldehyde	ND		0.00453
Endosulfan sulfate	ND		0.00453
4,4'-DDT	ND		0.00453
Endrin ketone	ND		0.00453
Methoxychlor	ND		0.00453
alpha-Chlordane	ND		0.00453
gamma-Chlordane	ND		0.00453
Toxaphene	ND		0.023

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-009
Client ID: SB-W15-16.5
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6913.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00432
beta-BHC	ND		0.00432
gamma-BHC	ND		0.00432
delta-BHC	ND		0.00432
Heptachlor	ND		0.00432
Aldrin	ND		0.00432
Heptachlor epoxide	ND		0.00432
Endosulfan I	ND		0.00432
4,4'-DDE	ND		0.00432
Dieldrin	ND		0.00432
Endrin	ND		0.00432
Endosulfan II	ND		0.00432
4,4'-DDD	ND		0.00432
Endrin aldehyde	ND		0.00432
Endosulfan sulfate	ND		0.00432
4,4'-DDT	ND		0.00432
Endrin ketone	ND		0.00432
Methoxychlor	ND		0.00432
alpha-Chlordane	ND		0.00432
gamma-Chlordane	ND		0.00432
Toxaphene	ND		0.022

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01235-010
Client ID: FIELD_BLANK
Date Received: 02/14/2003
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6901.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 5
% Moisture: 100

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00001
beta-BHC	ND		0.00001
gamma-BHC	ND		0.00001
delta-BHC	ND		0.00001
Heptachlor	ND		0.00001
Aldrin	ND		0.00001
Heptachlor epoxide	ND		0.00001
Endosulfan I	ND		0.00001
4,4'-DDE	ND		0.00001
Dieldrin	ND		0.00001
Endrin	ND		0.00001
Endosulfan II	ND		0.00001
4,4'-DDD	ND		0.00001
Endrin aldehyde	ND		0.00001
Endosulfan sulfate	ND		0.00001
4,4'-DDT	ND		0.00001
Endrin ketone	ND		0.00001
Methoxychlor	ND		0.00001
alpha-Chlordane	ND		0.00001
gamma-Chlordane	ND		0.00001
Toxaphene	ND		0.000075

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-001
Client ID: SB-T12-0
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 9.30
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	22900		10	109	02/20/03	6020
Antimony	ND		1	1.09	02/20/03	6020
Arsenic	2.84		1	1.09	02/20/03	6020
Barium	58.4		1	10.9	02/20/03	6020
Beryllium	ND		1	0.546	02/20/03	6020
Cadmium	ND		1	0.273	02/20/03	6020
Calcium	44100		1	54.6	02/20/03	6020
Chromium	15.8		1	2.18	02/20/03	6020
Cobalt	17.0		1	2.18	02/20/03	6020
Copper	52.6		1	2.18	02/20/03	6020
Iron	27800		1	27.3	02/20/03	6020
Lead	12.4		1	0.546	02/20/03	6020
Magnesium	9490		1	54.6	02/20/03	6020
Manganese	329		1	5.46	02/20/03	6020
Mercury	0.033		1	0.014	02/20/03	7471 A
Nickel	39.1		1	1.09	02/20/03	6020
Potassium	1150		1	54.6	02/20/03	6020
Selenium	ND		1	2.18	02/20/03	6020
Silver	ND		1	0.546	02/20/03	6020
Sodium	3360		1	109	02/20/03	6020
Thallium	ND		1	0.109	02/20/03	6020
Vanadium	106		1	2.18	02/20/03	6020
Zinc	44.9		1	2.18	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-002
Client ID: SB-T12-11
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 16.9
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	7360		1	11.9	02/20/03	6020
Antimony	ND		1	1.19	02/20/03	6020
Arsenic	85.1		1	1.19	02/20/03	6020
Barium	57.2		1	11.9	02/20/03	6020
Beryllium	ND		1	0.595	02/20/03	6020
Cadmium	ND		1	0.298	02/20/03	6020
Calcium	2120		1	59.5	02/20/03	6020
Chromium	15.1		1	2.38	02/20/03	6020
Cobalt	3.30		1	2.38	02/20/03	6020
Copper	39.4		1	2.38	02/20/03	6020
Iron	20600		1	29.8	02/20/03	6020
Lead	37.8		1	0.595	02/20/03	6020
Magnesium	2310		1	59.5	02/20/03	6020
Manganese	126		1	5.95	02/20/03	6020
Mercury	0.244		1	0.015	02/20/03	7471 A
Nickel	8.42		1	1.19	02/20/03	6020
Potassium	2320		1	59.5	02/20/03	6020
Selenium	ND		1	2.38	02/20/03	6020
Silver	ND		1	0.595	02/20/03	6020
Sodium	637		1	119	02/20/03	6020
Thallium	0.672		1	0.119	02/20/03	6020
Vanadium	23.7		1	2.38	02/20/03	6020
Zinc	51.6		1	2.38	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-003
Client ID: SB-T12-14
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 17.1
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	19800		10	121	02/20/03	6020
Antimony	ND		1	1.21	02/20/03	6020
Arsenic	98.4		1	1.21	02/20/03	6020
Barium	70.0		1	12.1	02/20/03	6020
Beryllium	ND		1	0.603	02/20/03	6020
Cadmium	ND		1	0.301	02/20/03	6020
Calcium	1440		1	60.3	02/20/03	6020
Chromium	32.5		1	2.41	02/20/03	6020
Cobalt	4.95		1	2.41	02/20/03	6020
Copper	108		1	2.41	02/20/03	6020
Iron	26800		1	30.1	02/20/03	6020
Lead	22.9		1	0.603	02/20/03	6020
Magnesium	6160		1	60.3	02/20/03	6020
Manganese	193		1	6.03	02/20/03	6020
Mercury	0.031		1	0.015	02/20/03	7471 A
Nickel	15.8		1	1.21	02/20/03	6020
Potassium	2090		1	60.3	02/20/03	6020
Selenium	ND		1	2.41	02/20/03	6020
Silver	ND		1	0.603	02/20/03	6020
Sodium	676		1	121	02/20/03	6020
Thallium	0.637		1	0.121	02/20/03	6020
Vanadium	49.5		1	2.41	02/20/03	6020
Zinc	66.7		1	2.41	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-004
Client ID: SB-W13-0
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 14.0
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	16100		10	116	02/20/03	6020
Antimony	ND		1	1.16	02/20/03	6020
Arsenic	7.44		1	1.16	02/20/03	6020
Barium	153		1	11.6	02/20/03	6020
Beryllium	0.592		1	0.578	02/20/03	6020
Cadmium	0.983		1	0.289	02/20/03	6020
Calcium	7420		1	57.8	02/20/03	6020
Chromium	75.2		1	2.31	02/20/03	6020
Cobalt	13.3		1	2.31	02/20/03	6020
Copper	68.0		1	2.31	02/20/03	6020
Iron	25200		1	28.9	02/20/03	6020
Lead	158		1	0.578	02/20/03	6020
Magnesium	7390		1	57.8	02/20/03	6020
Manganese	483		1	5.78	02/20/03	6020
Mercury	0.607		1	0.014	02/20/03	7471 A
Nickel	33.4		1	1.16	02/20/03	6020
Potassium	4780		1	57.8	02/20/03	6020
Selenium	ND		1	2.31	02/20/03	6020
Silver	0.989		1	0.578	02/20/03	6020
Sodium	529		1	116	02/20/03	6020
Thallium	0.309		1	0.116	02/20/03	6020
Vanadium	53.0		1	2.31	02/20/03	6020
Zinc	146		1	2.31	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-005
Client ID: SB-W13-12
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 16.6
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	8210		1	11.9	02/20/03	6020
Antimony	ND		1	1.19	02/20/03	6020
Arsenic	58.3		1	1.19	02/20/03	6020
Barium	32.6		1	11.9	02/20/03	6020
Beryllium	ND		1	0.595	02/20/03	6020
Cadmium	ND		1	0.298	02/20/03	6020
Calcium	2340		1	59.5	02/20/03	6020
Chromium	14.4		1	2.38	02/20/03	6020
Cobalt	3.55		1	2.38	02/20/03	6020
Copper	35.9		1	2.38	02/20/03	6020
Iron	14200		1	29.8	02/20/03	6020
Lead	53.7		1	0.595	02/20/03	6020
Magnesium	2620		1	59.5	02/20/03	6020
Manganese	136		1	5.95	02/20/03	6020
Mercury	0.093		1	0.015	02/20/03	7471 A
Nickel	9.62		1	1.19	02/20/03	6020
Potassium	598		1	59.5	02/20/03	6020
Selenium	ND		1	2.38	02/20/03	6020
Silver	ND		1	0.595	02/20/03	6020
Sodium	277		1	119	02/20/03	6020
Thallium	0.535		1	0.119	02/20/03	6020
Vanadium	17.6		1	2.38	02/20/03	6020
Zinc	40.7		1	2.38	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-006
Client ID: SB-W13-19
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 19.0
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	12400		10	123	02/20/03	6020
Antimony	ND		1	1.23	02/20/03	6020
Arsenic	14.7		1	1.23	02/20/03	6020
Barium	61.6		1	12.3	02/20/03	6020
Beryllium	ND		1	0.615	02/20/03	6020
Cadmium	ND		1	0.308	02/20/03	6020
Calcium	2650		1	61.5	02/20/03	6020
Chromium	19.8		1	2.46	02/20/03	6020
Cobalt	4.11		1	2.46	02/20/03	6020
Copper	31.5		1	2.46	02/20/03	6020
Iron	13400		1	30.8	02/20/03	6020
Lead	8.03		1	0.615	02/20/03	6020
Magnesium	3360		1	61.5	02/20/03	6020
Manganese	124		1	6.15	02/20/03	6020
Mercury	ND		1	0.015	02/20/03	7471 A
Nickel	11.2		1	1.23	02/20/03	6020
Potassium	2050		1	61.5	02/20/03	6020
Selenium	ND		1	2.46	02/20/03	6020
Silver	ND		1	0.615	02/20/03	6020
Sodium	225		1	123	02/20/03	6020
Thallium	0.550		1	0.123	02/20/03	6020
Vanadium	30.7		1	2.46	02/20/03	6020
Zinc	33.0		1	2.46	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-007
Client ID: SB-W15-0
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 13.7
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	12400		10	116	02/20/03	6020
Antimony	ND		1	1.16	02/20/03	6020
Arsenic	54.2		1	1.16	02/20/03	6020
Barium	85.1		1	11.6	02/20/03	6020
Beryllium	ND		1	0.580	02/20/03	6020
Cadmium	0.483		1	0.290	02/20/03	6020
Calcium	3540		1	58.0	02/20/03	6020
Chromium	29.3		1	2.32	02/20/03	6020
Cobalt	8.14		1	2.32	02/20/03	6020
Copper	57.6		1	2.32	02/20/03	6020
Iron	17000		1	29.0	02/20/03	6020
Lead	152		1	0.580	02/20/03	6020
Magnesium	4000		1	58.0	02/20/03	6020
Manganese	293		1	5.80	02/20/03	6020
Mercury	0.583		1	0.014	02/20/03	7471 A
Nickel	17.7		1	1.16	02/20/03	6020
Potassium	2170		1	58.0	02/20/03	6020
Selenium	ND		1	2.32	02/20/03	6020
Silver	ND		1	0.580	02/20/03	6020
Sodium	299		1	116	02/20/03	6020
Thallium	0.600		1	0.116	02/20/03	6020
Vanadium	33.6		1	2.32	02/20/03	6020
Zinc	87.8		1	2.32	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-008
Client ID: SB-W15-11.5
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 18.6
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	11900		1	12.3	02/20/03	6020
Antimony	ND		1	1.23	02/20/03	6020
Arsenic	48.2		1	1.23	02/20/03	6020
Barium	124		1	12.3	02/20/03	6020
Beryllium	ND		1	0.613	02/20/03	6020
Cadmium	0.568		1	0.306	02/20/03	6020
Calcium	18900		1	61.3	02/20/03	6020
Chromium	66.1		1	2.45	02/20/03	6020
Cobalt	8.34		1	2.45	02/20/03	6020
Copper	127		1	2.45	02/20/03	6020
Iron	34300		1	30.6	02/20/03	6020
Lead	756		1	0.613	02/20/03	6020
Magnesium	3720		1	61.3	02/20/03	6020
Manganese	264		1	6.13	02/20/03	6020
Mercury	0.640		1	0.015	02/20/03	7471 A
Nickel	17.9		1	1.23	02/20/03	6020
Potassium	1690		1	61.3	02/20/03	6020
Selenium	ND		1	2.45	02/20/03	6020
Silver	0.724		1	0.613	02/20/03	6020
Sodium	808		1	123	02/20/03	6020
Thallium	0.926		1	0.123	02/20/03	6020
Vanadium	41.9		1	2.45	02/20/03	6020
Zinc	190		1	2.45	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-009
Client ID: SB-W15-16.5
Date Received: 02/14/03 18:15
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 15.0
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	6220		1	11.8	02/20/03	6020
Antimony	ND		1	1.18	02/20/03	6020
Arsenic	302		1	1.18	02/20/03	6020
Barium	38.4		1	11.8	02/20/03	6020
Beryllium	ND		1	0.590	02/20/03	6020
Cadmium	ND		1	0.295	02/20/03	6020
Calcium	458		1	59.0	02/20/03	6020
Chromium	20.4		1	2.36	02/20/03	6020
Cobalt	2.61		1	2.36	02/20/03	6020
Copper	23.9		1	2.36	02/20/03	6020
Iron	14900		1	29.5	02/20/03	6020
Lead	6.63		1	0.590	02/20/03	6020
Magnesium	2090		1	59.0	02/20/03	6020
Manganese	106		1	5.90	02/20/03	6020
Mercury	ND		1	0.015	02/20/03	7471 A
Nickel	7.89		1	1.18	02/20/03	6020
Potassium	1500		1	59.0	02/20/03	6020
Selenium	ND		1	2.36	02/20/03	6020
Silver	ND		1	0.590	02/20/03	6020
Sodium	293		1	118	02/20/03	6020
Thallium	1.09		1	0.118	02/20/03	6020
Vanadium	15.4		1	2.36	02/20/03	6020
Zinc	23.0		1	2.36	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01235-010
Client ID: FIELD BLANK
Date Received: 02/14/03 18:15
Matrix-Units: Aqueous-mg/L (ppm)
% Moisture: 100
Batch #: 47

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	ND		1	1.00	02/20/03	6020
Antimony	ND		1	0.100	02/20/03	6020
Arsenic	ND		1	0.100	02/20/03	6020
Barium	ND		1	1.00	02/20/03	6020
Beryllium	ND		1	0.050	02/20/03	6020
Cadmium	ND		1	0.025	02/20/03	6020
Calcium	ND		1	5.00	02/20/03	6020
Chromium	ND		1	0.200	02/20/03	6020
Cobalt	ND		1	0.200	02/20/03	6020
Copper	ND		1	0.200	02/20/03	6020
Iron	ND		1	2.50	02/20/03	6020
Lead	ND		1	0.050	02/20/03	6020
Magnesium	ND		1	5.00	02/20/03	6020
Manganese	ND		1	0.500	02/20/03	6020
Mercury	ND		1	0.0005	02/20/03	7471 A
Nickel	ND		1	0.100	02/20/03	6020
Potassium	ND		1	5.00	02/20/03	6020
Selenium	ND		1	0.200	02/20/03	6020
Silver	ND		1	0.050	02/20/03	6020
Sodium	ND		1	10.0	02/20/03	6020
Thallium	ND		1	0.010	02/20/03	6020
Vanadium	ND		1	0.200	02/20/03	6020
Zinc	ND		1	0.200	02/20/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Total Cyanide

Client/Project: EWMA/FORMER CELOTEX - 202887

Date Received: 02/14/03 18:15

Lab ID	Client ID	Result	Q	DF	Matrix-Units	MDL	% Solid	Date Analyzed
01235-001	SB-T12-0	3.12		1	Soil-mg/Kg	1.10	90.7	02/26/03 13:06
01235-002	SB-T12-11	ND		1	Soil-mg/Kg	1.20	83.1	02/26/03 13:06
01235-003	SB-T12-14	ND		1	Soil-mg/Kg	1.21	82.9	02/26/03 13:06
01235-004	SB-W13-0	ND		1	Soil-mg/Kg	1.16	86.0	02/26/03 13:06
01235-005	SB-W13-12	ND		1	Soil-mg/Kg	1.20	83.4	02/26/03 13:06
01235-006	SB-W13-19	ND		1	Soil-mg/Kg	1.23	81.0	02/26/03 13:06
01235-007	SB-W15-0	ND		1	Soil-mg/Kg	1.16	86.3	02/26/03 13:06
01235-008	SB-W15-11.5	ND		1	Soil-mg/Kg	1.23	81.4	02/26/03 13:06
01235-009	SB-W15-16.5	ND		1	Soil-mg/Kg	1.18	85.0	02/26/03 13:06

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: I2495.D BFB Injection Date: 02/19/2003

Inst ID: MSD I BFB Injection Time: 0:48

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	21.7			
75	30.0 - 60.0% of mass 95	43.0			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.9			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	70.6			
175	5.0 - 9.0% of mass 174	5.4	(	7.6	)1
176	95.0 - 101.0% of mass 174	67.7	(	95.9	)1
177	5.0 - 9.0% of mass 176	5.4	(	8.0	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100	100_PPB_STD	I2497.D	02/19/2003	1:44
N/A	METHOD_BLK	I2499.D	02/19/2003	2:44
N/A	METHOD_BLK	I2500.D	02/19/2003	3:14
LCS	BLK_SPK	I2501.D	02/19/2003	3:43
MS	BLK_MS	I2502.D	02/19/2003	4:13
MSD	BLK_MSD	I2503.D	02/19/2003	4:42
FIELD_BLANK	01235-010	I2504.D	02/19/2003	5:12
TRIP_BLANK	01235-011	I2505.D	02/19/2003	5:41
SB-T12-0/0-0.5	01235-001	I2506.D	02/19/2003	6:11
SB-T12-11/11-11.5	01235-002	I2507.D	02/19/2003	6:40
SB-T12-14/14-14.5	01235-003	I2508.D	02/19/2003	7:10
SB-W13-0/0-0.5	01235-004	I2509.D	02/19/2003	7:39
SB-W13-12/12-12.5	01235-005	I2510.D	02/19/2003	8:09
SB-W15-11.5/11.5-	01235-008	I2513.D	02/19/2003	9:38
SB-W15-16.5/16.5-	01235-009	I2514.D	02/19/2003	10:08
MS	01235-009MS	I2515.D	02/19/2003	10:38
MSD	01235-009MSD	I2516.D	02/19/2003	11:08
SB-W13-19/19-19.5	01235-006	I2517.D	02/19/2003	11:38
SB-W15-0/0-0.5	01235-007	I2518.D	02/19/2003	12:09

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: I2444.D BFB Injection Date: 02/14/2003

Inst ID: MSD_I BFB Injection Time: 12:04

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.7			
75	30.0 - 60.0% of mass 95	50.1			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	8.3			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	82.4			
175	5.0 - 9.0% of mass 174	5.9	(	7.2	)1
176	95.0 - 101.0% of mass 174	82.0	(	99.5	)1
177	5.0 - 9.0% of mass 176	5.6	(	6.8	)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100	100_PPB_STD	I2445.D	02/14/2003	12:17
200	200_PPB_STD	I2446.D	02/14/2003	12:47
150	150_PPB_STD	I2447.D	02/14/2003	13:17
50	50_PPB_STD	I2448.D	02/14/2003	13:48
20	20_PPB_STD	I2449.D	02/14/2003	14:18
N/A	METHOD_BLK	I2451.D	02/14/2003	15:18
LCS	BLK_SPK	I2452.D	02/14/2003	15:48
SS-2B	01154-003	I2453.D	02/14/2003	16:18
5779-B1	01145-001	I2454.D	02/14/2003	16:48
5779-B2	01145-002	I2455.D	02/14/2003	17:18
5779-B3	01145-003	I2456.D	02/14/2003	17:48
5779-B5	01145-005	I2458.D	02/14/2003	18:49
5779-B6	01145-006	I2459.D	02/14/2003	19:19
5779-B7	01145-007	I2460.D	02/14/2003	19:49
5779-B8	01145-008	I2461.D	02/14/2003	20:19
MS	01145-001MS	I2462.D	02/14/2003	20:49
MSD	01145-001MSD	I2463.D	02/14/2003	21:19
STOLTMAN_WAS	01205-001	I2468.D	02/14/2003	23:49

VOLATILE METHOD BLANK SUMMARY

Lab File ID: I2499.D Instrument ID: MSD_I

Date Analyzed: 02/19/2003 Time Analyzed: 02:44

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
LCS	BLK_SPK	02/19/2003	3:43
TRIP_BLANK	01235-011	02/19/2003	5:41
SB-T12-0/0-0.5	01235-001	02/19/2003	6:11
SB-T12-11/11-11.5	01235-002	02/19/2003	6:40
SB-T12-14/14-14.5	01235-003	02/19/2003	7:10
SB-W13-0/0-0.5	01235-004	02/19/2003	7:39
SB-W13-12/12-12.5	01235-005	02/19/2003	8:09
SB-W15-11.5/11.5-12	01235-008	02/19/2003	9:38
SB-W15-16.5/16.5-17.0	01235-009	02/19/2003	10:08
MS	01235-009MS	02/19/2003	10:38
MSD	01235-009MSD	02/19/2003	11:08
SB-W13-19/19-19.5	01235-006	02/19/2003	11:38
SB-W15-0/0-0.5	01235-007	02/19/2003	12:09

FORM 4

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2499.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.250
Chloromethane	ND		0.250
Vinyl Chloride	ND		0.250
Bromomethane	ND		0.250
Chloroethane	ND		0.250
Trichlorofluoromethane	ND		0.250
1,1-Dichloroethene	ND		0.250
Acetone	ND		0.500
Carbon Disulfide	ND		0.250
Methylene Chloride	ND		0.250
trans-1,2-Dichloroethene	ND		0.250
Methyl-t-Butyl Ether(MTBE)	ND		0.250
1,1-Dichloroethane	ND		0.250
cis-1,2-Dichloroethene	ND		0.250
2-Butanone(MEK)	ND		0.500
Bromochloromethane	ND		0.250
Chloroform	ND		0.250
1,1,1-Trichloroethane	ND		0.250
Carbon Tetrachloride	ND		0.250
1,2-Dichloroethane(EDC)	ND		0.250
Benzene	ND		0.250
Trichloroethene	ND		0.250
1,2-Dichloropropane	ND		0.250
Bromodichloromethane	ND		0.250
cis-1,3-Dichloropropene	ND		0.250
4-Methyl-2-pentanone(MIBK)	ND		0.500

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2499.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

Compound	Concentration	Q	MDL
Toluene	ND		0.250
trans-1,3-Dichloropropene	ND		0.250
1,1,2-Trichloroethane	ND		0.250
Tetrachloroethene	ND		0.250
2-Hexanone	ND		0.500
Dibromochloromethane	ND		0.250
1,2-Dibromoethane(EDB)	ND		0.250
Chlorobenzene	ND		0.250
Ethylbenzene	ND		0.250
Total Xylenes	ND		0.250
Styrene	ND		0.250
Bromoform	ND		0.250
Isopropylbenzene	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.250
1,3-Dichlorobenzene	ND		0.250
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.250
1,2-Dibromo-3-chloropropane	ND		0.250
1,2,4-Trichlorobenzene	ND		0.250
1,2,3-Trichlorobenzene	ND		0.250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.250
Methyl Acetate	ND		0.250
Cyclohexane	ND		0.250
Methylcyclohexane	ND		0.250

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Tentatively Identified Compounds

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2499.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: I2500.D Instrument ID: MSD_I

Date Analyzed: 02/19/2003 Time Analyzed: 03:14

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MS	BLK_MS	02/19/2003	4:13
MSD	BLK_MSD	02/19/2003	4:42
FIELD_BLANK	01235-010	02/19/2003	5:12

FORM 4

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2500.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.005
Chloromethane	ND		0.005
Vinyl Chloride	ND		0.005
Bromomethane	ND		0.005
Chloroethane	ND		0.005
Trichlorofluoromethane	ND		0.005
1,1-Dichloroethene	ND		0.005
Acetone	ND		0.010
Carbon Disulfide	ND		0.005
Methylene Chloride	ND		0.005
trans-1,2-Dichloroethene	ND		0.005
Methyl-t-Butyl Ether(MTBE)	ND		0.005
1,1-Dichloroethane	ND		0.005
cis-1,2-Dichloroethene	ND		0.005
2-Butanone(MEK)	ND		0.010
Bromochloromethane	ND		0.005
Chloroform	ND		0.005
1,1,1-Trichloroethane	ND		0.005
Carbon Tetrachloride	ND		0.005
1,2-Dichloroethane(EDC)	ND		0.005
Benzene	ND		0.005
Trichloroethene	ND		0.005
1,2-Dichloropropane	ND		0.005
Bromodichloromethane	ND		0.005
cis-1,3-Dichloropropene	ND		0.005
4-Methyl-2-pentanone(MIBK)	ND		0.010

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2500.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Toluene	ND		0.005
trans-1,3-Dichloropropene	ND		0.005
1,1,2-Trichloroethane	ND		0.005
Tetrachloroethene	ND		0.005
2-Hexanone	ND		0.010
Dibromochloromethane	ND		0.005
1,2-Dibromoethane(EDB)	ND		0.005
Chlorobenzene	ND		0.005
Ethylbenzene	ND		0.005
Total Xylenes	ND		0.005
Styrene	ND		0.005
Bromoform	ND		0.005
Isopropylbenzene	ND		0.005
1,1,2,2-Tetrachloroethane	ND		0.005
1,3-Dichlorobenzene	ND		0.005
1,4-Dichlorobenzene	ND		0.005
1,2-Dichlorobenzene	ND		0.005
1,2-Dibromo-3-chloropropane	ND		0.005
1,2,4-Trichlorobenzene	ND		0.005
1,2,3-Trichlorobenzene	ND		0.005
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.005
Methyl Acetate	ND		0.005
Cyclohexane	ND		0.005
Methylcyclohexane	ND		0.005

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2500.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

Response Factor Report 5970 - In

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:47:51 2003
Response via : Initial Calibration

Calibration Files
20 =I2449.D 50 =I2448.D 100 =I2445.D
150 =I2447.D 200 =I2446.D

		Compound (ppb)	20	50	100	150	200	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluorometha	0.480	0.507	0.505	0.489	0.488	0.494	2.41
3)	P	Chloromethane	0.302	0.300	0.278	0.269	0.267	0.283	5.86
4)	C	Vinyl Chloride	0.301	0.325	0.306	0.294	0.298	0.305	3.95
5)	T	Bromomethane	0.338	0.332	0.278	0.206	0.224	0.276	21.94
6)	T	Chloroethane	0.204	0.208	0.203	0.189	0.188	0.198	4.63
7)	T	Trichlorofluoromethan	0.606	0.651	0.673	0.611	0.634	0.635	4.38
8)	T	Acrolein	0.008	0.010	0.011	0.011	0.011	0.010	12.08
9)	MC	1,1-Dichloroethene	0.298	0.313	0.324	0.296	0.306	0.307	3.80
10)	T	Acetone	0.044	0.048	0.049	0.043	0.042	0.046	6.79
11)	T	Carbon Disulfide	0.822	0.915	0.925	0.843	0.855	0.872	5.24
12)	T	Vinyl Acetate	0.840	0.861	0.886	0.848	0.899	0.867	2.88
13)	T	Methylene Chloride	0.320	0.342	0.322	0.308	0.307	0.320	4.46
14)	T	Acrylonitrile	0.030	0.037	0.037	0.037	0.039	0.036	9.49
15)	T	tert-Butyl Alcohol(TB	0.007	0.010	0.012	0.011	0.011	0.010	15.53
16)	T	trans-1,2-Dichloroeth	0.345	0.378	0.379	0.353	0.358	0.362	4.24
17)	T	Methyl-t-Butyl Ether(	0.547	0.600	0.565	0.547	0.572	0.566	3.84
18)	P	1,1-Dichloroethane	0.686	0.684	0.684	0.658	0.667	0.676	1.88
19)	T	Diisopropyl Ether(DIP	0.986	0.981	0.952	0.945	0.942	0.961	2.15
20)	T	cis-1,2-Dichloroethen	0.345	0.365	0.378	0.355	0.359	0.360	3.44
21)	T	2,2-Dichloropropane	0.431	0.417	0.479	0.450	0.497	0.455	7.31
22)	T	2-Butanone(MEK)	0.071	0.061	0.058	0.065	0.069	0.065	8.58
23)	T	Bromochloromethane	0.198	0.200	0.198	0.193	0.198	0.198	1.45
25)	C	Chloroform	0.701	0.723	0.697	0.702	0.702	0.705	1.44
26)	T	1,1,1-Trichloroethane	0.536	0.568	0.568	0.560	0.569	0.560	2.49
27)	T	Carbon Tetrachloride	0.502	0.505	0.507	0.505	0.513	0.506	0.78
28)	T	1,1-Dichloropropene	0.485	0.492	0.484	0.477	0.480	0.484	1.21
29)	T	1,2-Dichloroethane(ED	0.380	0.389	0.372	0.367	0.386	0.379	2.51
30)	S	1,2-Dichloroethane-d4	0.353	0.363	0.391	0.398	0.419	0.385	6.95
31)	I	1,4-Difluorobenzene	----------ISTD----------						
32)	M	Benzene	0.828	0.810	0.750	0.791	0.786	0.793	3.69
33)	M	Trichloroethene	0.395	0.399	0.387	0.391	0.397	0.394	1.23
34)	C	1,2-Dichloropropane	0.381	0.369	0.345	0.365	0.365	0.365	3.52
35)	T	Dibromomethane	0.245	0.239	0.242	0.246	0.258	0.246	2.88
37)	T	Bromodichloromethane	0.578	0.572	0.576	0.580	0.614	0.584	2.90
38)	T	2-Chloroethylvinyl Et	0.019	0.021	0.028	0.022	0.034	0.025	24.93
39)	T	cis-1,3-Dichloroprope	0.435	0.440	0.448	0.452	0.477	0.450	3.64
40)	T	4-Methyl-2-pentanone(	0.165	0.162	0.162	0.171	0.184	0.169	5.42
41)	S	Toluene-d8	0.893	0.861	0.792	0.877	0.867	0.858	4.50
42)	MC	Toluene	0.542	0.542	0.513	0.516	0.530	0.528	2.62
43)	T	trans-1,3-Dichloropro	0.322	0.319	0.341	0.343	0.370	0.339	6.00
44)	T	1,1,2-Trichloroethane	0.218	0.218	0.213	0.213	0.225	0.218	2.31
45)	T	Tetrachloroethene	0.412	0.410	0.400	0.381	0.404	0.402	3.11
46)	T	1,3-Dichloropropane	0.364	0.356	0.356	0.345	0.380	0.360	3.59
47)	T	2-Hexanone	0.097	0.103	0.097	0.109	0.115	0.104	7.50
48)	T	Dibromochloromethane	0.364	0.380	0.389	0.391	0.434	0.392	6.67
49)	T	1,2-Dibromoethane(EDB	0.290	0.284	0.299	0.295	0.320	0.298	4.57

50)	I	Chlorobenzene-d5	----------ISTD----------						
51)	MP	Chlorobenzene	0.853	0.834	0.800	0.823	0.823	0.827	2.37
52)	T	1,1,1,2-Tetrachloroet	0.446	0.434	0.423	0.436	0.443	0.436	2.05
53)	C	Ethylbenzene	1.169	1.159	1.112	1.113	1.117	1.134	2.45
54)	T	m,p-Xylene	0.427	0.427	0.401	0.416	0.391	0.412	3.93
55)	T	o-Xylene	0.441	0.415	0.403	0.408	0.408	0.415	3.64
56)	T	Styrene	0.663	0.674	0.684	0.713	0.702	0.687	2.97
57)	P	Bromoform	0.306	0.320	0.348	0.353	0.372	0.340	7.85
58)	T	Isopropylbenzene	0.976	0.953	0.897	0.921	0.907	0.931	3.53
59)	S	Bromofluorobenzene	0.831	0.771	0.728	0.789	0.772	0.778	4.77
60)	P	1,1,2,2-Tetrachloroet	0.373	0.370	0.378	0.382	0.396	0.380	2.72
61)	T	Bromobenzene	0.428	0.401	0.396	0.407	0.408	0.408	2.99
62)	T	1,2,3-Trichloropropan	0.314	0.286	0.284	0.284	0.300	0.294	4.49
63)	T	n-Propylbenzene	1.127	1.129	1.075	1.123	1.100	1.111	2.05
64)	T	2-Chlorotoluene	0.950	0.902	0.859	0.877	0.874	0.893	3.98
65)	T	1,3,5-Trimethylbenzen	0.760	0.752	0.725	0.740	0.713	0.738	2.62
66)	T	4-Chlorotoluene	1.008	1.014	0.980	0.968	0.995	0.993	1.91
67)	T	tert-Butylbenzene	0.791	0.763	0.724	0.720	0.710	0.742	4.62
68)	T	1,2,4-Trimethylbenzen	0.758	0.769	0.717	0.772	0.717	0.747	3.67
69)	T	sec-Butylbenzene	0.927	0.922	0.864	0.891	0.836	0.888	4.33
70)	T	1,3-Dichlorobenzene	0.542	0.538	0.515	0.523	0.511	0.526	2.65
71)	T	4-Isopropyltoluene	0.767	0.727	0.707	0.698	0.685	0.717	4.48
72)	T	1,4-Dichlorobenzene	0.615	0.607	0.589	0.589	0.593	0.599	1.96
73)	T	n-Butylbenzene	0.740	0.721	0.701	0.707	0.674	0.709	3.45
74)	T	1,2-Dichlorobenzene	0.507	0.507	0.506	0.481	0.506	0.501	2.28
75)	T	1,2-Dibromo-3-chlorop	0.058	0.062	0.059	0.059	0.067	0.061	5.85
76)	T	1,2,4-Trichlorobenzen	0.346	0.323	0.308	0.316	0.321	0.323	4.38
77)	T	Hexachlorobutadiene	0.323	0.294	0.257	0.264	0.252	0.278	10.70
78)	T	Naphthalene	0.445	0.422	0.367	0.393	0.416	0.409	7.27
79)	T	1,2,3-Trichlorobenzen	0.306	0.270	0.246	0.249	0.253	0.265	9.39
80)	T	1,1,2-Trichloro-1,2,2	0.633	0.646	0.651	0.597	0.604	0.627	3.92
81)	T	Methyl Acetate	0.148	0.142	0.148	0.154	0.158	0.150	4.13
82)	T	Cyclohexane	0.295	0.305	0.275	0.285	0.271	0.286	4.94
83)	T	Methylcyclohexane	0.306	0.302	0.290	0.291	0.287	0.295	2.80

(#) = Out of Range

IME0214.M Fri Feb 14 14:47:59 2003 MSD_I

Instrument ID: MSD_I
Method ID: IME0214.M
Date: 02/14/2003

Average %RSD = 4.99

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2497.D Vial: 28
Acq On : 19 Feb 2003 1:44 Operator: DPEI
Sample : 100,100_PPB_STD,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	93	0.04
2	T	Dichlorodifluoromethane	0.494	0.472	4.5	87	0.03
3	P	Chloromethane	0.283	0.282	0.4	95	0.02
4	C	Vinyl Chloride	0.305	0.287	5.9	88	0.03
5	T	Bromomethane	0.276	0.280	-1.4	94	0.02
6	T	Chloroethane	0.198	0.187	5.6	86	0.03
7	T	Trichlorofluoromethane	0.635	0.525	17.3	73	0.05
8	T	Acrolein	0.010	0.007	30.0	57	0.06
9	MC	1,1-Dichloroethene	0.307	0.292	4.9	84	0.05
10	T	Acetone	0.046	0.038	17.4	71	0.04
11	T	Carbon Disulfide	0.872	0.896	-2.8	90	0.04
12	T	Vinyl Acetate	0.867	0.677	21.9	71	0.07
13	T	Methylene Chloride	0.320	0.316	1.3	92	0.06
14	T	Acrylonitrile	0.036	0.031	13.9	79	0.05
15	T	tert-Butyl Alcohol(TBA)	0.010	0.007	30.0	60	0.06
16	T	trans-1,2-Dichloroethene	0.362	0.356	1.7	88	0.06
17	T	Methyl-t-Butyl Ether(MTBE)	0.566	0.508	10.2	84	0.04
18	P	1,1-Dichloroethane	0.676	0.693	-2.5	95	0.04
19	T	Diisopropyl Ether(DIPE)	0.961	0.962	-0.1	94	0.05
20	T	cis-1,2-Dichloroethene	0.360	0.352	2.2	87	0.03
21	T	2,2-Dichloropropane	0.455	0.327	28.1	64	0.03
22	T	2-Butanone(MEK)	0.065	0.056	13.8	90	0.02
23	T	Bromochloromethane	0.198	0.189	4.5	89	0.05
25	C	Chloroform	0.705	0.738	-4.7	99	0.03
26	T	1,1,1-Trichloroethane	0.560	0.554	1.1	91	0.05
27	T	Carbon Tetrachloride	0.506	0.487	3.8	90	0.04
28	T	1,1-Dichloropropene	0.484	0.488	-0.8	94	0.05
29	T	1,2-Dichloroethane(EDC)	0.379	0.367	3.2	92	0.04
30	S	1,2-Dichloroethane-d4	0.385	0.347	9.9	83	0.04
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.04
32	M	Benzene	0.793	0.858	-8.2	103	0.04
33	M	Trichloroethene	0.394	0.407	-3.3	95	0.05
34	C	1,2-Dichloropropane	0.365	0.376	-3.0	98	0.03
35	T	Dibromomethane	0.246	0.230	6.5	85	0.04
37	T	Bromodichloromethane	0.584	0.586	-0.3	91	0.04
38	T	2-Chloroethylvinyl Ether	0.025	0.021	16.0	65	0.09
39	T	cis-1,3-Dichloropropene	0.450	0.433	3.8	87	0.03
40	T	4-Methyl-2-pentanone(MIBK)	0.169	0.149	11.8	83	0.04
41	S	Toluene-d8	0.858	0.894	-4.2	101	0.04
42	MC	Toluene	0.528	0.540	-2.3	95	0.05
43	T	trans-1,3-Dichloropropene	0.339	0.307	9.4	81	0.04
44	T	1,1,2-Trichloroethane	0.218	0.205	6.0	87	0.04
45	T	Tetrachloroethene	0.402	0.402	0.0	90	0.05
46	T	1,3-Dichloropropane	0.360	0.335	6.9	85	0.05

47	T	2-Hexanone	0.104	0.093	10.6	86	0.05
48	T	Dibromochloromethane	0.392	0.370	5.6	85	0.05
49	T	1,2-Dibromoethane(EDB)	0.298	0.266	10.7	80	0.06
50	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.05
51	MP	Chlorobenzene	0.827	0.792	4.2	92	0.05
52	T	1,1,1,2-Tetrachloroethane	0.436	0.425	2.5	93	0.06
53	C	Ethylbenzene	1.134	1.122	1.1	94	0.06
54	T	m,p-Xylene	0.412	0.429	-4.1	99	0.05
55	T	o-Xylene	0.415	0.430	-3.6	99	0.05
56	T	Styrene	0.687	0.696	-1.3	95	0.05
57	P	Bromoform	0.340	0.298	12.4	79	0.04
58	T	Isopropylbenzene	0.931	0.962	-3.3	100	0.05
59	S	Bromofluorobenzene	0.778	0.744	4.4	95	0.06
60	P	1,1,2,2-Tetrachloroethane	0.380	0.320	15.8	79	0.06
61	T	Bromobenzene	0.408	0.393	3.7	92	0.05
62	T	1,2,3-Trichloropropane	0.294	0.261	11.2	85	0.05
63	T	n-Propylbenzene	1.111	1.118	-0.6	96	0.06
64	T	2-Chlorotoluene	0.893	0.868	2.8	94	0.06
65	T	1,3,5-Trimethylbenzene	0.738	0.788	-6.8	101	0.04
66	T	4-Chlorotoluene	0.993	0.987	0.6	94	0.04
67	T	tert-Butylbenzene	0.742	0.729	1.8	93	0.06
68	T	1,2,4-Trimethylbenzene	0.747	0.789	-5.6	102	0.04
69	T	sec-Butylbenzene	0.888	0.864	2.7	93	0.05
70	T	1,3-Dichlorobenzene	0.526	0.471	10.5	85	0.04
71	T	4-Isopropyltoluene	0.717	0.676	5.7	89	0.05
72	T	1,4-Dichlorobenzene	0.599	0.559	6.7	88	0.05
73	T	n-Butylbenzene	0.709	0.707	0.3	94	0.06
74	T	1,2-Dichlorobenzene	0.501	0.499	0.4	92	0.06
75	T	1,2-Dibromo-3-chloropropane	0.061	0.043	29.5	67	0.04
76	T	1,2,4-Trichlorobenzene	0.323	0.255	21.1	77	0.07
77	T	Hexachlorobutadiene	0.278	0.226	18.7	82	0.07
78	T	Naphthalene	0.409	0.453	-10.8	115	0.05
79	T	1,2,3-Trichlorobenzene	0.265	0.210	20.8	79	0.08
80	T	1,1,2-Trichloro-1,2,2-trifl	0.627	0.456	27.3	65	0.04
81	T	Methyl Acetate	0.150	0.124	17.3	78	0.05
82	T	Cyclohexane	0.286	0.241	15.7	82	0.03
83	T	Methylcyclohexane	0.295	0.223	24.4	71	0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I2445.D IME0214.M Wed Feb 19 10:25:28 2003 MSD_I

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/19/2003

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD_BLK	SOIL	I2499.D	78	103	90
METHOD_BLK	AQUEOUS	I2500.D	77	105	88
BLK_SPK	SOIL	I2501.D	84	104	91
BLK_MS	AQUEOUS	I2502.D	75	104	86
BLK_MSD	AQUEOUS	I2503.D	74	105	85
01235-010	AQUEOUS	I2504.D	74	103	84
01235-011	MEOH	I2505.D	71	91	63
01235-001	MEOH	I2506.D	70	88	64
01235-002	MEOH	I2507.D	66	84	62
01235-003	MEOH	I2508.D	68	86	62
01235-004	MEOH	I2509.D	70	89	63
01235-005	MEOH	I2510.D	67	84	64
01235-008	MEOH	I2513.D	68	86	64
01235-009	MEOH	I2514.D	71	87	67
01235-009MS	MEOH	I2515.D	79	91	71
01235-009MSD	MEOH	I2516.D	80	89	72
01235-006	MEOH	I2517.D	74	87	66
01235-007	MEOH	I2518.D	74	79	65

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	65-115	54-122
SMC2 = Toluene-d8	50 ppb	68-128	60-120
SMC3 = Bromofluorobenzene	50 ppb	45-133	73-130

Column to be used to flag recovery values

FORM 2

MEOH VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01235-009

Batch No.: IM0687

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	39.5	79	48 - 149
Benzene	50.0	0.0	48.2	96	59 - 149
Trichloroethene	50.0	0.0	45.7	91	55 - 143
Toluene	50.0	0.0	45.5	91	54 - 150
Chlorobenzene	50.0	0.0	43.6	87	55 - 144

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	39.9		80	1		17	48 - 149
Benzene	0.0	46.9		94	2		15	59 - 149
Trichloroethene	0.0	44.3		89	2		15	55 - 143
Toluene	0.0	42.4		85	7		16	54 - 150
Chlorobenzene	0.0	41.5		83	5		15	55 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: BLK MSD

Batch No.: IM0687'

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	39.6	79	48 - 149
Benzene	50.0	0.0	50.7	101	59 - 149
Trichloroethene	50.0	0.0	46.5	93	55 - 143
Toluene	50.0	0.0	46.9	94	54 - 150
Chlorobenzene	50.0	0.0	43.2	86	55 - 144

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	#	MSD % REC	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	0.0	39.8		80	1	17	48 - 149
Benzene	0.0	50.2		100	1	15	59 - 149
Trichloroethene	0.0	45.6		91	2	15	55 - 143
Toluene	0.0	46.0		92	2	16	54 - 150
Chlorobenzene	0.0	42.9		86	0	15	55 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

SOIL VOLATILE LABORATORY CONTROL SAMPLE RECOVERY

Matrix spike Lab sample ID: BLK SPK

Batch No.: IM0687

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	50.3	101	70 - 130
Benzene	50.0	0.0	58.2	116	70 - 130
Trichloroethene	50.0	0.0	56.5	113	70 - 130
Toluene	50.0	0.0	54.7	109	70 - 130
Chlorobenzene	50.0	0.0	51.7	103	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __5__ outside limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): I2445.D

Date Analyzed: 02/14/2003

Instrument ID: MSD_I

Time Analyzed: 12:17

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	751294	9.23	828616	10.31	673651	14.61
	UPPER LIMIT	1502588	9.73	1657232	10.81	1347302	15.11
	LOWER LIMIT	375647	8.73	414308	9.81	336825.5	14.11
	LAB SAMPLE ID						
01	200_PPB_STD	743546	9.20	801554	10.29	662376	14.60
02	150_PPB_STD	726391	9.22	787041	10.29	632477	14.61
03	50_PPB_STD	703767	9.23	770197	10.31	620934	14.62
04	20_PPB_STD	719118	9.23	760630	10.32	606507	14.62
05	METHOD_BLK	718128	9.24	744223	10.32	616844	14.64
06	BLK_SPK	714332	9.23	759661	10.32	649220	14.64
07	01154-003	703354	9.24	760104	10.32	646039	14.65
08	01145-001	727106	9.26	760972	10.34	661039	14.66
09	01145-002	744562	9.25	801046	10.33	664854	14.65
10	01145-003	767419	9.22	806182	10.31	647256	14.64
11	01145-005	756581	9.24	798186	10.32	683009	14.65
12	01145-006	739466	9.23	774865	10.33	662362	14.66
13	01145-007	747972	9.25	792891	10.33	659858	14.66
14	01145-008	756351	9.24	788237	10.34	660477	14.64
15	01145-001MS	745248	9.24	782770	10.34	652328	14.65
16	01145-001MSD	750734	9.25	783788	10.34	682546	14.66
17	01205-001	708308	9.26	739293	10.36	645197	14.67
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): I2497.D Date Analyzed: 02/19/2003

Instrument ID: MSD_I Time Analyzed: 1:44

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	701900	9.27	744991	10.35	625328	14.68
	UPPER LIMIT	1403800	9.77	1489982	10.85	1250656	15.18
	LOWER LIMIT	350950	8.77	372495.5	9.85	312664	14.18
	LAB SAMPLE ID						
01	METHOD_BLK	686274	9.30	733823	10.37	633890	14.69
02	METHOD_BLK	688680	9.30	725452	10.39	629418	14.70
03	BLK_SPK	670206	9.31	717677	10.39	612611	14.71
04	BLK_MS	685830	9.30	737426	10.40	638768	14.71
05	BLK_MSD	681608	9.30	717081	10.39	622741	14.70
06	01235-010	663155	9.32	712396	10.40	608390	14.72
07	01235-011	716860	9.32	753295	10.40	656811	14.71
08	01235-001	732046	9.32	790413	10.40	662361	14.71
09	01235-002	722066	9.31	791640	10.41	664556	14.73
10	01235-003	721366	9.32	797023	10.41	666133	14.73
11	01235-004	713149	9.31	778022	10.41	670370	14.73
12	01235-005	716445	9.32	781667	10.41	675393	14.73
13	01235-008	726314	9.28	739707	10.36	641720	14.67
14	01235-009	718329	9.26	763839	10.34	655442	14.66
15	01235-009MS	721518	9.25	779058	10.35	667151	14.66
16	01235-009MSD	737318	9.25	786189	10.32	638383	14.64
17	01235-006	695141	9.23	746714	10.32	644393	14.63
18	01235-007	721433	9.22	771359	10.31	654307	14.63
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE METHANOL PRESERVATION CONTAINER SUMMARY

Sample ID	Client ID	Bottle ID	Date Prepared	Inital Wgt.(g)	Final Wgt.(g)	Sample Wgt.(g)	MeOH Lot #	Surrogate Lot #
01235-001	SB-T120-0.5	302149	2/13/2003	106.3	115.9	9.6	cg721	ls361
01235-002	SB-T12-11	302143	2/13/2003	104.6	114.8	10.1	cg721	ls361
01235-003	SB-T12-14	302150	2/13/2003	105.9	117.1	11.2	cg721	ls361
01235-004	SB-W13-0	302146	2/13/2003	105.5	116.4	10.9	cg721	ls361
01235-005	SB-W13-12	302145	2/13/2003	104.3	114.9	10.5	cg721	ls361
01235-006	SW13-19	302140	2/13/2003	105.0	114.2	9.2	cg721	ls361
01235-007	SB-W15-0	302139	2/13/2003	104.2	115.4	11.2	cg721	ls361
01235-008	SB-W15-11.5	302138	2/13/2003	105.7	115.8	10.1	cg721	ls361
01235-009	SB-W15-16.5	302144	2/13/2003	104.9	116.0	11.1	cg721	ls361
01235-011	TRIP BLANK	302148	2/13/2003	105.3	115.3	10.0	cg721	ls361

Limits : Sample Weight = 8 to 12 grams, * = Outside limits

omments : _____

_____

_____

Sample weight is reported on a wet weight basis

Quantitation Report (QT/LSC Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2506.D Vial: 37
Acq On : 19 Feb 2003 6:11 Operator: DPEI
Sample : SB-T12-0/0-0.5,01235-001,M,0.038g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:55 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

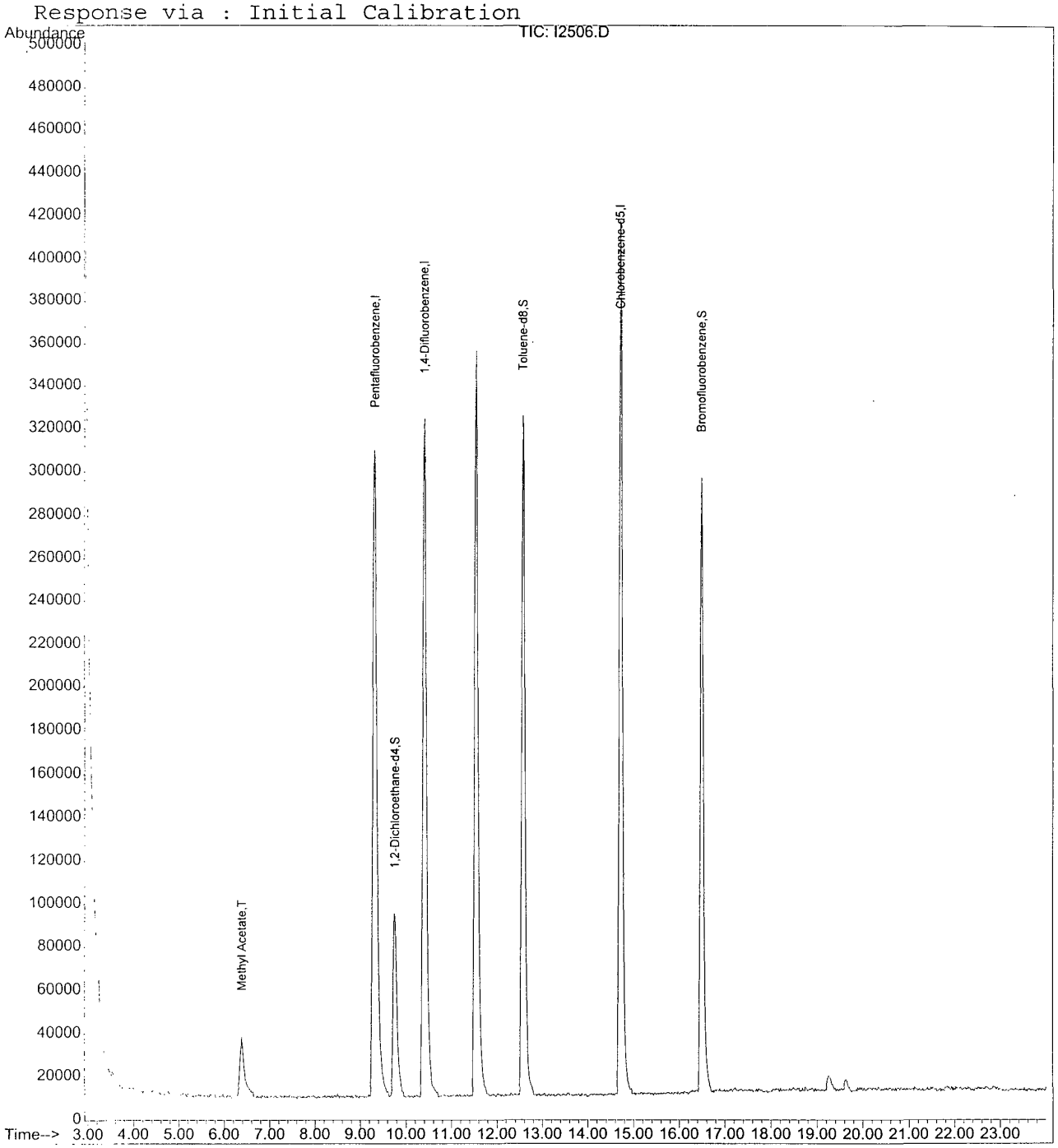
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.32	168	732046	50.00	UG	0.09
31) 1,4-Difluorobenzene	10.40	114	790413	50.00	UG	0.09
50) Chlorobenzene-d5	14.71	117	662361	50.00	UG	0.09
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	9.76	65	196148	34.82	UG	0.09
Spiked Amount 50.000	Range 36 - 115		Recovery = 69.64%			
41) Toluene-d8	12.57	98	596522	43.99	UG	0.07
Spiked Amount 50.000	Range 35 - 117		Recovery = 87.98%			
59) Bromofluorobenzene	16.49	95	329162	31.93	UG	0.09
Spiked Amount 50.000	Range 47 - 115		Recovery = 63.86%			
Target Compounds						Qvalue
81) Methyl Acetate	6.39	43	159986m	80.62	ug	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2506.D Vial: 37
Acq On : 19 Feb 2003 6:11 Operator: DPEI
Sample : SB-T12-0/0-0.5,01235-001,M,0.038g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:55 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2506.D Vial: 37
Acq On : 19 Feb 2003 6:11 Operator: DPEI
Sample : SB-T12-0/0-0.5,01235-001,M,0.038g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

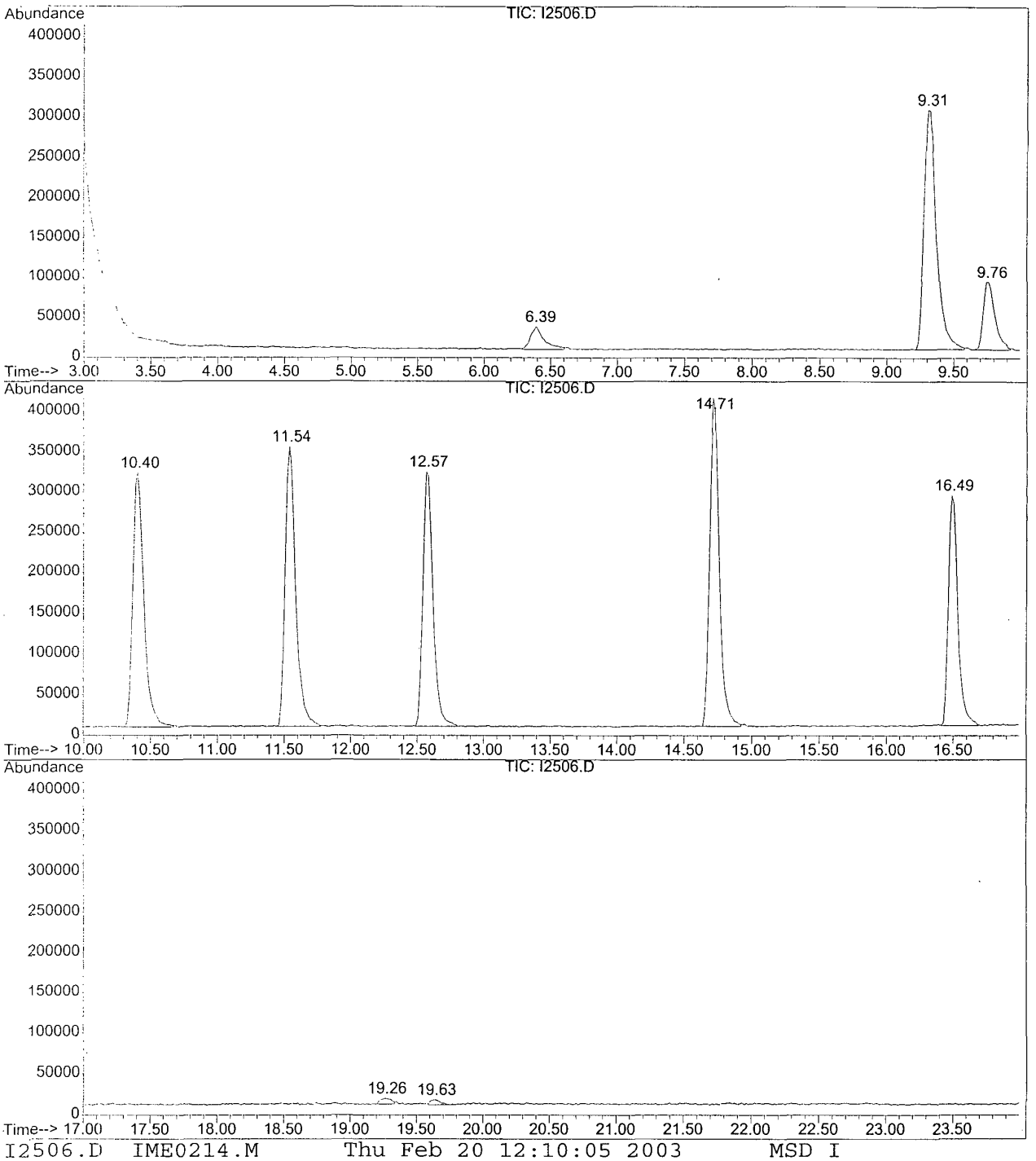
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.393	226	233	247	rVV2	28499	199000	9.98%	1.731%
2	9.309	421	428	446	rBV	299530	1966735	98.68%	17.110%
3	9.761	450	458	469	rBV	85133	521527	26.17%	4.537%
4	10.405	494	501	519	rBV	314418	1803727	90.50%	15.692%
5	11.539	571	577	593	rBV	346370	1889707	94.81%	16.440%
6	12.568	641	646	662	rBV2	315081	1641659	82.37%	14.282%
7	14.715	784	790	804	rBV	406174	1993052	100.00%	17.339%
8	16.489	904	909	924	rBV2	284971	1408661	70.68%	12.255%
9	19.261	1090	1095	1100	rBV2	6742	38960	1.95%	0.339%
10	19.632	1117	1120	1128	rVB2	6144	31643	1.59%	0.275%

Sum of corrected areas: 11494671

I2506.D IME0214.M Thu Feb 20 12:10:05 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2506.D
Operator : DPEI
Acquired : 19 Feb 2003 6:11 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T12-0/0-0.5,01235-001,M,0.038g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 37
Quant File :IME0214.RES (RTE Integrator)



I2506.D IME0214.M Thu Feb 20 12:10:05 2003 MSD_I

0134

301392

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2506.D Vial: 37
Acq On : 19 Feb 2003 6:11 Operator: DPEI
Sample : SB-T12-0/0-0.5,01235-001,M,0.038g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

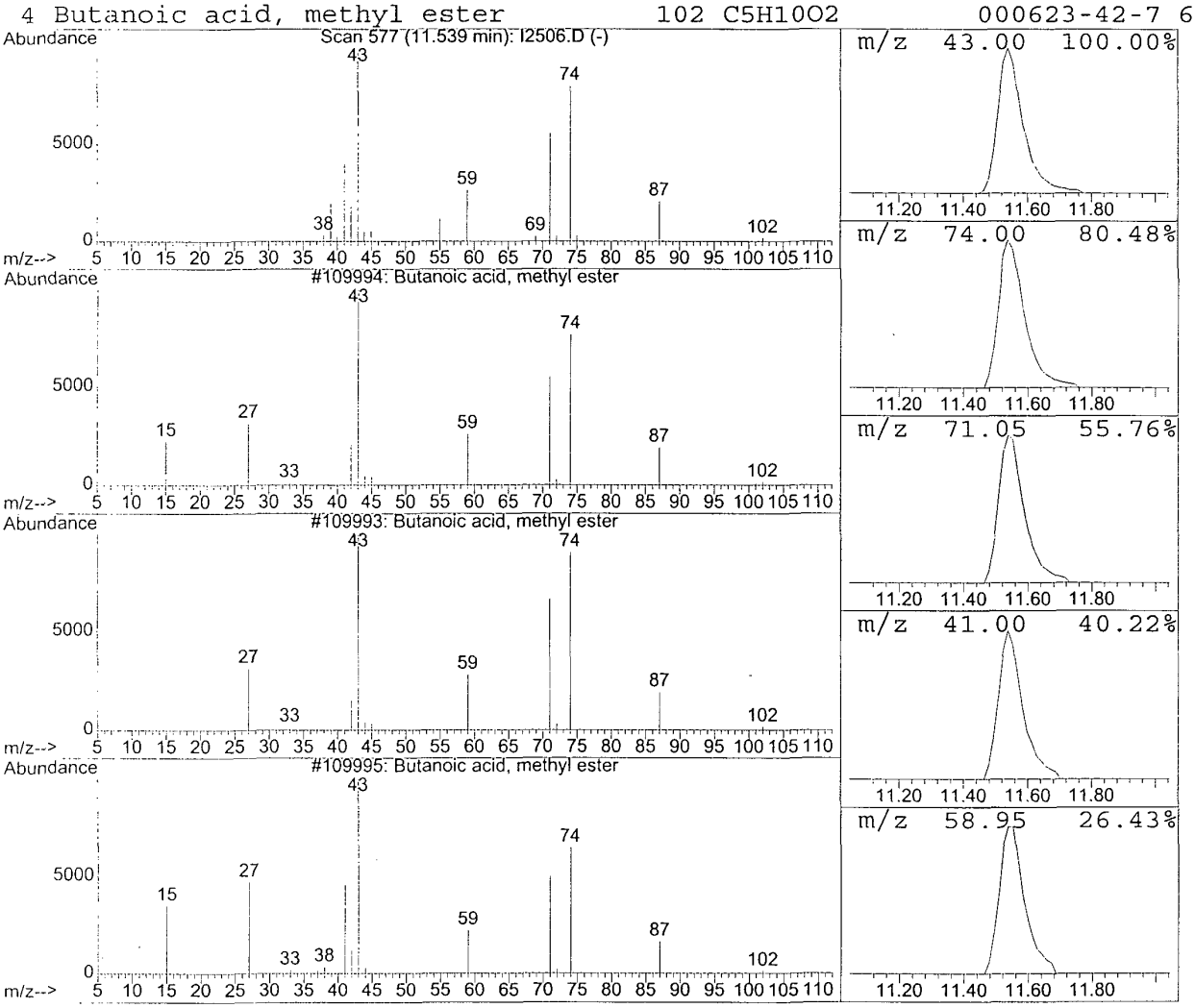
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Unknown alkane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	52.38 UG	1889710	1,4-Difluorobenzene	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	91
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	91
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	90
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	64



0135

301393

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2507.D Vial: 38
Acq On : 19 Feb 2003 6:40 Operator: DPEI
Sample : SB-T12-11/11-11.5,01235-002,M,0.041g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:06 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.31	168	722066	50.00	UG	0.08
31) 1,4-Difluorobenzene	10.41	114	791640	50.00	UG	0.09
50) Chlorobenzene-d5	14.73	117	664556	50.00	UG	0.10

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.77	65	184235	33.16	UG	0.10
Spiked Amount 50.000	Range 36 - 115		Recovery = 66.32%			
41) Toluene-d8	12.59	98	572824	42.18	UG	0.10
Spiked Amount 50.000	Range 35 - 117		Recovery = 84.36%			
59) Bromofluorobenzene	16.50	95	318640	30.81	UG	0.11
Spiked Amount 50.000	Range 47 - 115		Recovery = 61.62%			

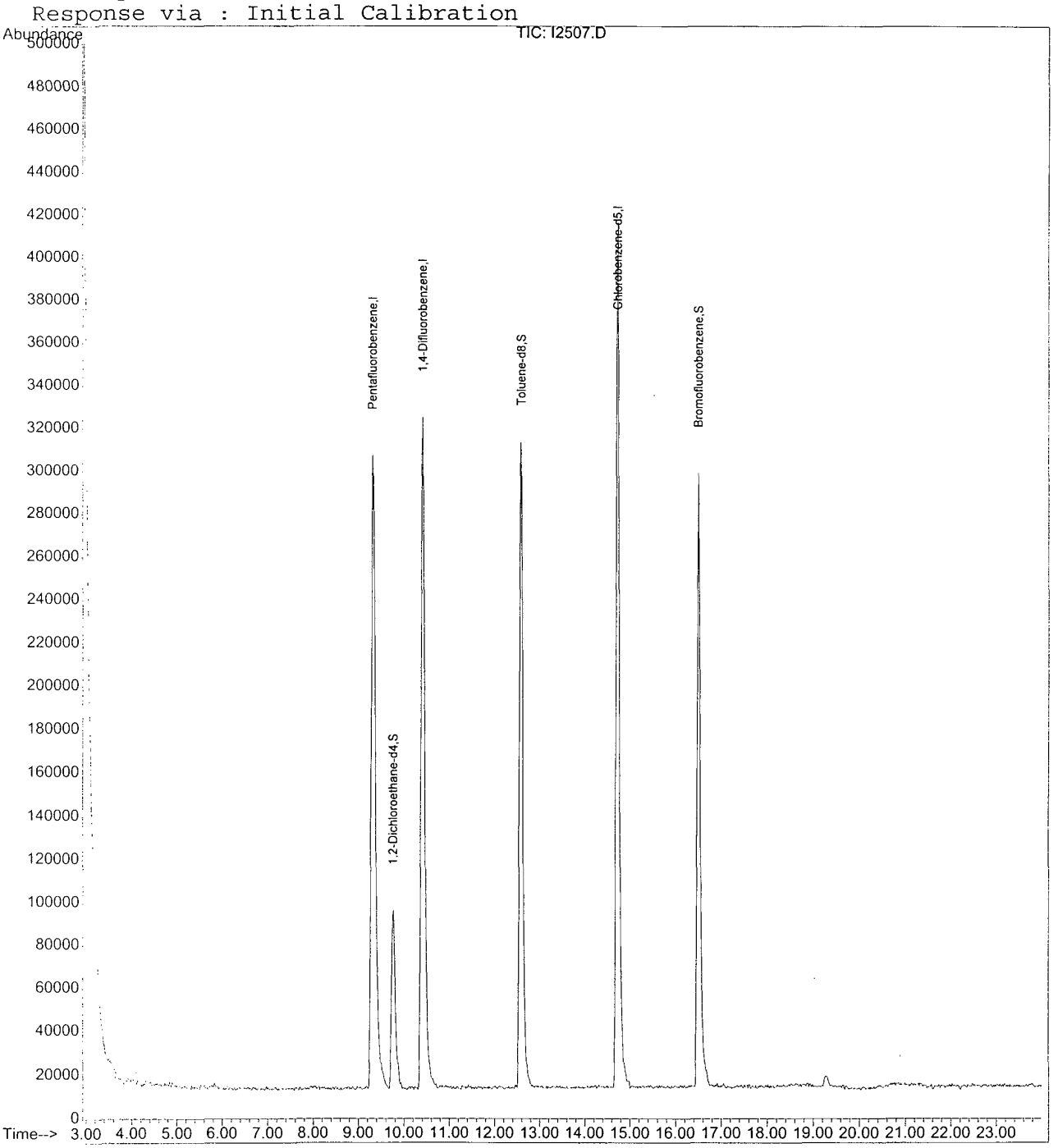
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2507.D Vial: 38
Acq On : 19 Feb 2003 6:40 Operator: DPEI
Sample : SB-T12-11/11-11.5,01235-002,M,0.041g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:06 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2507.D Vial: 38
Acq On : 19 Feb 2003 6:40 Operator: DPEI
Sample : SB-T12-11/11-11.5,01235-002,M,0.041g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

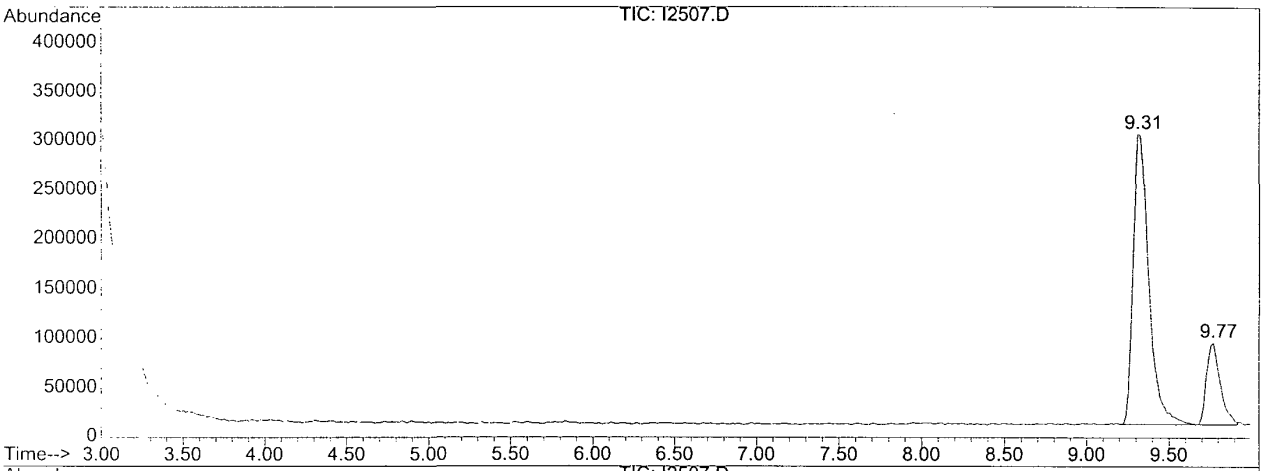
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.311	425	432	457	rVB	294029	1949726	98.97%	21.215%
2	9.770	457	463	473	rBV	82842	487771	24.76%	5.307%
3	10.408	499	506	520	rBV	312142	1795975	91.17%	19.542%
4	12.574	647	652	669	rVV2	299949	1577669	80.09%	17.167%
5	14.725	790	797	812	rBV	402914	1969939	100.00%	21.435%
6	16.503	911	917	928	rBV	284987	1380060	70.06%	15.016%
7	19.272	1100	1104	1111	rBV2	5064	29215	1.48%	0.318%

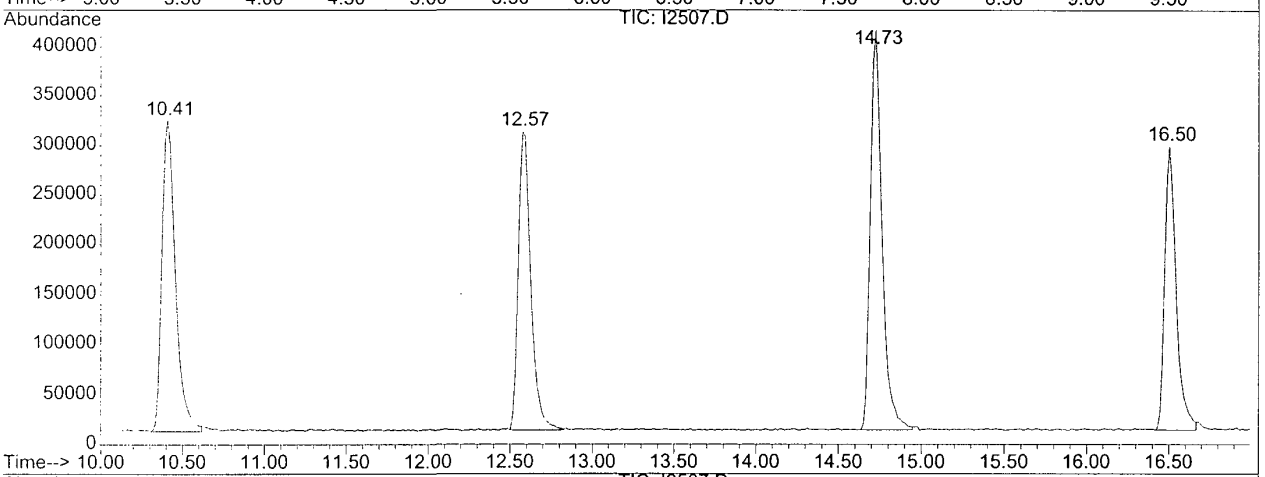
Sum of corrected areas: 9190355

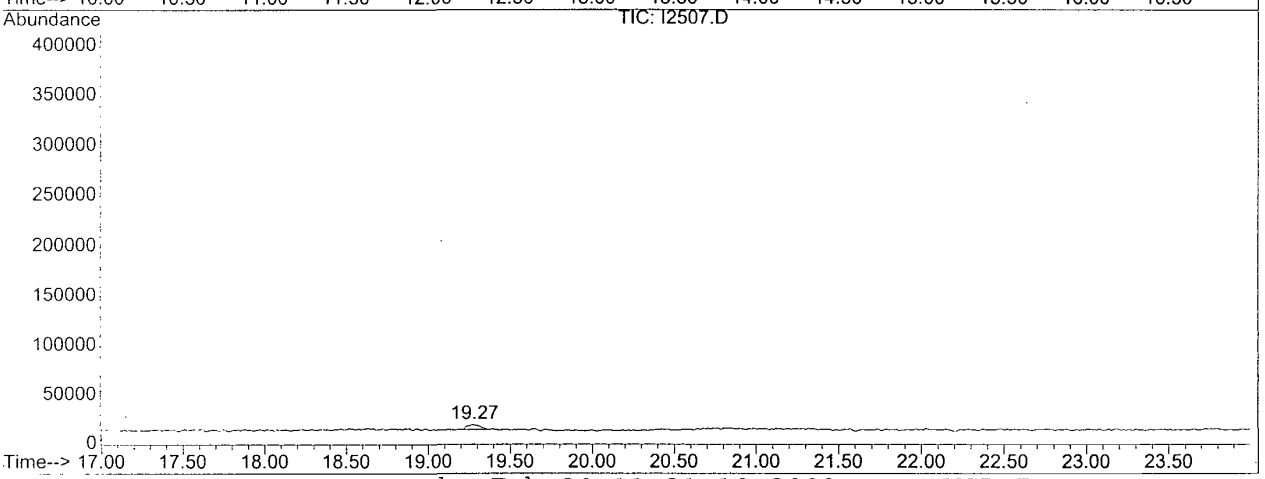
I2507.D IME0214.M Thu Feb 20 11:21:10 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2507.D
Operator : DPEI
Acquired : 19 Feb 2003 6:40 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T12-11/11-11.5,01235-002,M,0.041g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 38
Quant File :IME0214.RES (RTE Integrator)







I2507.D IME0214.M Thu Feb 20 11:21:10 2003 MSD_I

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2508.D Vial: 39
Acq On : 19 Feb 2003 7:10 Operator: DPEI
Sample : SB-T12-14/14-14.5,01235-003,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:06 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.32	168	721366	50.00	UG	0.09
31) 1,4-Difluorobenzene	10.41	114	797023	50.00	UG	0.09
50) Chlorobenzene-d5	14.73	117	666133	50.00	UG	0.11

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.76	65	189154	34.08	UG	0.09
Spiked Amount 50.000	Range 36 - 115		Recovery = 68.16%			
41) Toluene-d8	12.58	98	589548	43.11	UG	0.08
Spiked Amount 50.000	Range 35 - 117		Recovery = 86.22%			
59) Bromofluorobenzene	16.50	95	320854	30.95	UG	0.10
Spiked Amount 50.000	Range 47 - 115		Recovery = 61.90%			

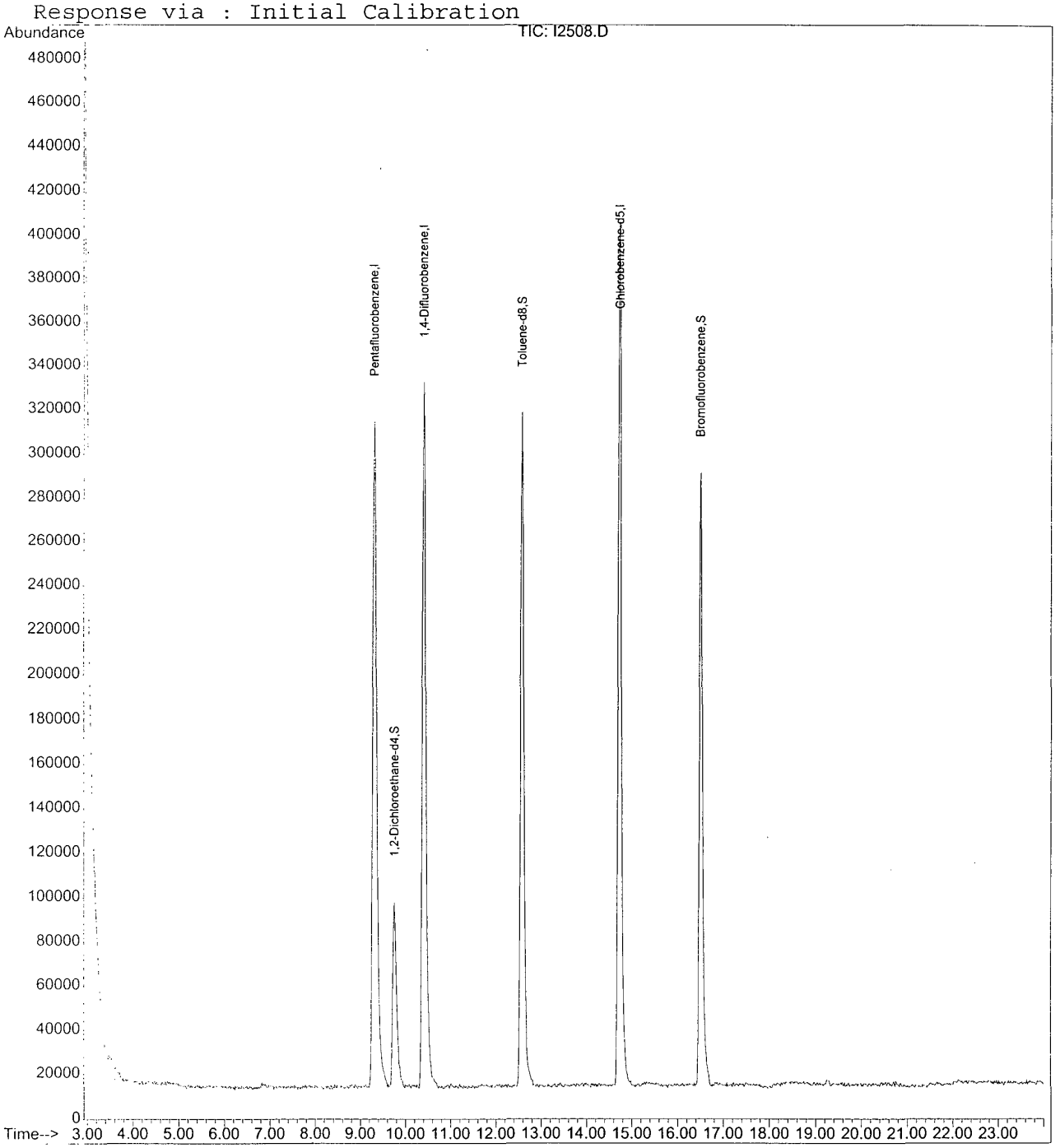
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2508.D Vial: 39
Acq On : 19 Feb 2003 7:10 Operator: DPEI
Sample : SB-T12-14/14-14.5,01235-003,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:06 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2508.D Vial: 39
Acq On : 19 Feb 2003 7:10 Operator: DPEI
Sample : SB-T12-14/14-14.5,01235-003,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

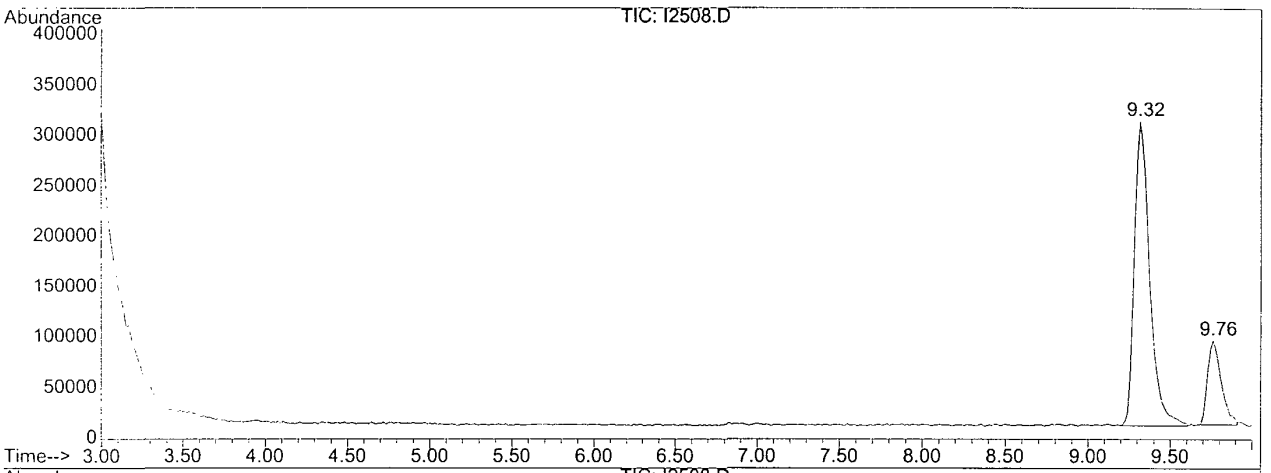
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.315	420	428	448	rVB	301197	1947057	99.82%	21.157%
2	9.760	452	458	468	rBV	82931	487443	24.99%	5.297%
3	10.407	494	501	514	rBV	319367	1805750	92.58%	19.621%
4	12.577	639	646	661	rBV2	304575	1610118	82.55%	17.496%
5	14.735	784	790	806	rBV	391990	1950575	100.00%	21.195%
6	16.513	903	909	924	rVB	277352	1402033	71.88%	15.235%

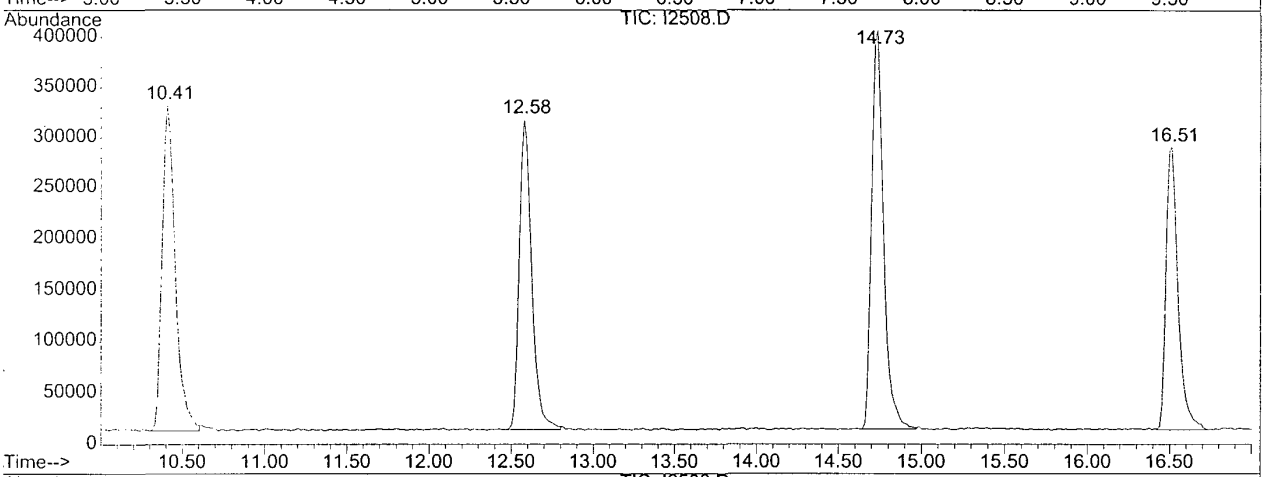
Sum of corrected areas: 9202976

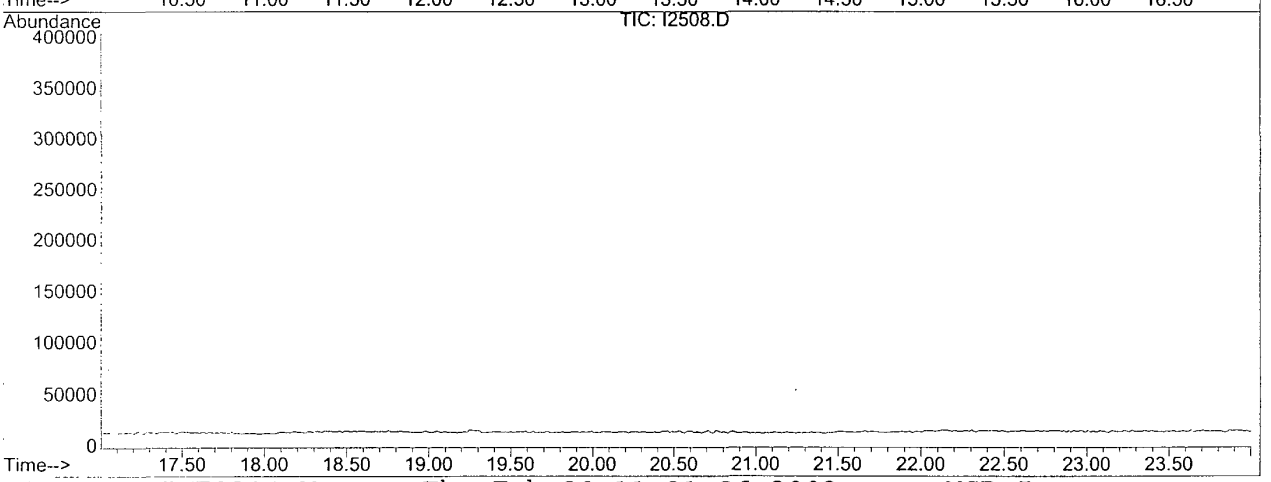
I2508.D IME0214.M Thu Feb 20 11:21:25 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2508.D
Operator : DPEI
Acquired : 19 Feb 2003 7:10 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T12-14/14-14.5,01235-003,M,0.045g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 39
Quant File :IME0214.RES (RTE Integrator)







I2508.D IME0214.M Thu Feb 20 11:21:26 2003 MSD_I

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2509.D Vial: 40
Acq On : 19 Feb 2003 7:39 Operator: DPEI
Sample : SB-W13-0/0-0.5,01235-004,M,0.044g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:08 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.31	168	713149	50.00 UG	0.08
31) 1,4-Difluorobenzene	10.41	114	778022	50.00 UG	0.09
50) Chlorobenzene-d5	14.73	117	670370	50.00 UG	0.11

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.76	65	192724	35.12 UG	0.08
Spiked Amount 50.000	Range 36 - 115		Recovery = 70.24%		
41) Toluene-d8	12.58	98	596828	44.71 UG	0.08
Spiked Amount 50.000	Range 35 - 117		Recovery = 89.42%		
59) Bromofluorobenzene	16.49	95	326849	31.33 UG	0.10
Spiked Amount 50.000	Range 47 - 115		Recovery = 62.66%		

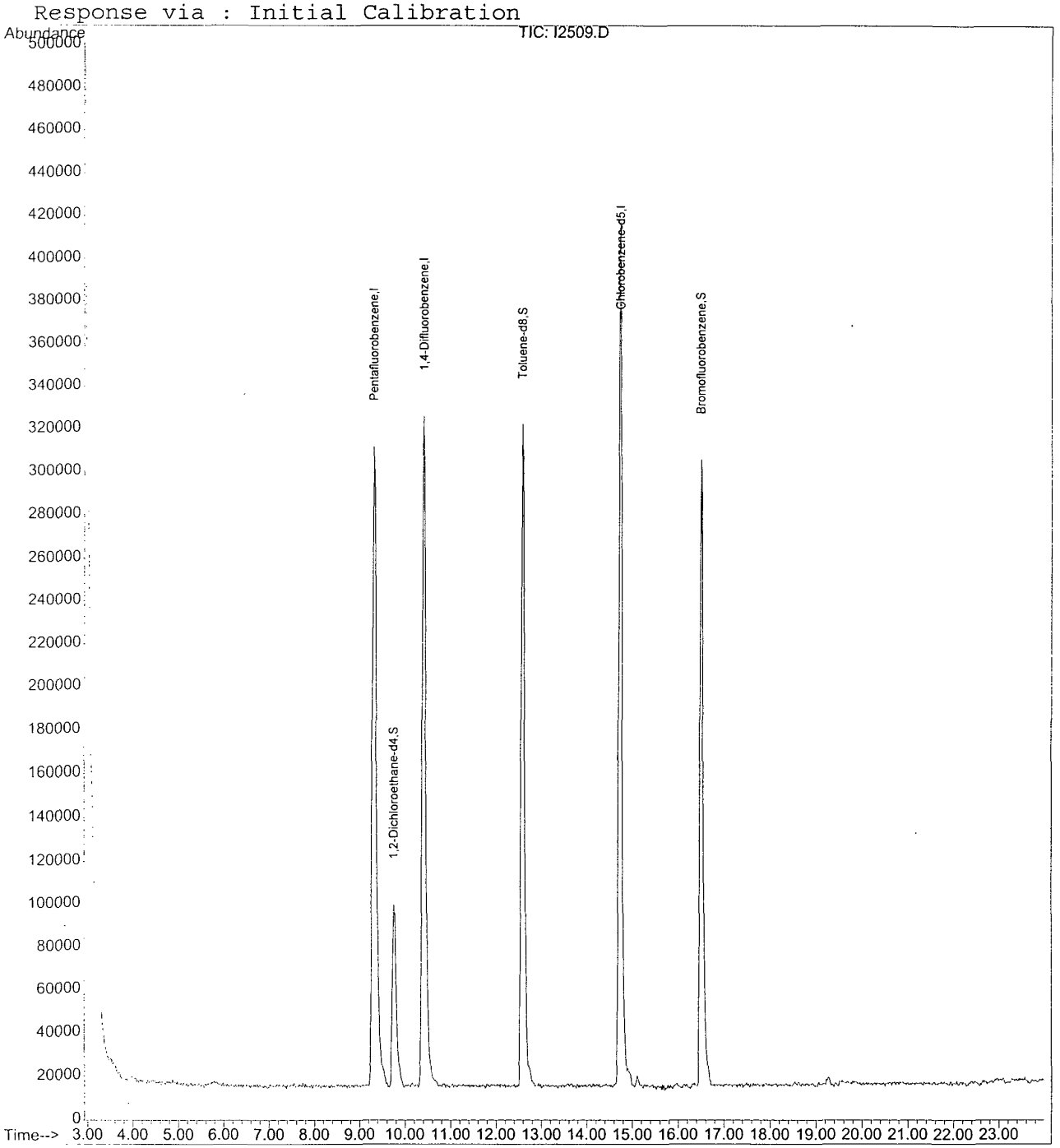
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2509.D Vial: 40
Acq On : 19 Feb 2003 7:39 Operator: DPEI
Sample : SB-W13-0/0-0.5,01235-004,M,0.044g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:08 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2509.D Vial: 40
Acq On : 19 Feb 2003 7:39 Operator: DPEI
Sample : SB-W13-0/0-0.5,01235-004,M,0.044g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

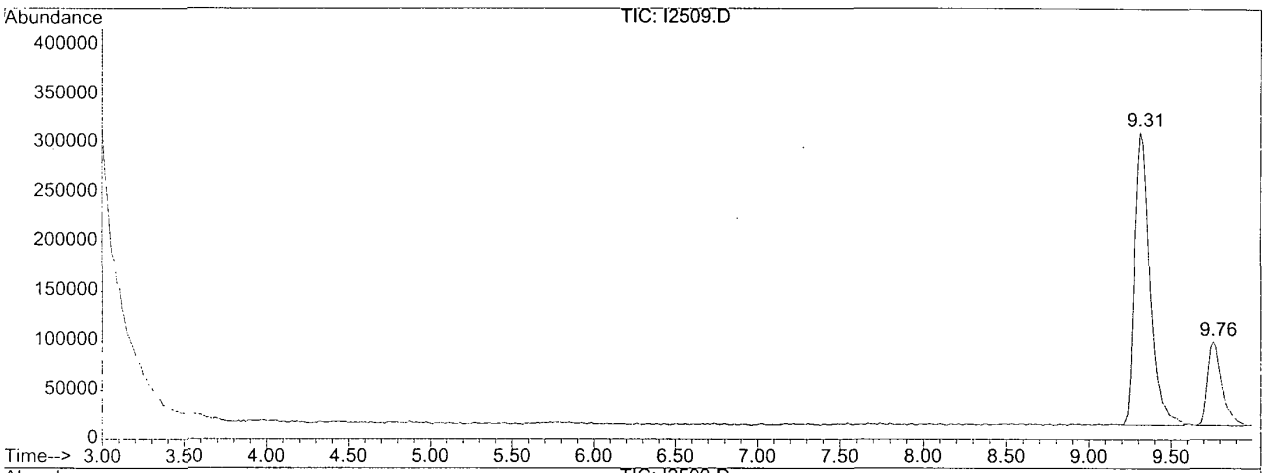
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.313	424	431	449	rBV	296804	1914113	98.56%	20.689%
2	9.758	454	461	475	rBV2	85377	528738	27.23%	5.715%
3	10.410	497	505	527	rBV	311823	1796528	92.51%	19.418%
4	12.576	646	651	670	rVB	307515	1635842	84.24%	17.681%
5	14.731	790	796	806	rBV	401095	1941985	100.00%	20.990%
6	16.494	910	915	930	rVB	290640	1434689	73.88%	15.507%

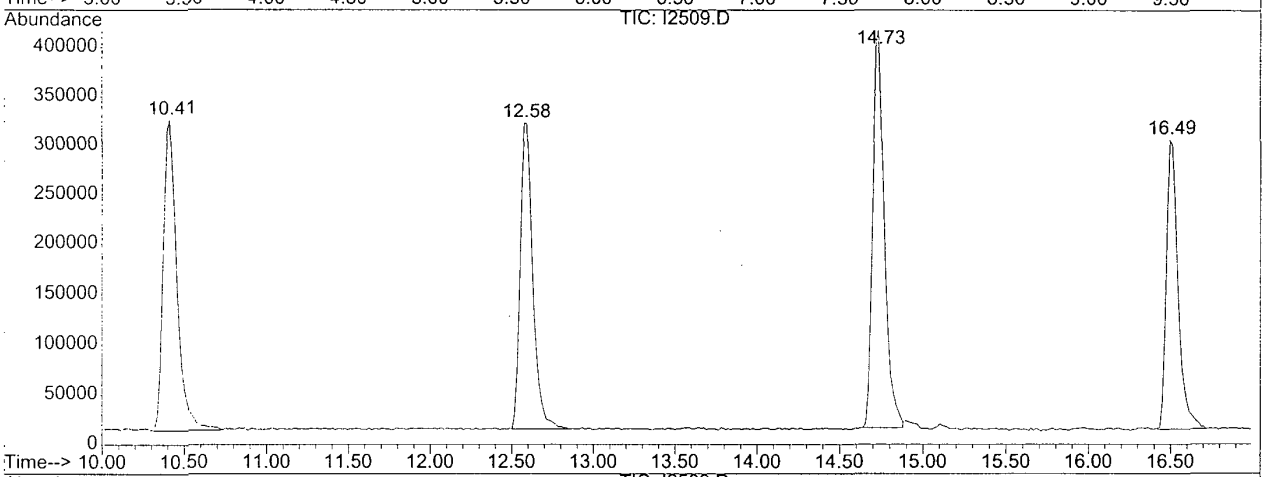
Sum of corrected areas: 9251895

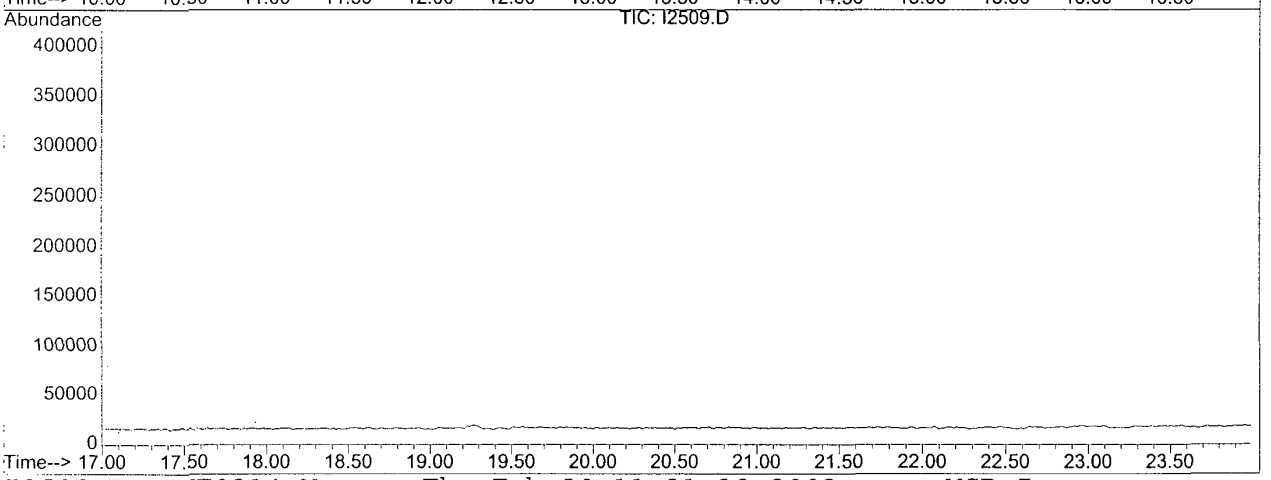
I2509.D IME0214.M Thu Feb 20 11:21:38 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2509.D
Operator : DPEI
Acquired : 19 Feb 2003 7:39 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-W13-0/0-0.5,01235-004,M,0.044g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 40
Quant File :IME0214.RES (RTE Integrator)







I2509.D IME0214.M Thu Feb 20 11:21:38 2003 MSD_I

Quantitation Report (QT/LSC Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:09 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

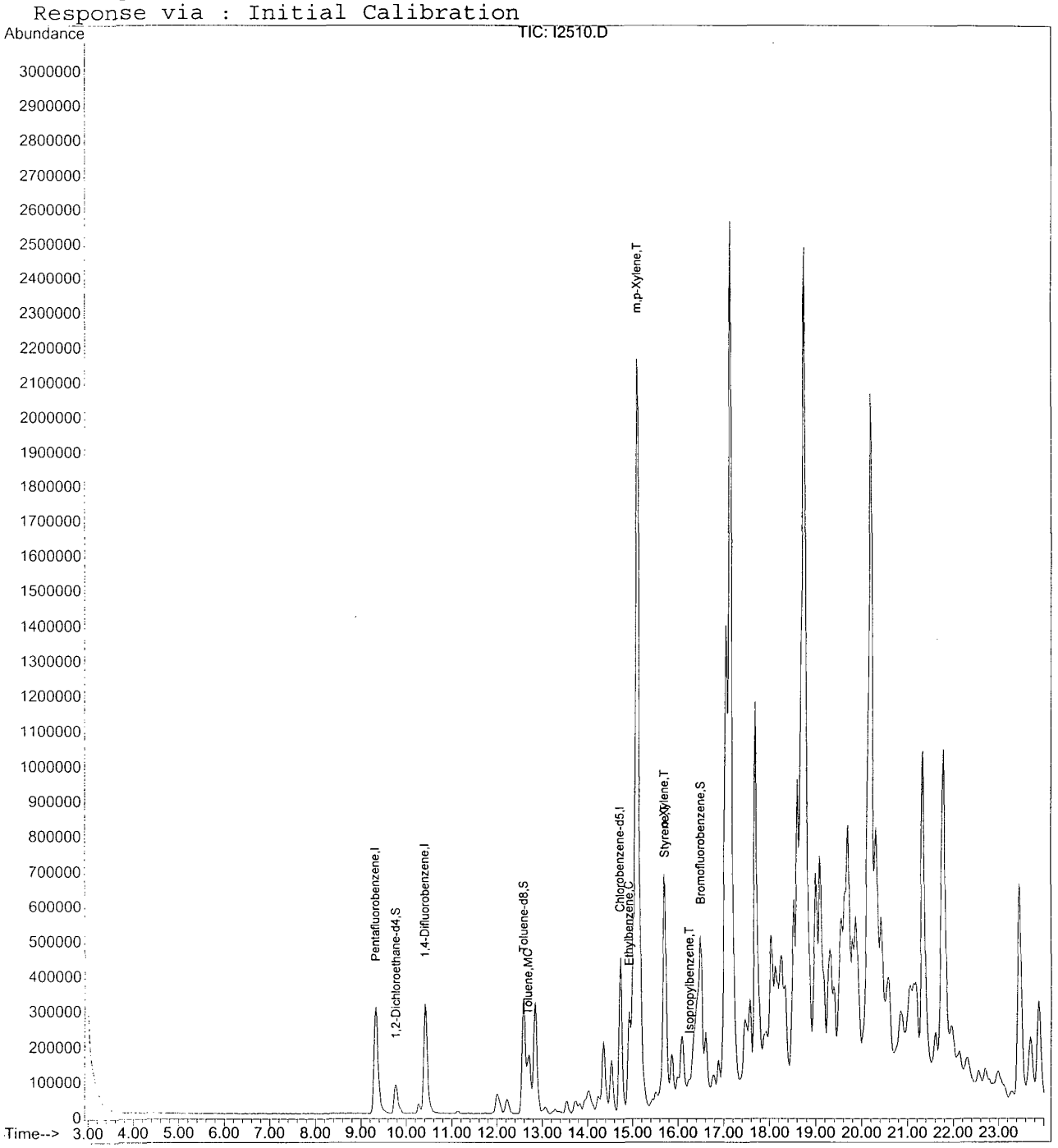
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.32	168	716445	50.00	UG	0.09
31) 1,4-Difluorobenzene	10.41	114	781667	50.00	UG	0.09
50) Chlorobenzene-d5	14.73	117	675393	50.00	UG	0.10
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	9.77	65	184584	33.48	UG	0.09
Spiked Amount 50.000	Range 36 - 115		Recovery = 66.96%			
41) Toluene-d8	12.59	98	563993	42.06	UG	0.10
Spiked Amount 50.000	Range 35 - 117		Recovery = 84.12%			
59) Bromofluorobenzene	16.50	95	336639	32.03	UG	0.10
Spiked Amount 50.000	Range 47 - 115		Recovery = 64.06%			
Target Compounds						Qvalue
42) Toluene	12.68	92	104588	12.66	UG	98
53) Ethylbenzene	14.92	91	445605	29.09	UG	99
54) m,p-Xylene	15.10	106	946815	170.02	UG	94
55) o-Xylene	15.70	106	379858	67.78	UG	95
56) Styrene	15.72	104	154981	16.70	UG #	91
58) Isopropylbenzene	16.25	105	65061	5.17	UG #	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:09 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



0149

301407

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.322	423	431	454	rBV	301789	1947925	12.42%	1.592%
2	9.767	454	461	473	rBV	82062	491728	3.13%	0.402%
3	10.406	499	504	521	rVB	308899	1758845	11.21%	1.438%
4	11.995	602	611	620	rBV4	55958	374918	2.39%	0.306%
5	12.218	620	626	636	rVB	40243	231230	1.47%	0.189%
6	12.590	642	651	655	rBV2	327237	1719453	10.96%	1.406%
7	12.708	656	659	663	rVV2	168313	806756	5.14%	0.660%
8	12.841	663	668	677	rVV	315864	1689588	10.77%	1.381%
9	13.536	710	715	722	rVB2	33536	160930	1.03%	0.132%
10	13.729	722	728	732	rBV3	34215	199171	1.27%	0.163%
11	14.026	738	748	757	rVB3	53021	446324	2.84%	0.365%
12	14.234	757	762	765	rBV3	37237	179618	1.14%	0.147%
13	14.354	765	770	777	rVB2	179032	861414	5.49%	0.704%
14	14.532	777	782	789	rVB	144844	699126	4.46%	0.572%
15	14.726	789	795	803	rBV	434111	2021997	12.89%	1.653%
16	14.918	803	808	810	rBV	265773	1043332	6.65%	0.853%
17	15.095	815	820	838	rVB2	2137058	12595065	80.28%	10.296%
18	15.702	852	861	868	rBV2	632112	3181947	20.28%	2.601%
19	15.864	868	872	877	rVB	102332	410433	2.62%	0.336%
20	16.087	882	887	894	rVB3	144722	704295	4.49%	0.576%
21	16.486	899	914	919	rBV5	407893	3421294	21.81%	2.797%
22	16.605	919	922	929	rVB	157469	637212	4.06%	0.521%
23	16.768	929	933	937	rBV4	35673	157098	1.00%	0.128%
24	16.886	937	941	944	rBV	74111	259323	1.65%	0.212%
25	17.049	944	952	954	rBV2	1288906	5867158	37.40%	4.796%
26	17.138	954	958	972	rVB	2461298	12368482	78.84%	10.111%
27	17.463	975	980	984	rBV3	162799	922494	5.88%	0.754%
28	17.568	984	987	991	rVB2	153503	517772	3.30%	0.423%
29	17.687	991	995	1005	rBV	999711	4375312	27.89%	3.577%
30	18.027	1013	1018	1022	rBV3	288997	1338792	8.53%	1.094%
31	18.531	1045	1052	1054	rBV2	475696	2189208	13.95%	1.790%

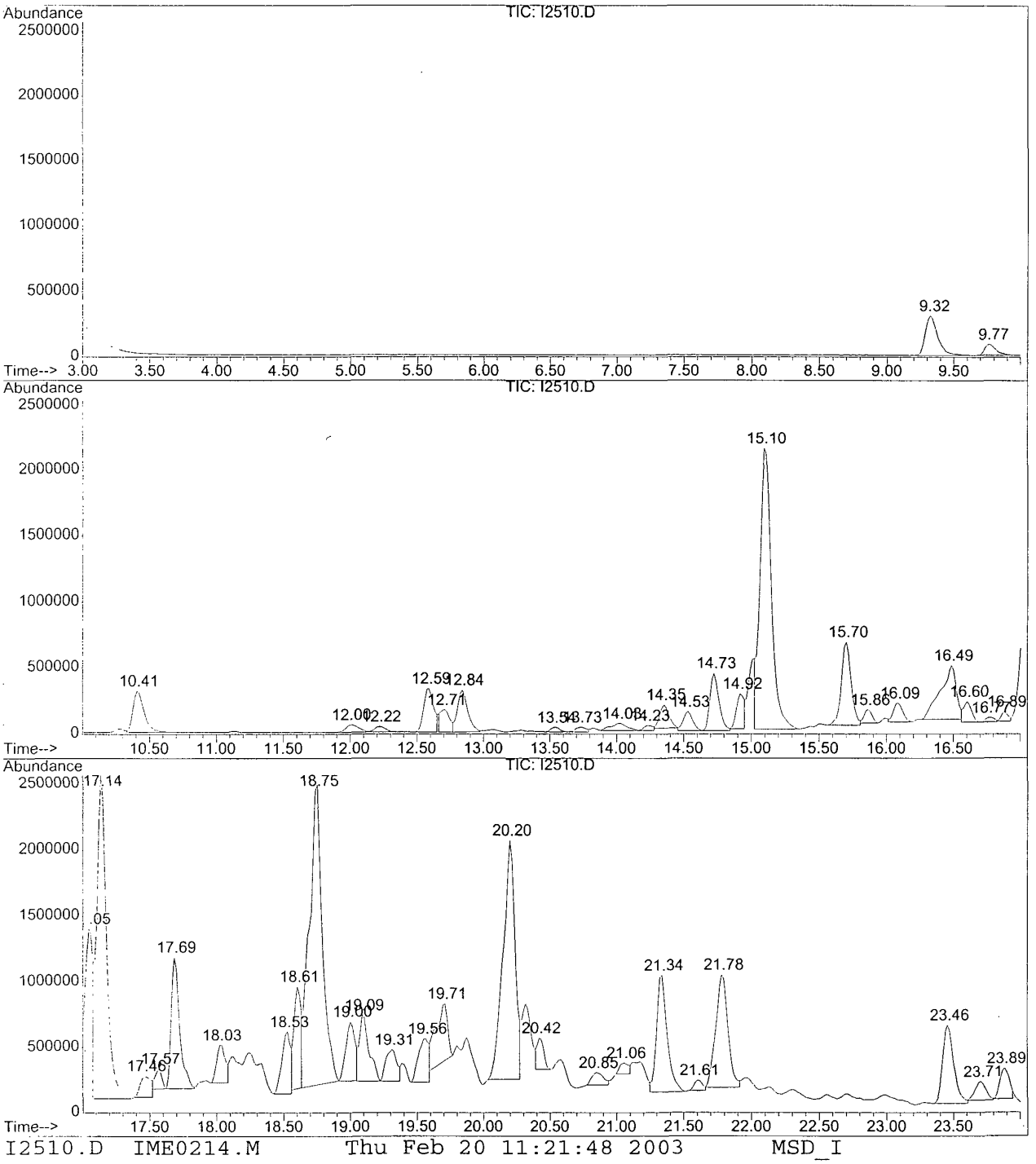
32	18.606	1054	1057	1059	rVV	787804	2841757	18.11%	2.323%
33	18.753	1059	1067	1078	rVB3	2285190	15688937	100.00%	12.826%
34	19.003	1078	1084	1087	rBV2	455054	2164932	13.80%	1.770%
35	19.091	1087	1090	1099	rVB2	508784	2542000	16.20%	2.078%
36	19.314	1099	1105	1109	rBV4	242379	1419507	9.05%	1.160%
37	19.564	1115	1122	1124	rBV4	338378	1889634	12.04%	1.545%
38	19.711	1124	1132	1136	rVB2	419085	2833462	18.06%	2.316%
39	20.200	1154	1165	1170	rBV3	1817979	11546902	73.60%	9.440%
40	20.422	1178	1180	1186	rVB2	241241	814523	5.19%	0.666%
41	20.852	1204	1209	1215	rBV3	94624	577095	3.68%	0.472%
42	21.058	1219	1223	1226	rBV4	83499	410772	2.62%	0.336%
43	21.339	1236	1242	1254	rVB	889478	4846766	30.89%	3.962%
44	21.605	1256	1260	1264	rBV4	79764	351175	2.24%	0.287%
45	21.783	1264	1272	1281	rBV3	861283	5388993	34.35%	4.406%
46	23.459	1378	1385	1395	rBV	600266	3467823	22.10%	2.835%
47	23.710	1395	1402	1408	rBV3	140276	804459	5.13%	0.658%
48	23.889	1408	1414	1418	rBV	232314	1157039	7.37%	0.946%

Sum of corrected areas: 122324016

I2510.D IME0214.M Thu Feb 20 11:21:48 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2510.D
Operator : DPEI
Acquired : 19 Feb 2003 8:09 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-W13-12/12-12.5,01235-005,M,0.042g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 41
Quant File :IME0214.RES (RTE Integrator)



I2510.D IME0214.M Thu Feb 20 11:21:48 2003 MSD_I

0152

301410

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

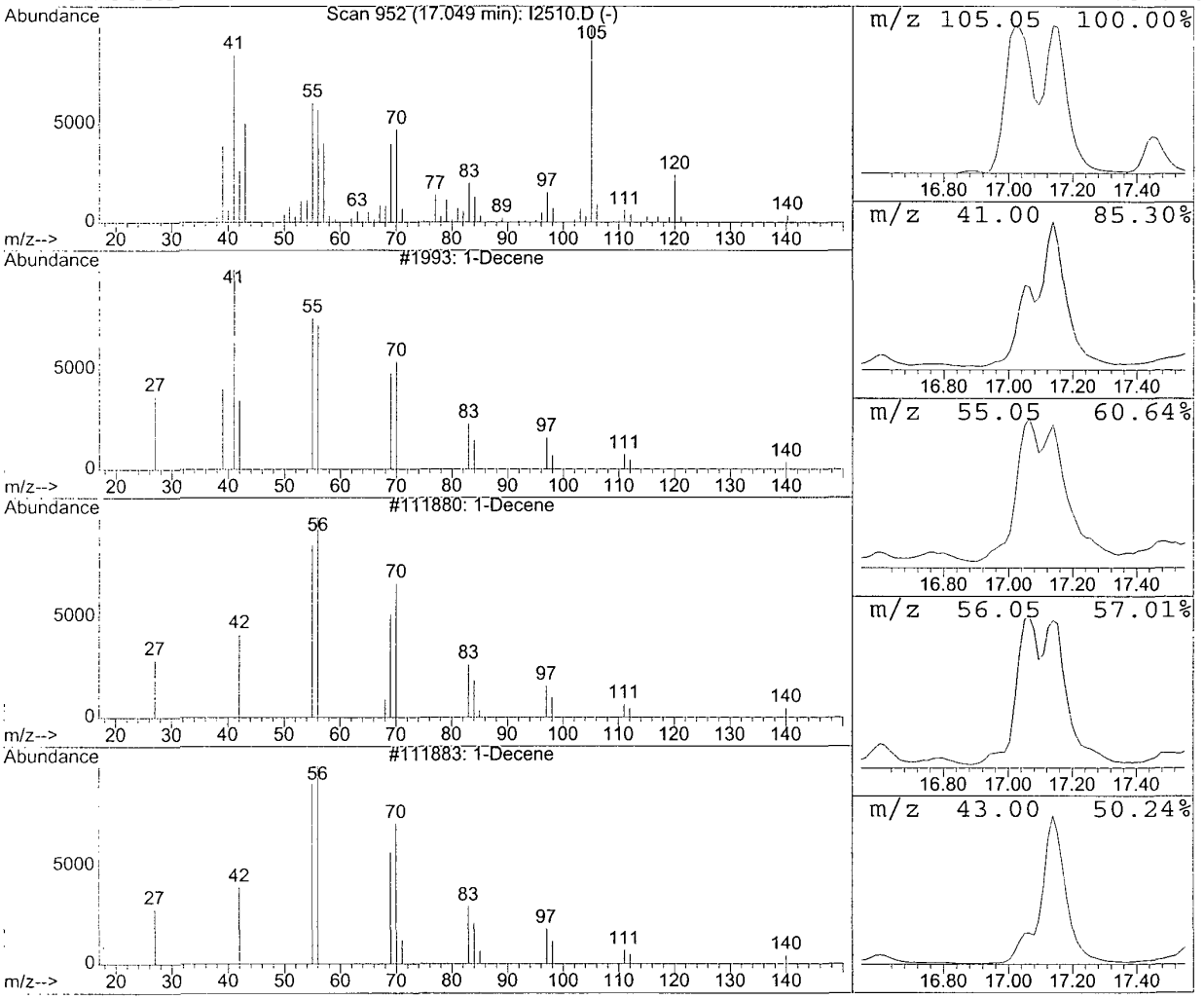
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Unknown alkane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	145.08 UG	5867160	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	96
2	1-Decene	140	C10H20	000872-05-9	95
3	1-Decene	140	C10H20	000872-05-9	95
4	1-Decene	140	C10H20	000872-05-9	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

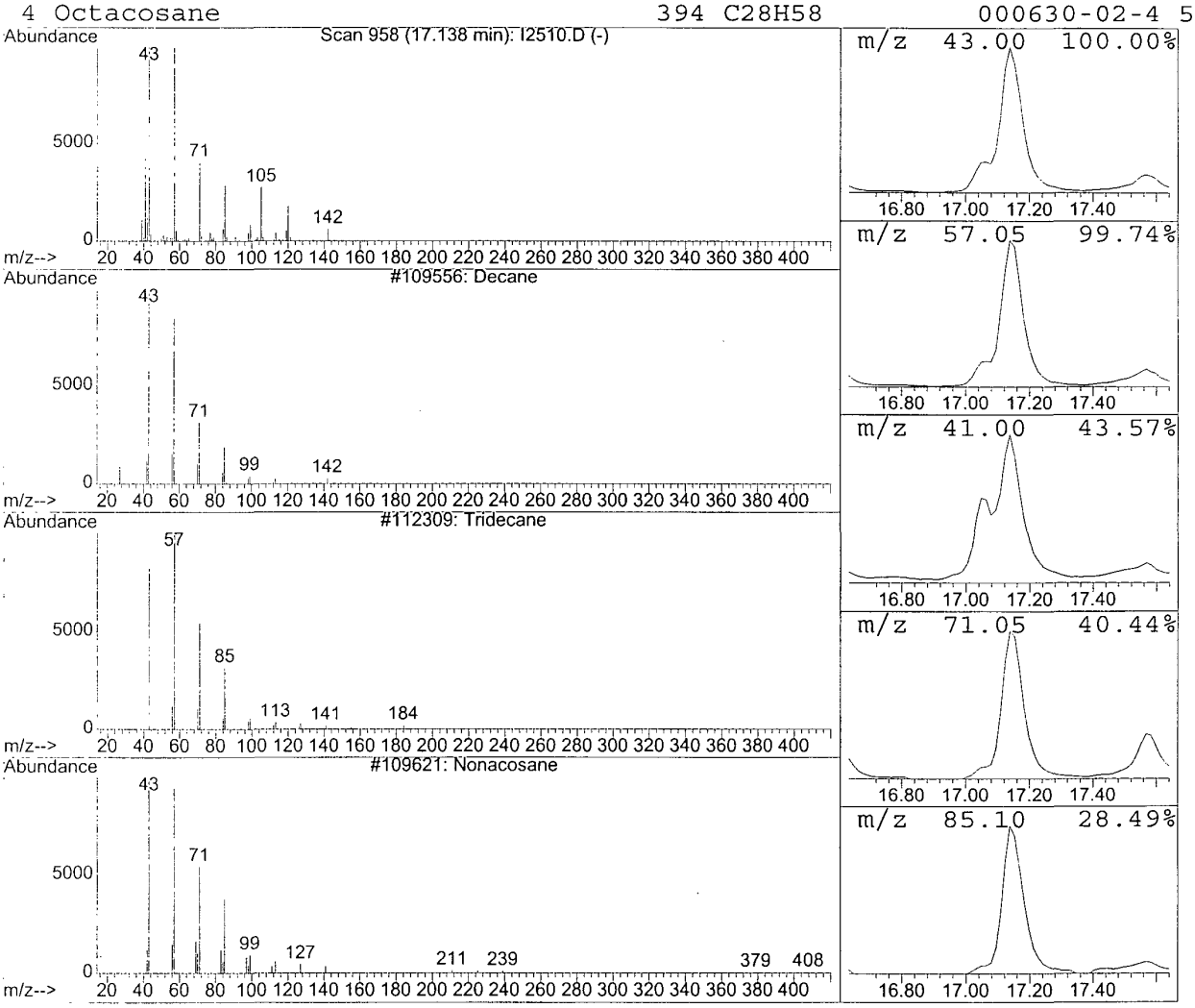
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 2 Unknown alkane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	305.85 UG	12368500	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	64
2	Tridecane	184	C13H28	000629-50-5	53
3	Nonacosane	408	C29H60	000630-03-5	53
4	Octacosane	394	C28H58	000630-02-4	53



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

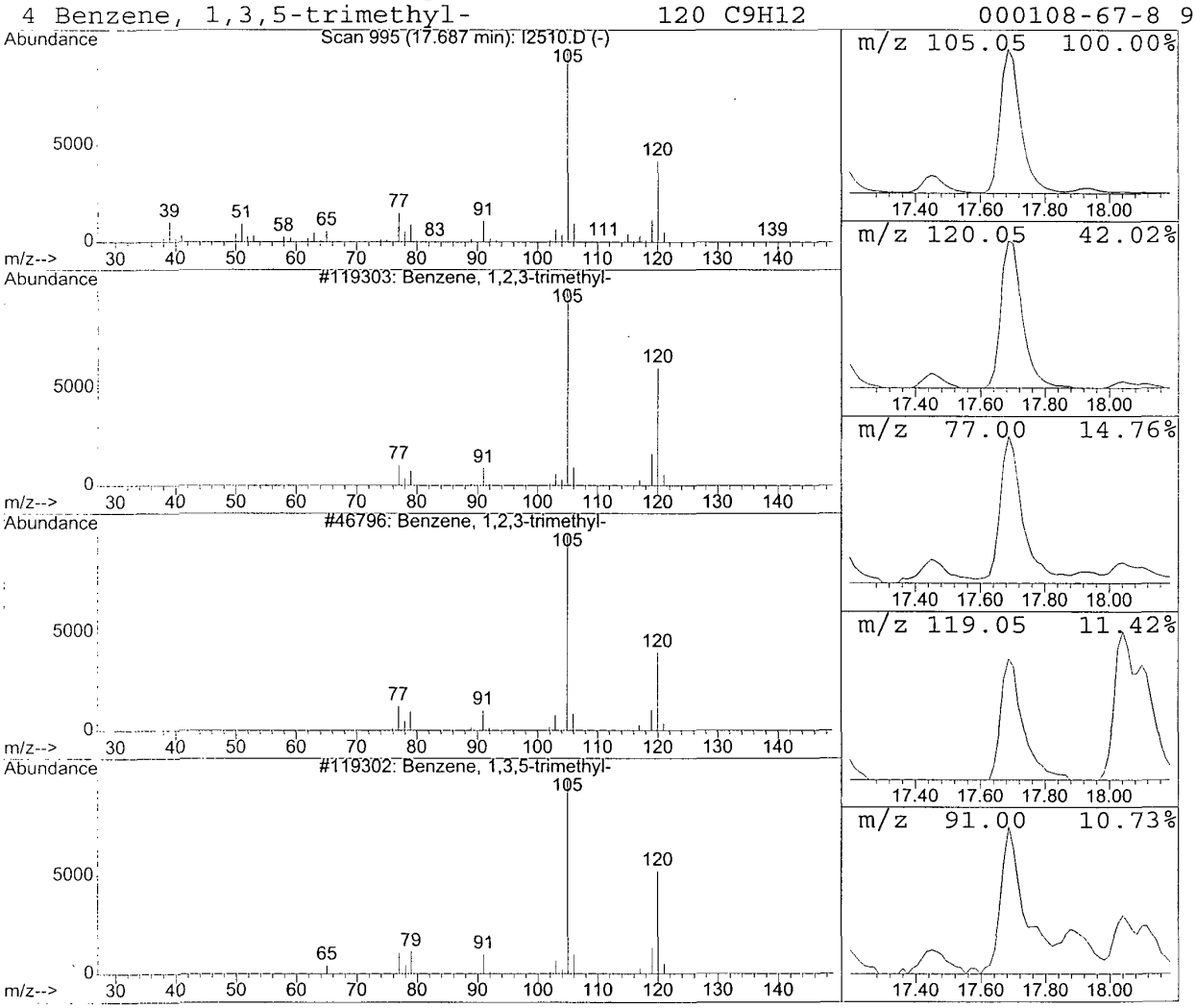
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 3 Substituted benzene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	108.19 UG	4375310	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94



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301413

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

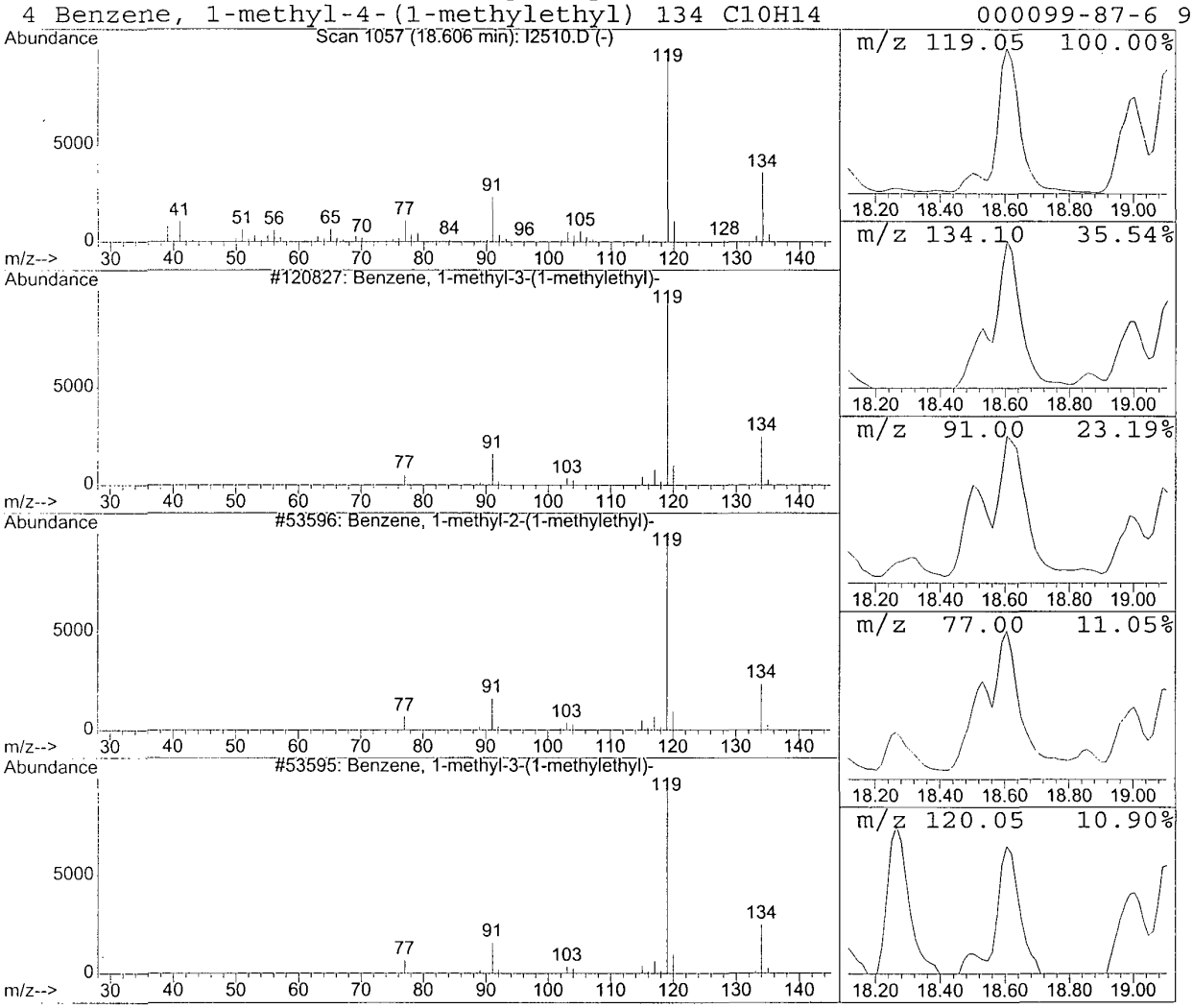
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Substituted benzene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	70.27 UG	2841760	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methylethyl)	134	C10H14	000535-77-3	91
2	Benzene, 1-methyl-2-(1-methylethyl)	134	C10H14	000527-84-4	91
3	Benzene, 1-methyl-3-(1-methylethyl)	134	C10H14	000535-77-3	91
4	Benzene, 1-methyl-4-(1-methylethyl)	134	C10H14	000099-87-6	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

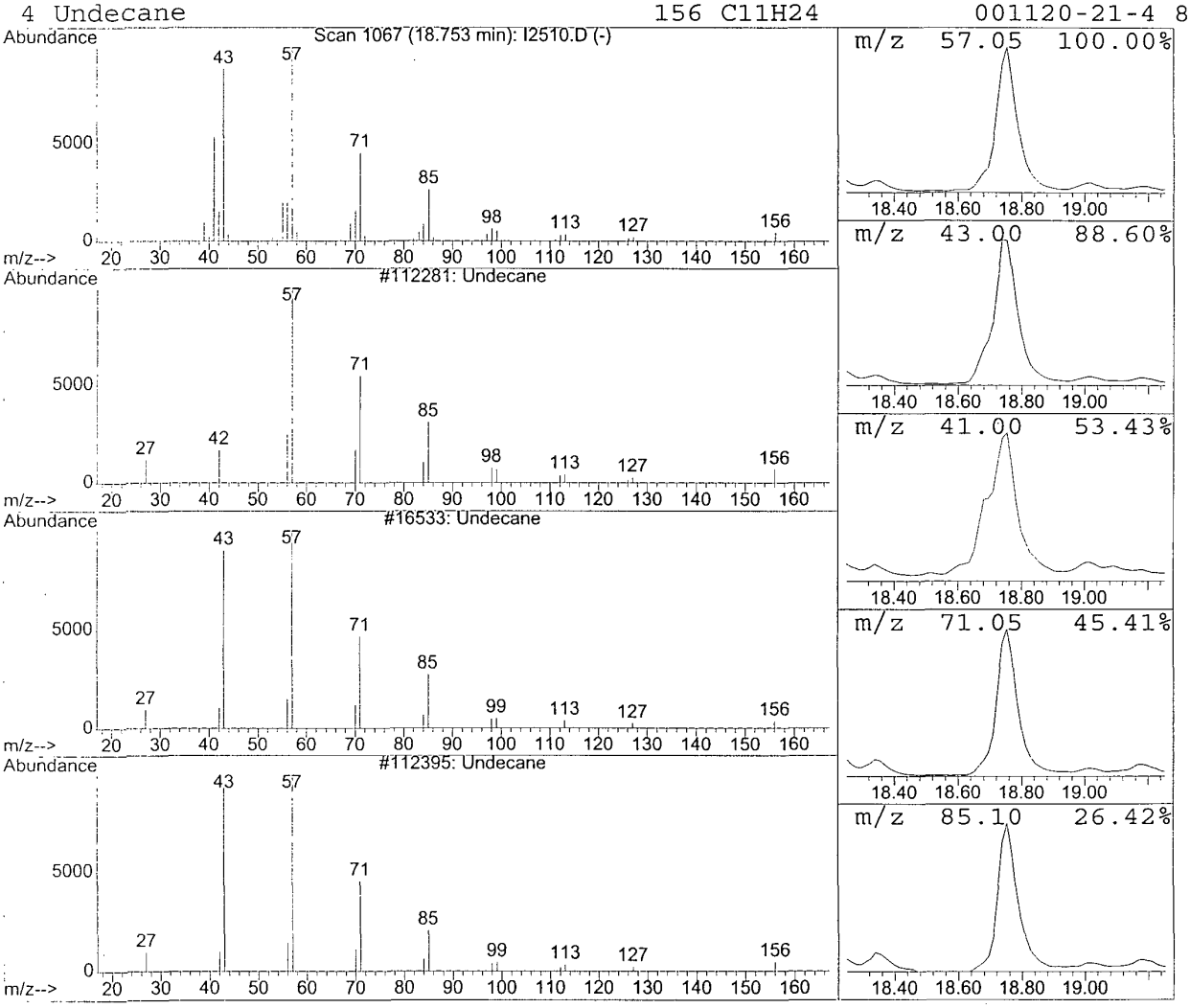
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 5 Unknown alkane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	387.96 UG	15688900	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	91
3	Undecane	156	C11H24	001120-21-4	91
4	Undecane	156	C11H24	001120-21-4	81



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

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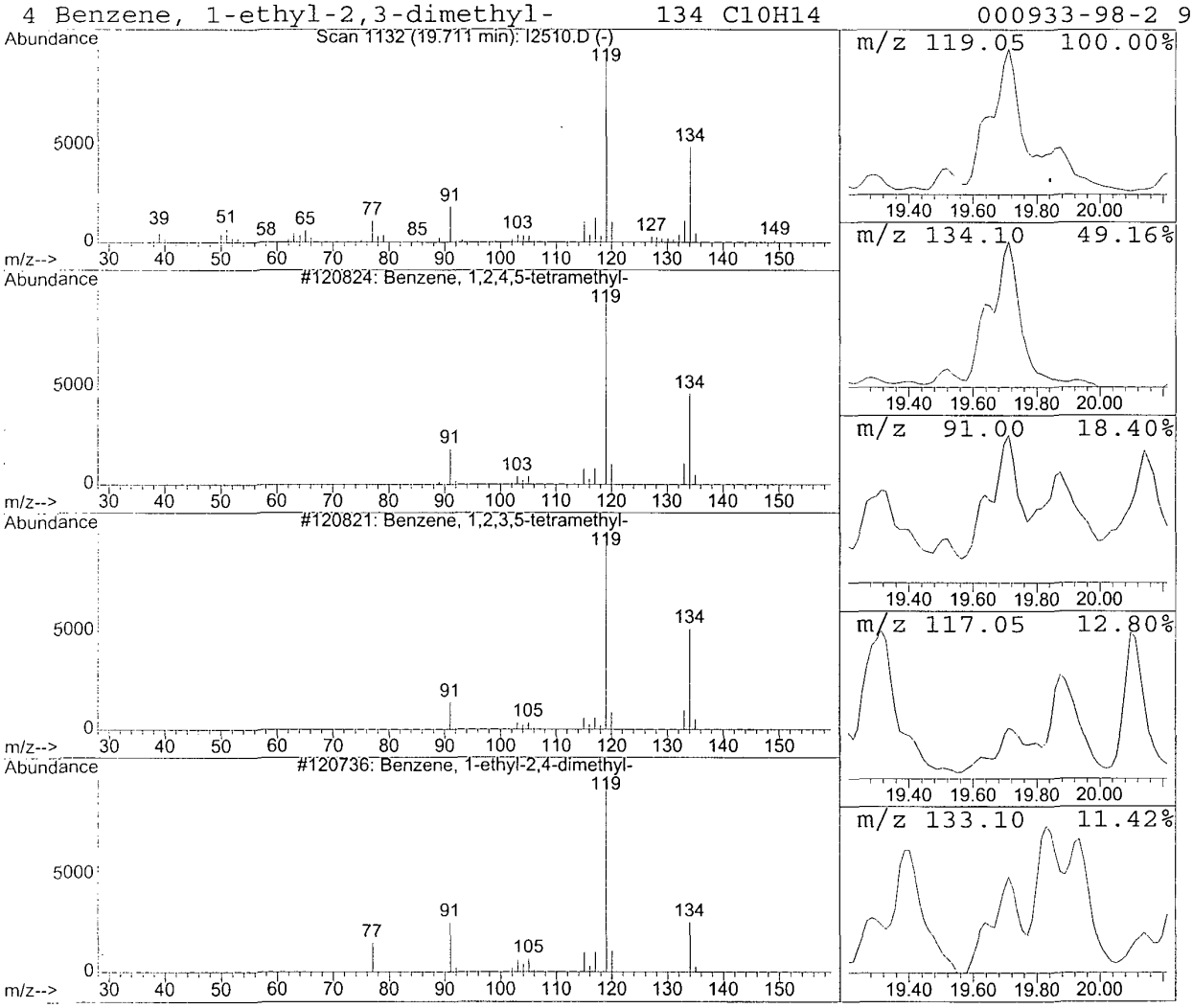
Peak Number 6 Substituted benzene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	70.07 UG	2833460	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



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301416

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

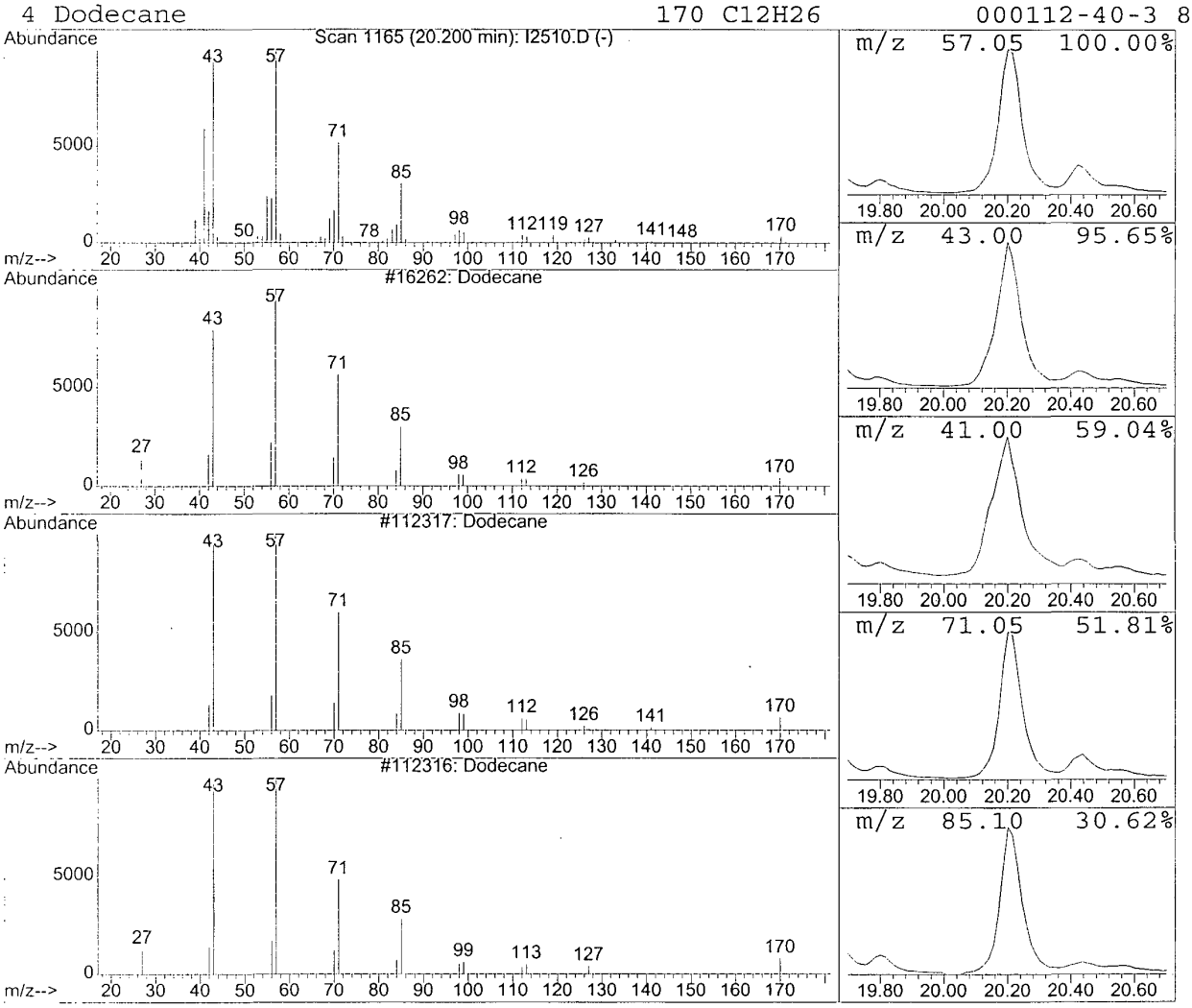
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 7 Unknown alkane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	285.53 UG	11546900	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	95
2	Dodecane	170	C12H26	000112-40-3	94
3	Dodecane	170	C12H26	000112-40-3	90
4	Dodecane	170	C12H26	000112-40-3	87



0159

301417

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

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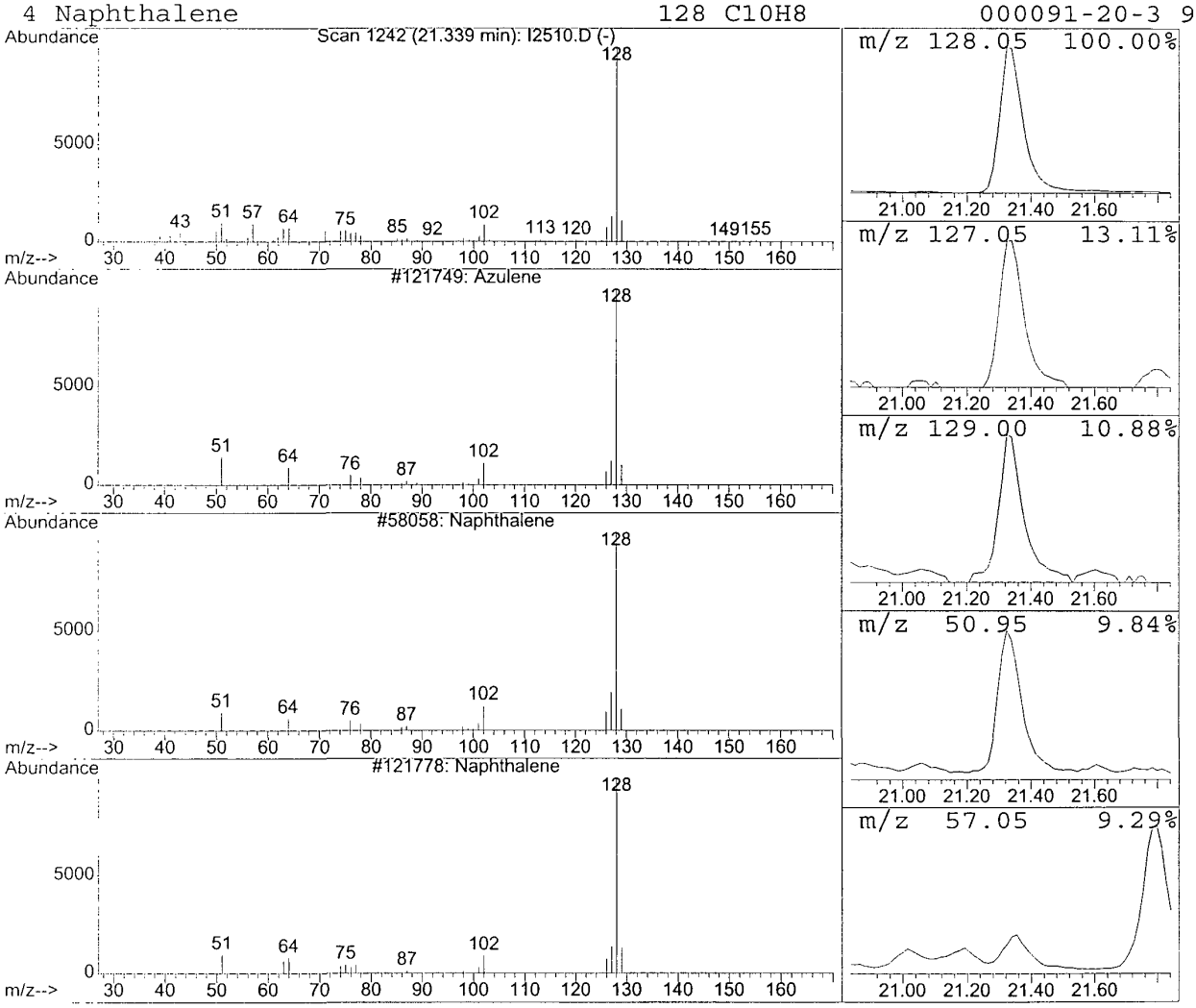
Peak Number 8 Unknown aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	119.85 UG	4846770	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	95
4	Naphthalene	128	C10H8	000091-20-3	94



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

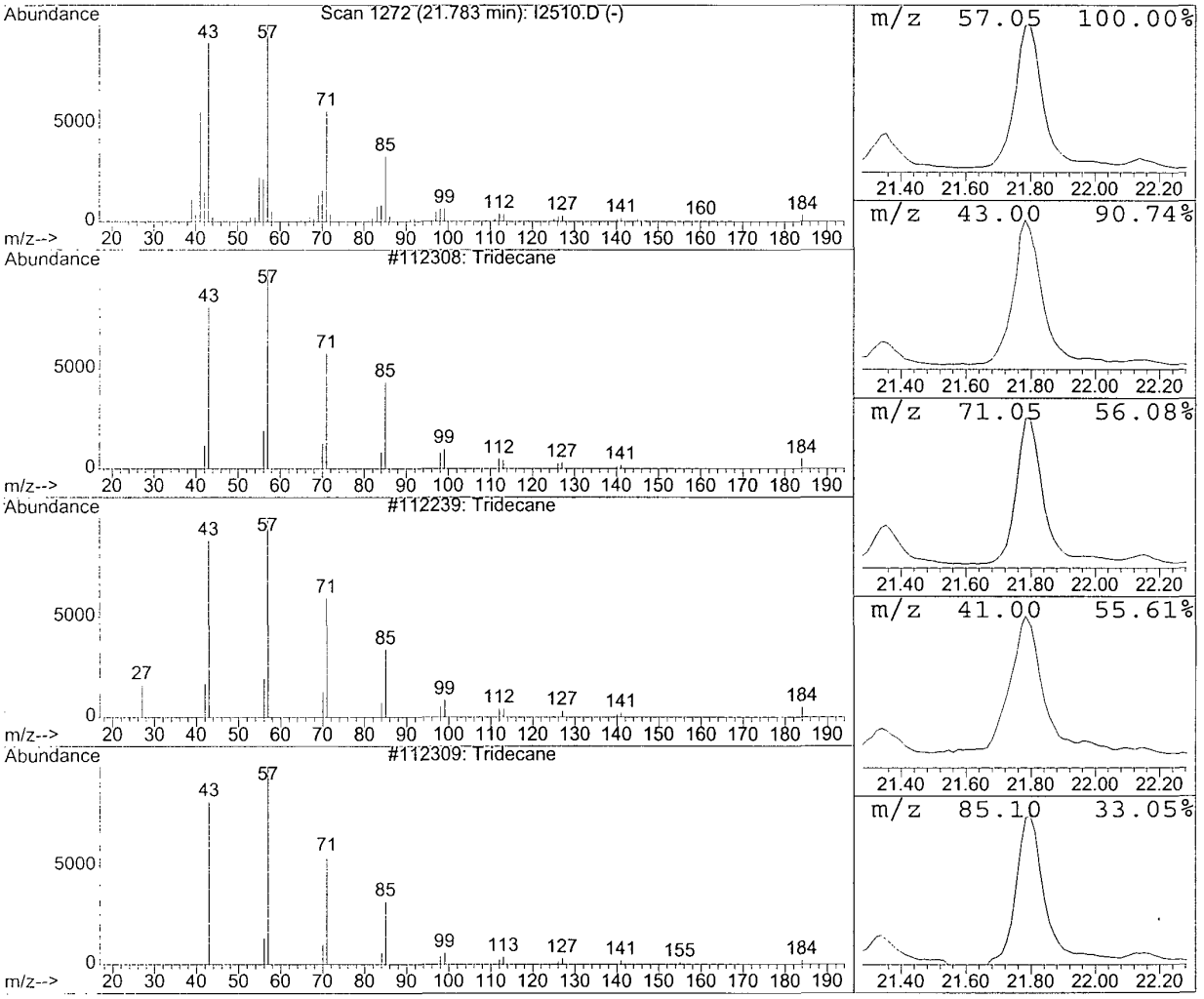
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 9 Unknown alkane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.78	133.26 UG	5388990	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	93
3	Tridecane	184	C13H28	000629-50-5	93
4	Tridecane	184	C13H28	000629-50-5	93



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2510.D Vial: 41
Acq On : 19 Feb 2003 8:09 Operator: DPEI
Sample : SB-W13-12/12-12.5,01235-005,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

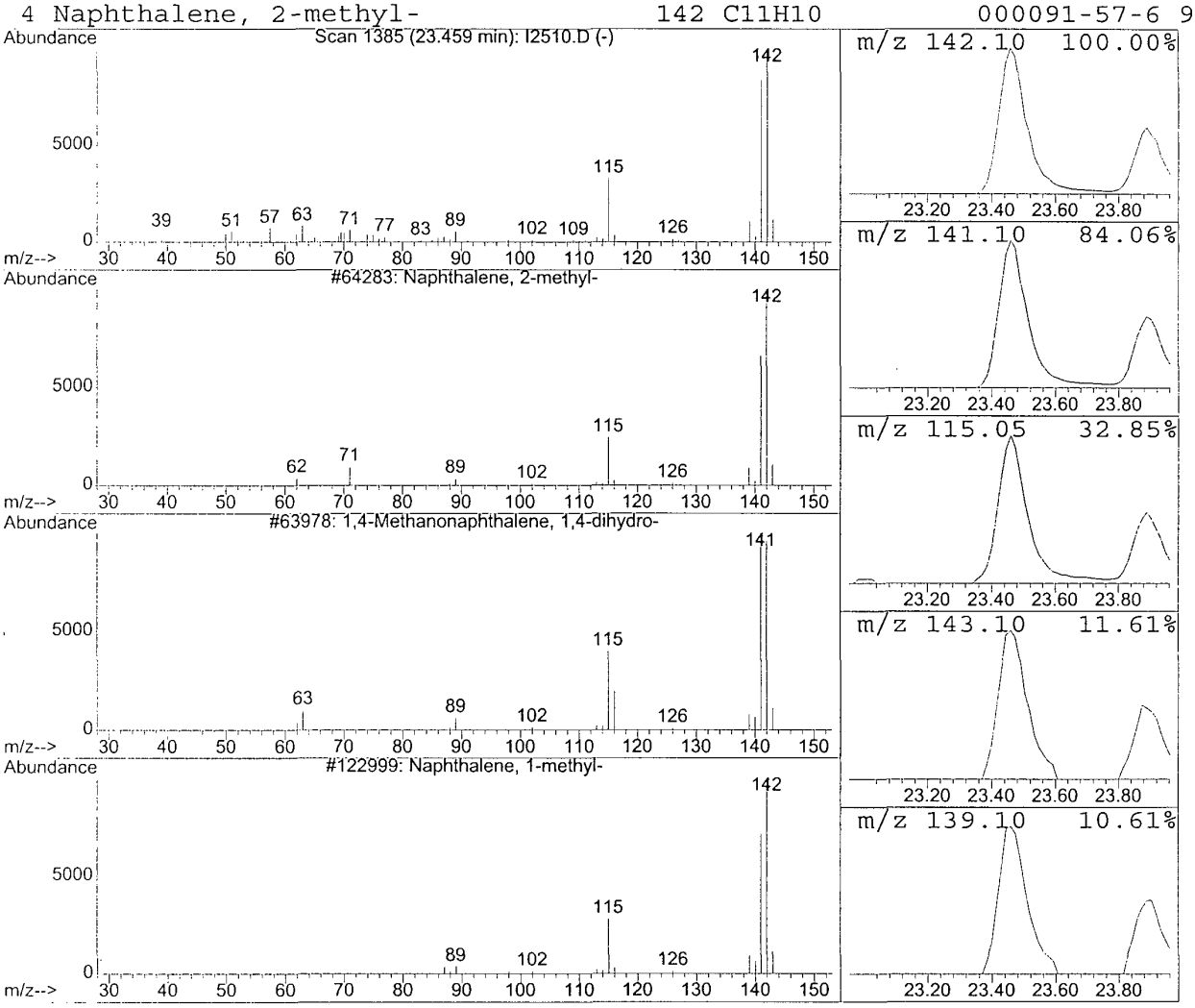
Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NIST98.L

****

Peak Number 10 Unknown aromatic Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	85.75 UG	3467820	Chlorobenzene-d5	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	1,4-Methanonaphthalene, 1,4-dihydro	142	C11H10	004453-90-1	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2517.D Vial: 48
Acq On : 19 Feb 2003 11:38 Operator: DPEI
Sample : SB-W13-19/19-19.5,01235-006,M,0.037g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:11 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.23	168	695141	50.00 UG	0.00
31) 1,4-Difluorobenzene	10.32	114	746714	50.00 UG	0.00
50) Chlorobenzene-d5	14.63	117	644393	50.00 UG	0.00

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.68	65	197724	36.96 UG	0.00
Spiked Amount 50.000	Range 36 - 115		Recovery = 73.92%		
41) Toluene-d8	12.50	98	554817	43.31 UG	0.00
Spiked Amount 50.000	Range 35 - 117		Recovery = 86.62%		
59) Bromofluorobenzene	16.41	95	328963	32.80 UG	0.00
Spiked Amount 50.000	Range 47 - 115		Recovery = 65.60%		

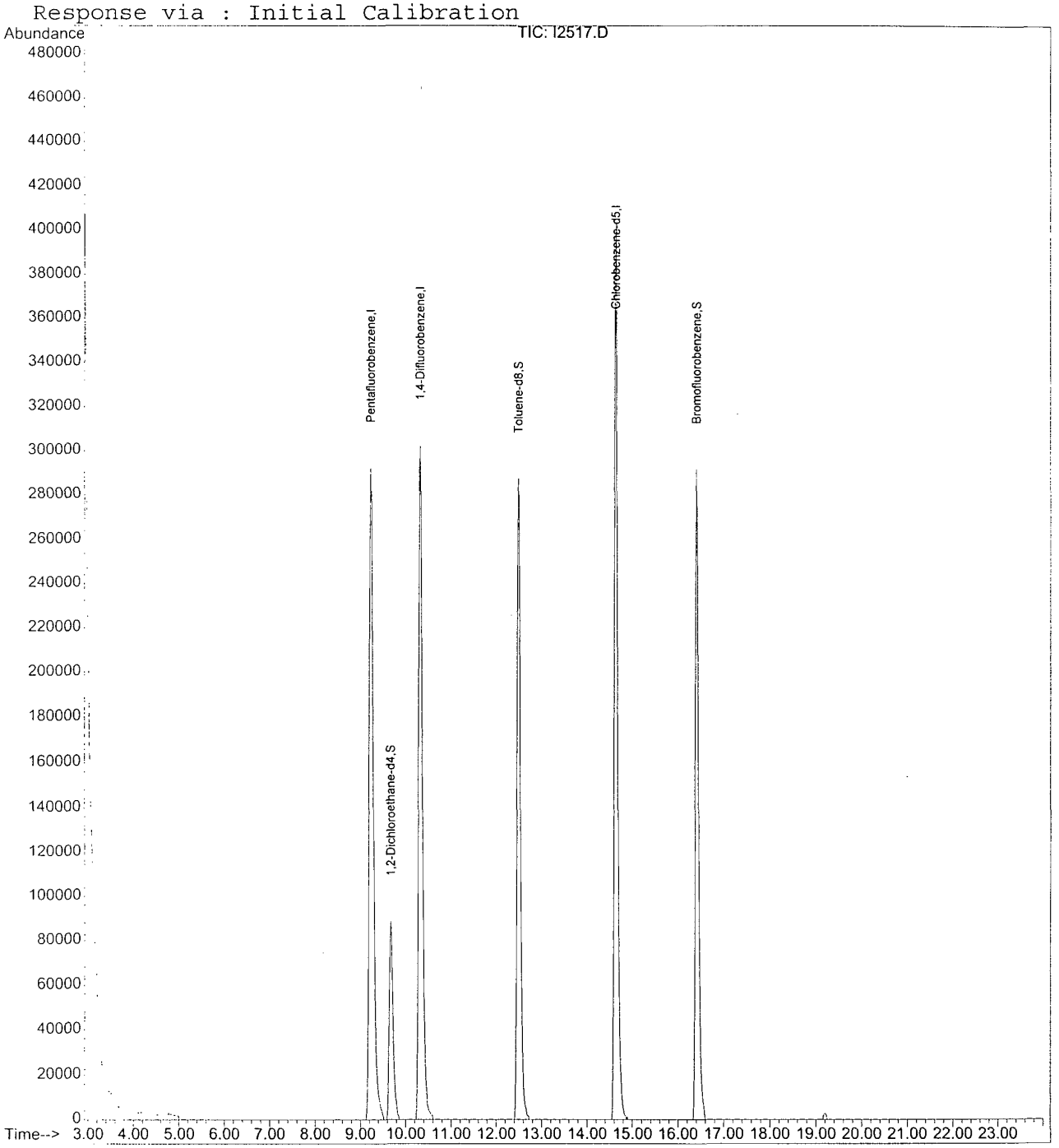
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2517.D Vial: 48
Acq On : 19 Feb 2003 11:38 Operator: DPEI
Sample : SB-W13-19/19-19.5,01235-006,M,0.037g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:11 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



0164

301422

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2517.D Vial: 48
Acq On : 19 Feb 2003 11:38 Operator: DPEI
Sample : SB-W13-19/19-19.5,01235-006,M,0.037g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

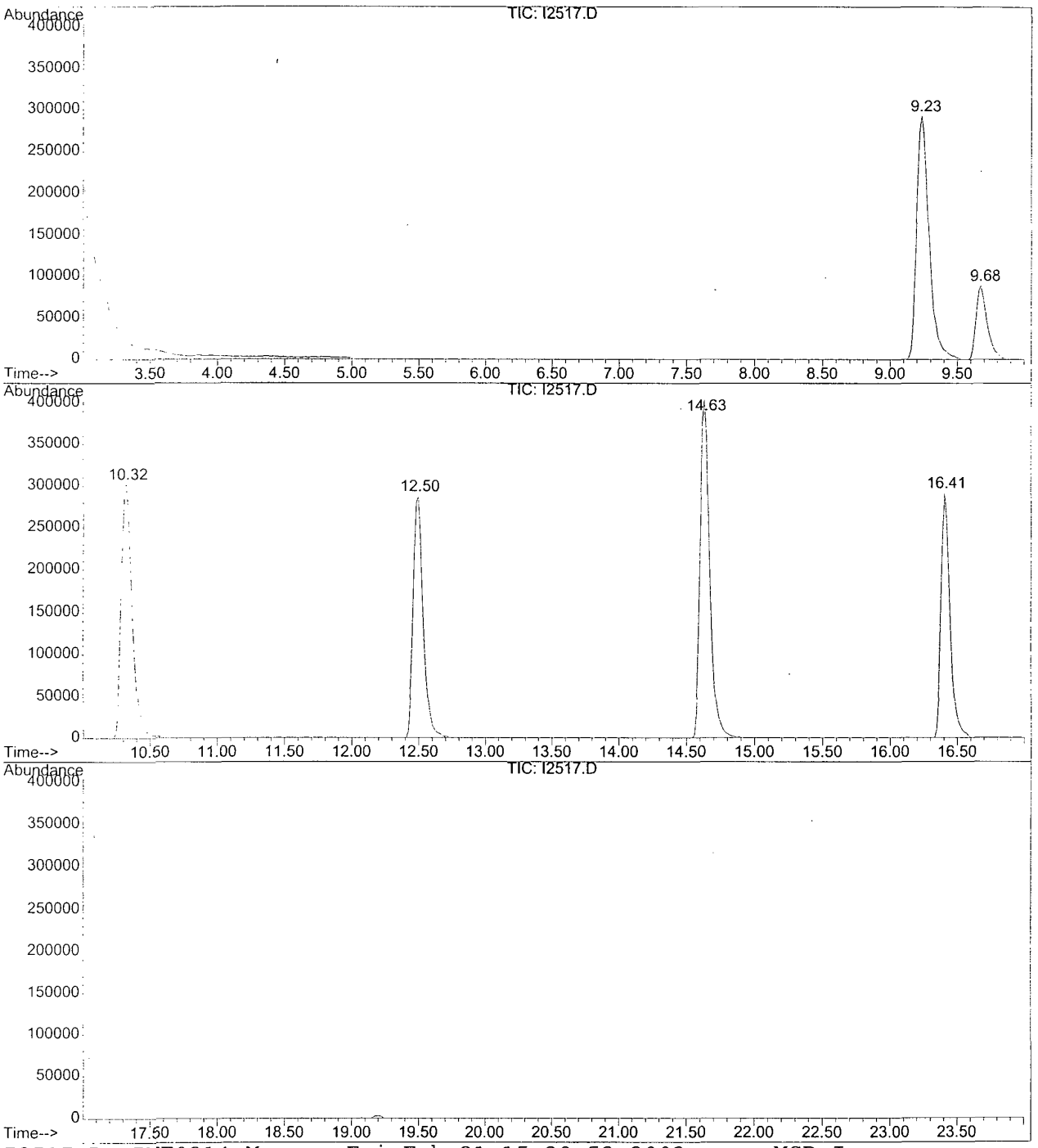
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.232	405	412	431	rBB	292546	1893712	95.02%	21.023%
2	9.676	435	441	453	rBB	88806	515803	25.88%	5.726%
3	10.323	477	483	499	rBV	302461	1723479	86.47%	19.133%
4	12.497	622	628	641	rBV	287693	1517928	76.16%	16.851%
5	14.632	765	771	787	rBB	404382	1993043	100.00%	22.126%
6	16.406	885	890	903	rBB	292035	1363731	68.42%	15.140%

Sum of corrected areas: 9007696

I2517.D IME0214.M Fri Feb 21 15:29:52 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2517.D
Operator : DPEI
Acquired : 19 Feb 2003 11:38 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-W13-19/19-19.5,01235-006,M,0.037g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 48
Quant File :IME0214.RES (RTE Integrator)



I2517.D IME0214.M Fri Feb 21 15:29:52 2003 MSD_I

0166

301424

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2518.D Vial: 49
Acq On : 19 Feb 2003 12:09 Operator: DPEI
Sample : SB-W15-0/0-0.5,01235-007,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:32 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.22	168	721433	50.00 UG	0.00
31) 1,4-Difluorobenzene	10.31	114	771359	50.00 UG	0.00
50) Chlorobenzene-d5	14.63	117	654307	50.00 UG	0.00

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.67	65	204931	36.91 UG	0.00
Spiked Amount 50.000	Range 36 - 115		Recovery = 73.82%		
41) Toluene-d8	12.49	98	523960	39.59 UG	0.00
Spiked Amount 50.000	Range 35 - 117		Recovery = 79.18%		
59) Bromofluorobenzene	16.40	95	331574	32.56 UG	0.00
Spiked Amount 50.000	Range 47 - 115		Recovery = 65.12%		

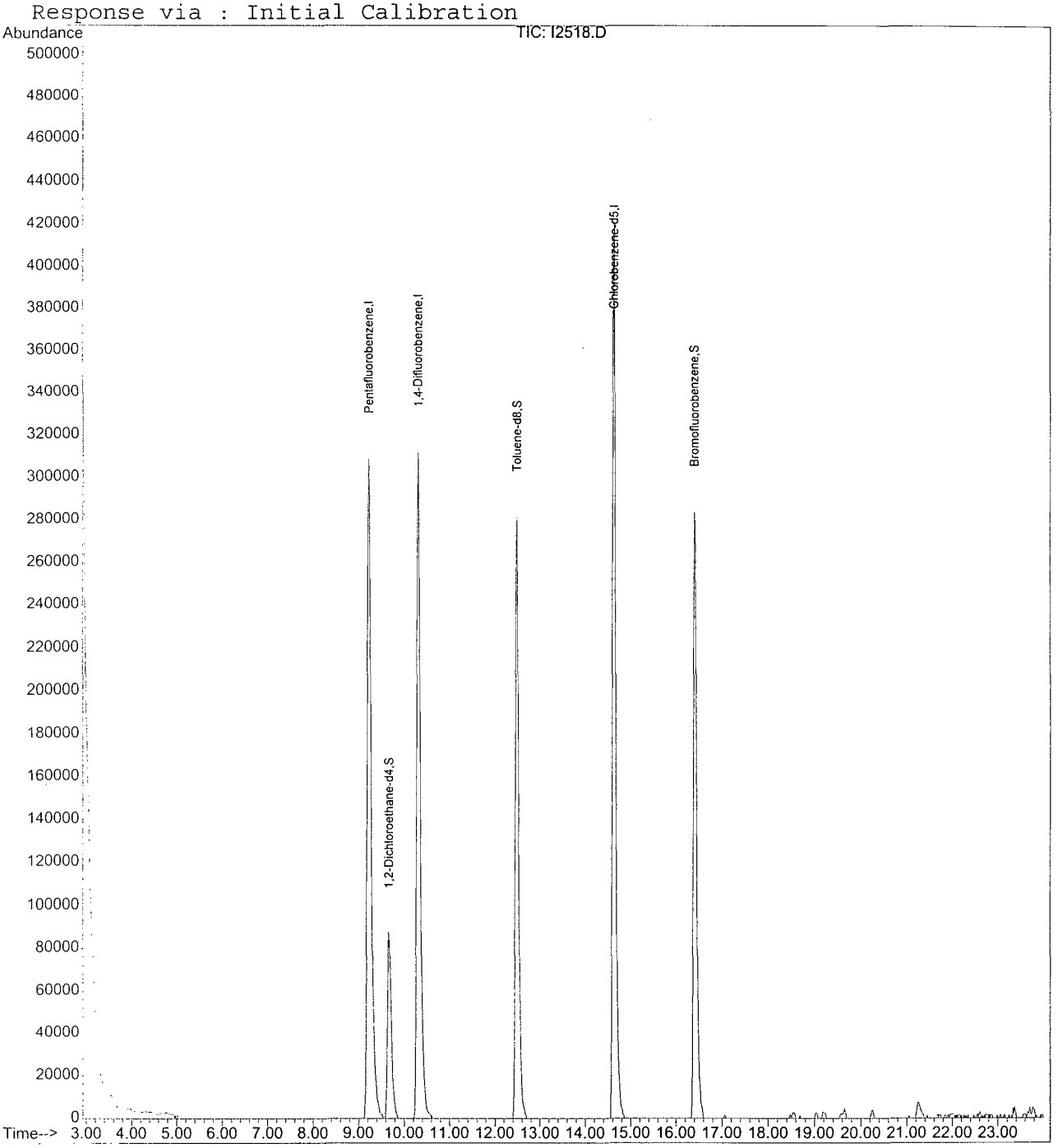
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2518.D Vial: 49
Acq On : 19 Feb 2003 12:09 Operator: DPEI
Sample : SB-W15-0/0-0.5,01235-007,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:32 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2518.D Vial: 49
Acq On : 19 Feb 2003 12:09 Operator: DPEI
Sample : SB-W15-0/0-0.5,01235-007,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

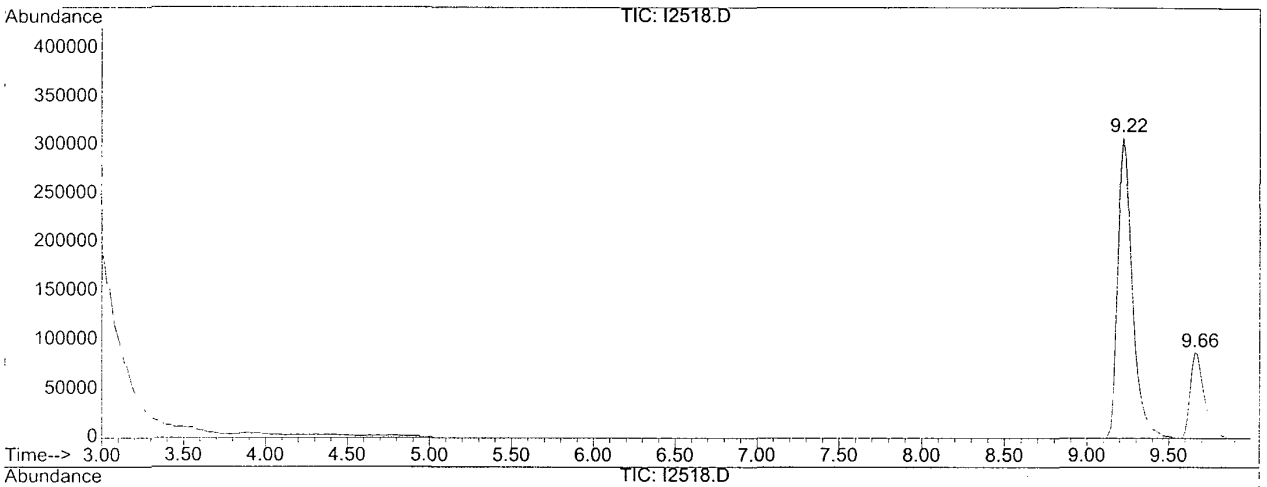
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.221	413	420	441	rBB	308872	1948844	96.01%	21.318%
2	9.657	444	449	462	rBB	88126	528854	26.05%	5.785%
3	10.309	486	492	511	rBB	311947	1790988	88.23%	19.591%
4	12.490	631	637	651	rBB	281495	1435012	70.70%	15.697%
5	14.629	771	776	791	rBB	421925	2029832	100.00%	22.204%
6	16.402	886	891	904	rBB	283845	1364631	67.23%	14.927%
7	21.248	1201	1205	1213	rBB	7591	43615	2.15%	0.477%

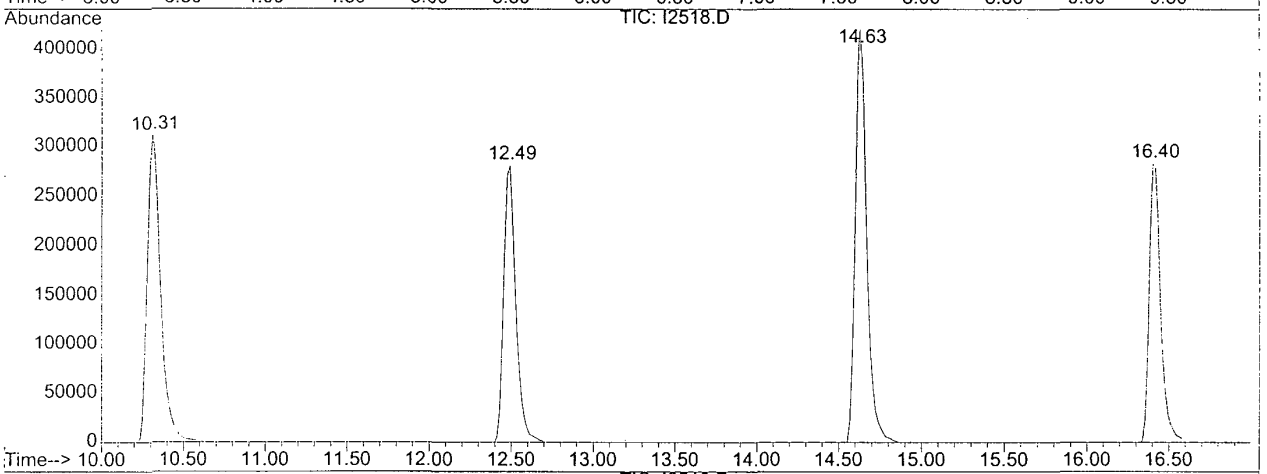
Sum of corrected areas: 9141776

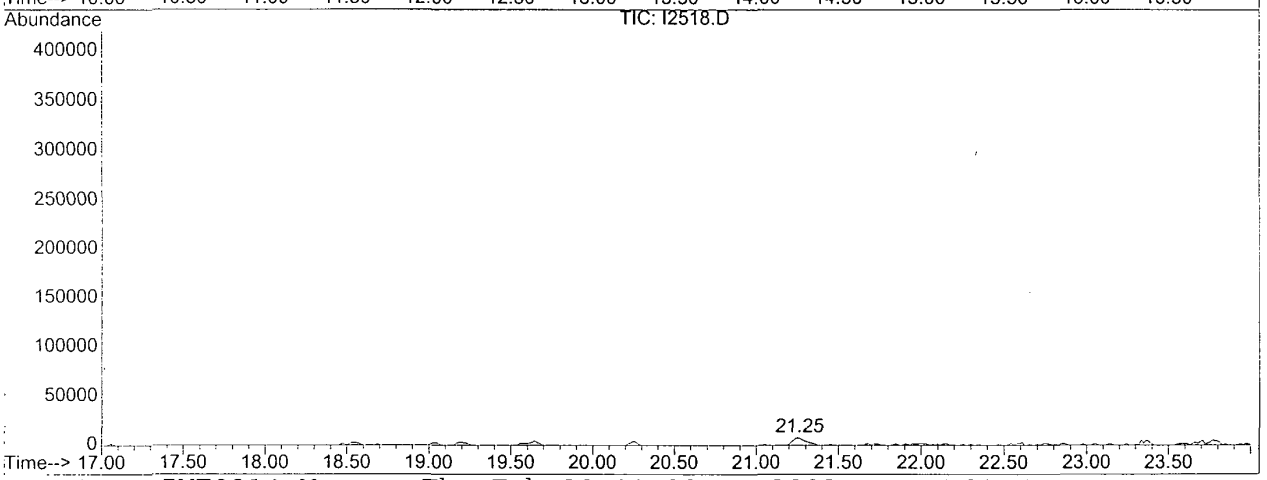
I2518.D IME0214.M Thu Feb 20 11:22:15 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2518.D
Operator : DPEI
Acquired : 19 Feb 2003 12:09 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-W15-0/0-0.5,01235-007,M,0.045g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 49
Quant File :IME0214.RES (RTE Integrator)







I2518.D IME0214.M Thu Feb 20 11:22:15 2003 MSD_I

0170

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2513.D Vial: 44
Acq On : 19 Feb 2003 9:38 Operator: DPEI
Sample : SB-W15-11.5/11.5-12,01235-008,M,0.04g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:12 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.28	168	726314	50.00	UG	0.05
31) 1,4-Difluorobenzene	10.36	114	739707	50.00	UG	0.04
50) Chlorobenzene-d5	14.67	117	641720	50.00	UG	0.05

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.72	65	190786	34.14	UG	0.04
Spiked Amount 50.000	Range 36 - 115		Recovery = 68.28%			
41) Toluene-d8	12.53	98	548670	43.23	UG	0.04
Spiked Amount 50.000	Range 35 - 117		Recovery = 86.46%			
59) Bromofluorobenzene	16.45	95	318856	31.93	UG	0.06
Spiked Amount 50.000	Range 47 - 115		Recovery = 63.86%			

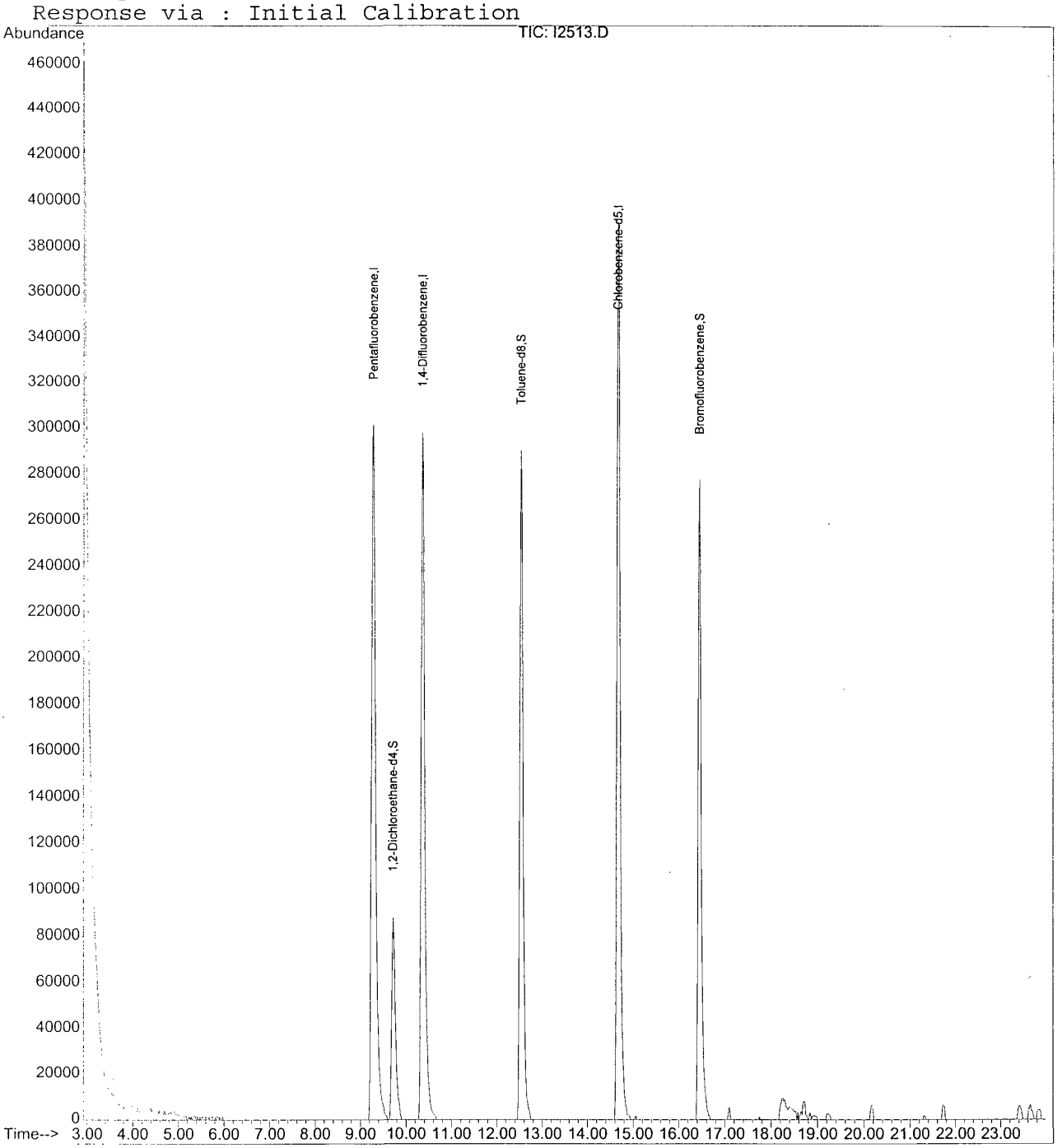
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2513.D Vial: 44
Acq On : 19 Feb 2003 9:38 Operator: DPEI
Sample : SB-W15-11.5/11.5-12,01235-008,M,0.04g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:12 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



0172

301430

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2513.D Vial: 44
Acq On : 19 Feb 2003 9:38 Operator: DPEI
Sample : SB-W15-11.5/11.5-12,01235-008,M,0.04g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

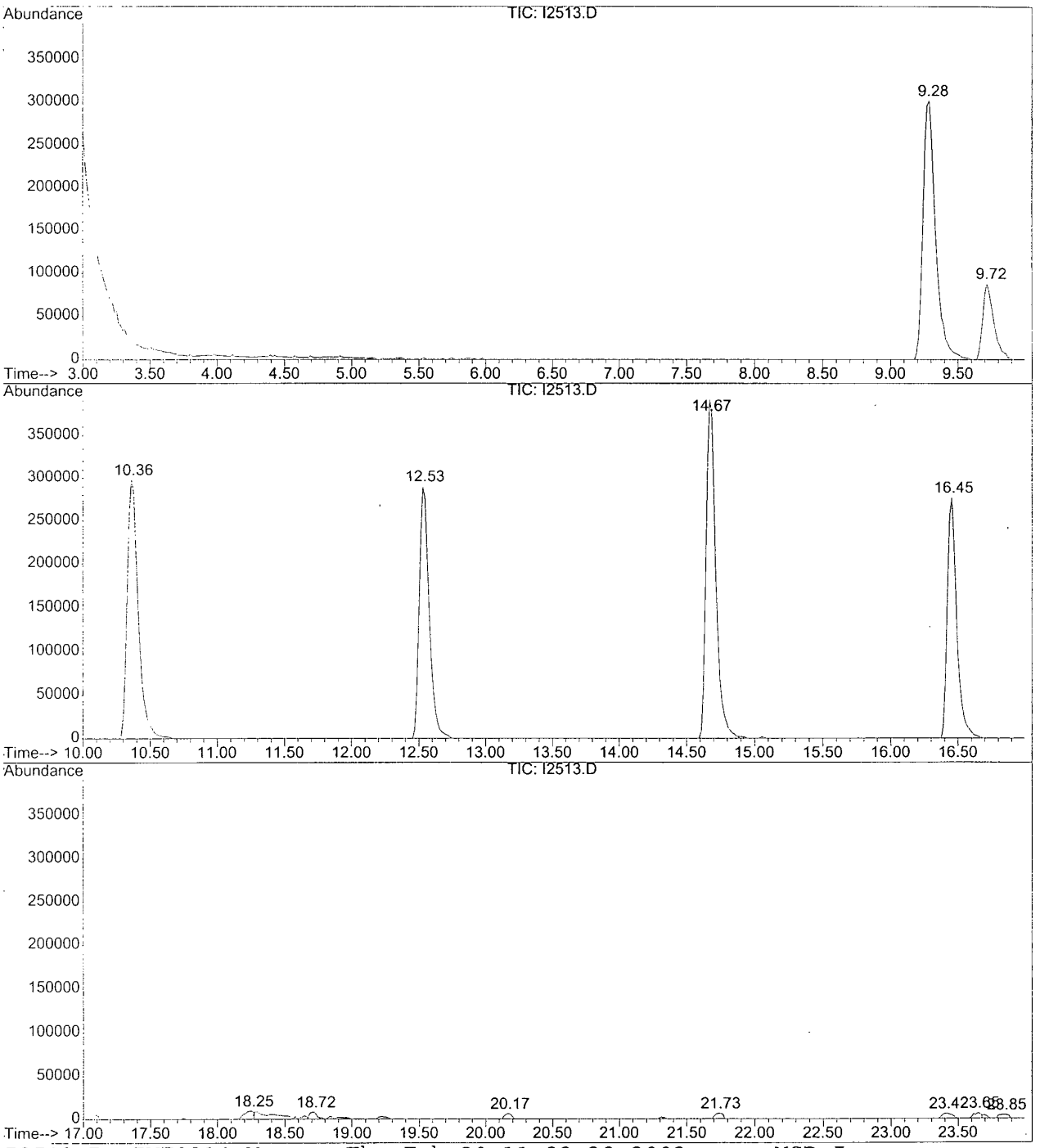
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.285	419	426	446	rBB	301913	1950105	100.00%	21.381%
2	9.717	449	454	466	rBB	87897	502521	25.77%	5.510%
3	10.362	490	496	516	rBB	298293	1697575	87.05%	18.613%
4	12.531	632	637	651	rBB	290614	1483043	76.05%	16.260%
5	14.670	771	776	790	rBV	391473	1934402	99.19%	21.209%
6	16.453	887	892	907	rBB	277821	1351894	69.32%	14.823%
7	18.253	1003	1009	1010	rBV2	9469	47381	2.43%	0.519%
8	18.717	1036	1039	1042	rVV2	8158	30496	1.56%	0.334%
9	20.166	1130	1133	1136	rBB	6230	21805	1.12%	0.239%
10	21.734	1232	1235	1238	rBB2	6330	24484	1.26%	0.268%
11	23.416	1340	1344	1349	rBB	6018	30654	1.57%	0.336%
12	23.646	1355	1359	1361	rBV	6368	25118	1.29%	0.275%
13	23.847	1368	1372	1375	rBB2	4205	21066	1.08%	0.231%

Sum of corrected areas: 9120544

I2513.D IME0214.M Thu Feb 20 11:22:39 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2513.D
Operator : DPEI
Acquired : 19 Feb 2003 9:38 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-W15-11.5/11.5-12,01235-008,M,0.04g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 44
Quant File :IME0214.RES (RTE Integrator)



I2513.D IME0214.M Thu Feb 20 11:22:39 2003 MSD_I

0174

301432

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2514.D Vial: 45
Acq On : 19 Feb 2003 10:08 Operator: DPEI
Sample : SB-W15-16.5/16.5-17.0,01235-009,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:13 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.26	168	718329	50.00 UG	0.03
31) 1,4-Difluorobenzene	10.34	114	763839	50.00 UG	0.03
50) Chlorobenzene-d5	14.66	117	655442	50.00 UG	0.03

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.70	65	197174	35.67 UG	0.02
Spiked Amount 50.000	Range 36 - 115		Recovery = 71.34%		
41) Toluene-d8	12.52	98	571840	43.64 UG	0.03
Spiked Amount 50.000	Range 35 - 117		Recovery = 87.28%		
59) Bromofluorobenzene	16.43	95	341112	33.44 UG	0.03
Spiked Amount 50.000	Range 47 - 115		Recovery = 66.88%		

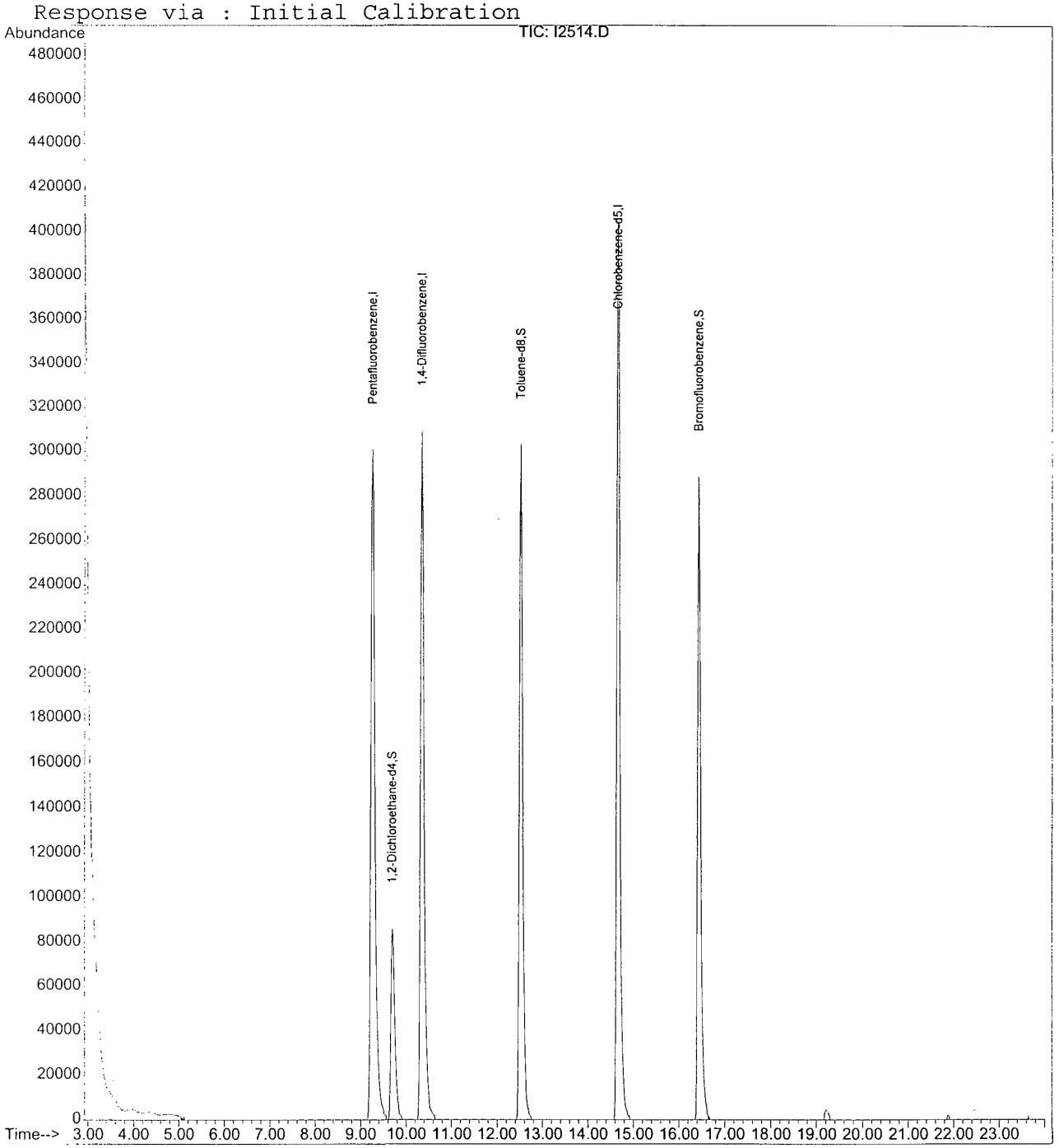
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2514.D Vial: 45
Acq On : 19 Feb 2003 10:08 Operator: DPEI
Sample : SB-W15-16.5/16.5-17.0,01235-009,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 12:13 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2514.D Vial: 45
Acq On : 19 Feb 2003 10:08 Operator: DPEI
Sample : SB-W15-16.5/16.5-17.0,01235-009,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

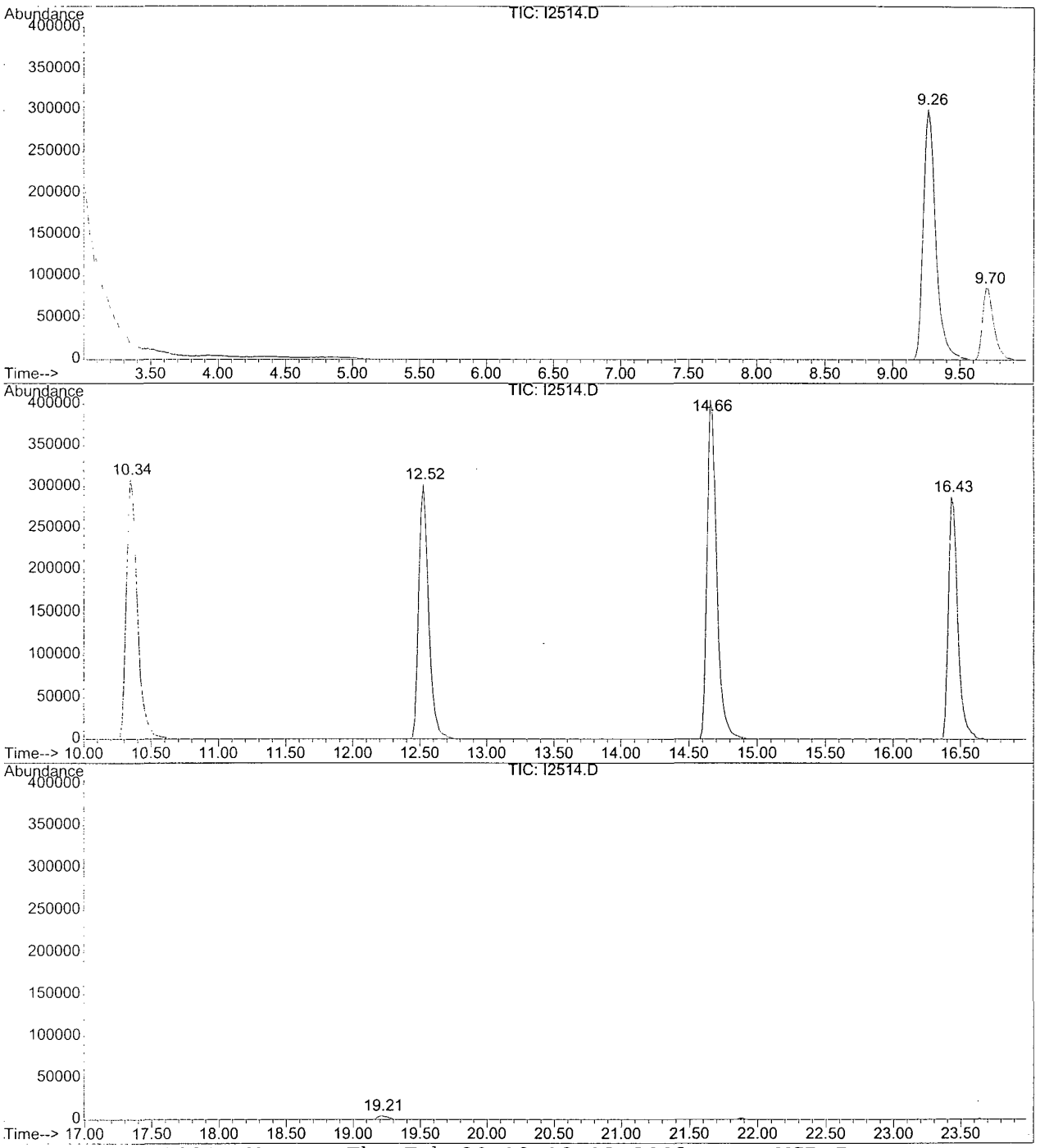
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.262	405	412	432	rBB	301165	1935358	97.57%	21.140%
2	9.695	435	440	454	rBB2	85957	508436	25.63%	5.554%
3	10.344	476	482	499	rBV	309211	1753913	88.43%	19.158%
4	12.521	617	623	638	rBB	303409	1546290	77.96%	16.890%
5	14.657	757	762	777	rBV	405233	1983496	100.00%	21.666%
6	16.432	872	877	891	rBB	288829	1404390	70.80%	15.340%
7	19.209	1055	1058	1064	rBB	4559	22937	1.16%	0.251%

Sum of corrected areas: 9154820

I2514.D IME0214.M Thu Feb 20 12:12:12 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2514.D
Operator : DPEI
Acquired : 19 Feb 2003 10:08 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-W15-16.5/16.5-17.0,01235-009,M,0.045g
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 45
Quant File :IME0214.RES (RTE Integrator)



I2514.D IME0214.M Thu Feb 20 12:12:12 2003 MSD_I

0178

301436

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2504.D Vial: 35
Acq On : 19 Feb 2003 5:12 Operator: DPEI
Sample : FIELD_BLANK,01235-010,W,5mL,100 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:54 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.32	168	663155	50.00	UG	0.09
31) 1,4-Difluorobenzene	10.40	114	712396	50.00	UG	0.08
50) Chlorobenzene-d5	14.72	117	608390	50.00	UG	0.10

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.76	65	187809	36.80	UG	0.09
Spiked Amount 50.000	Range 36 - 115		Recovery = 73.60%			
41) Toluene-d8	12.58	98	629882	51.54	UG	0.09
Spiked Amount 50.000	Range 35 - 117		Recovery = 103.08%			
59) Bromofluorobenzene	16.49	95	398246	42.06	UG	0.09
Spiked Amount 50.000	Range 47 - 115		Recovery = 84.12%			

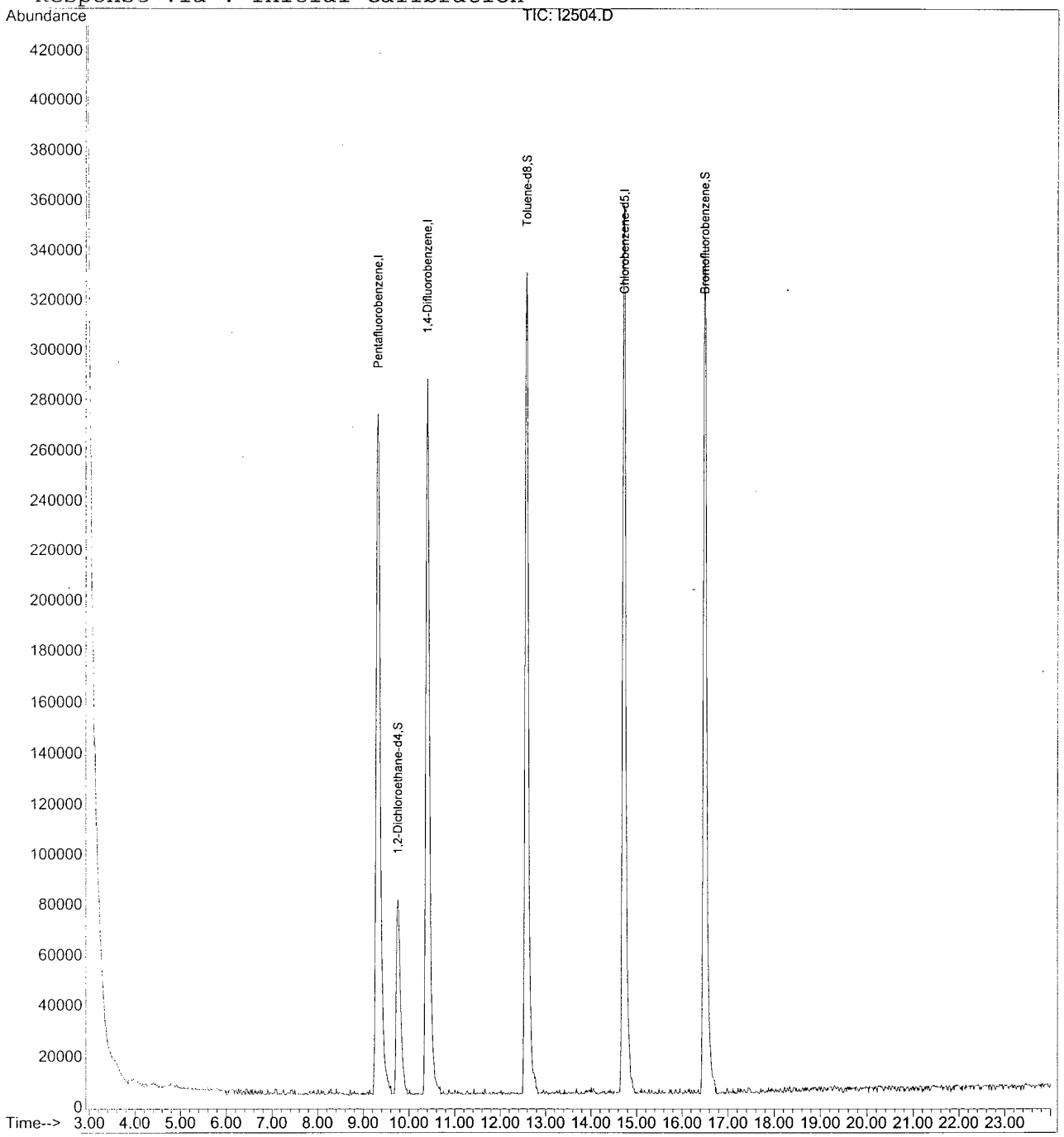
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2504.D Vial: 35
Acq On : 19 Feb 2003 5:12 Operator: DPEI
Sample : FIELD_BLANK,01235-010,W,5mL,100 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:54 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2504.D Vial: 35
Acq On : 19 Feb 2003 5:12 Operator: DPEI
Sample : FIELD_BLANK,01235-010,W,5mL,100 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

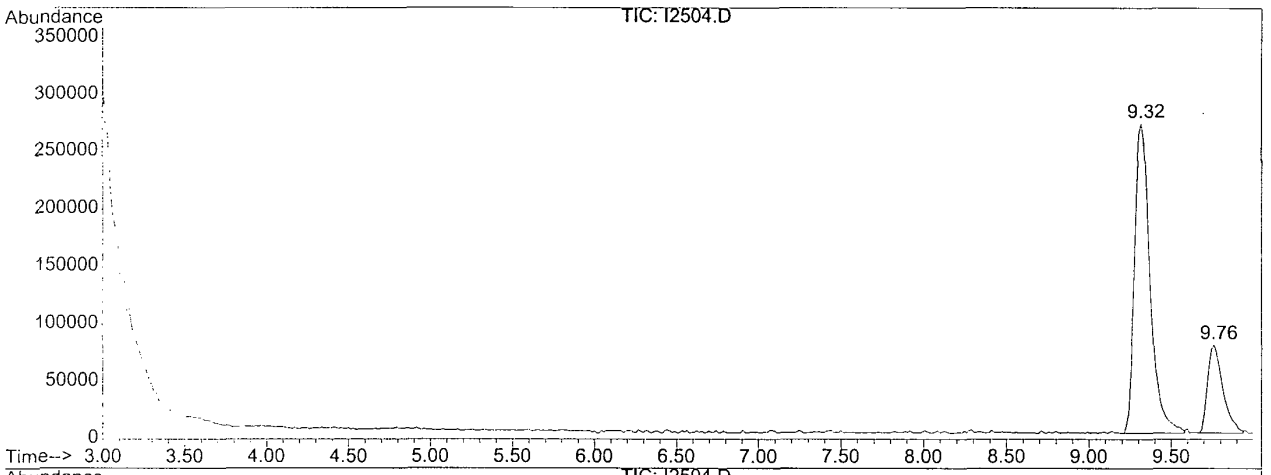
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.316	424	431	449	rBV	269928	1775567	98.93%	19.351%
2	9.761	455	461	473	rBV	76961	500320	27.88%	5.453%
3	10.400	498	504	522	rBV	283322	1623469	90.45%	17.693%
4	12.582	644	651	661	rBV	326474	1735984	96.72%	18.919%
5	14.725	788	795	806	rBV	352417	1794818	100.00%	19.560%
6	16.490	908	914	930	rBV	339883	1745656	97.26%	19.025%

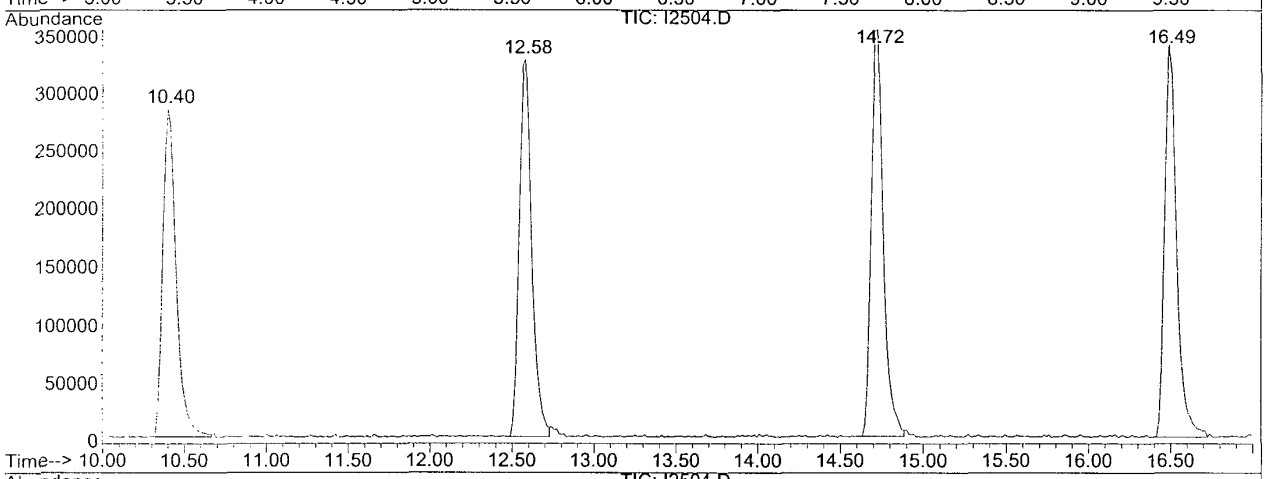
Sum of corrected areas: 9175814

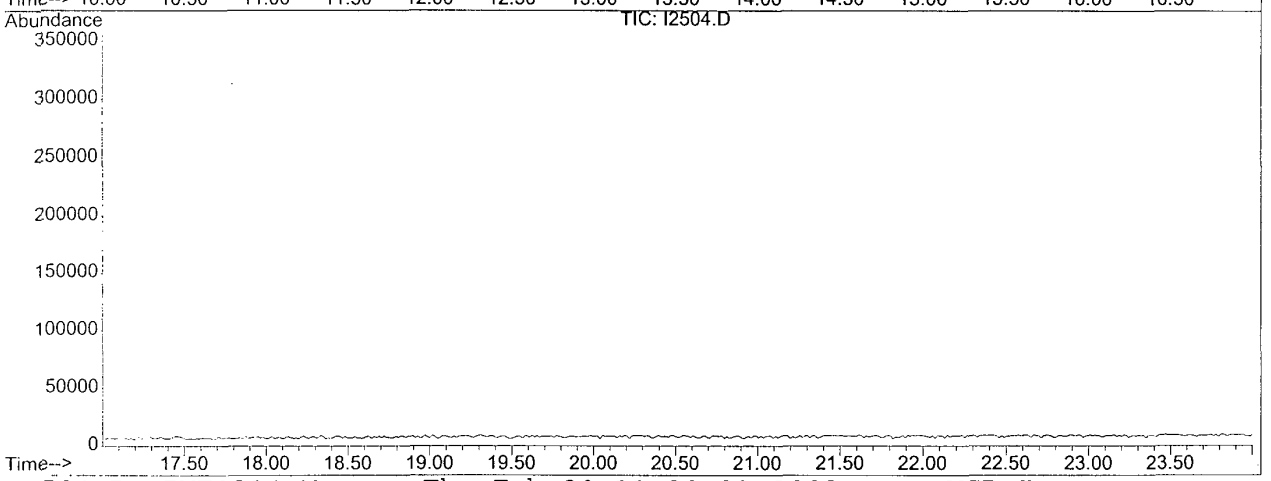
I2504.D IME0214.M Thu Feb 20 11:20:23 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2504.D
Operator : DPEI
Acquired : 19 Feb 2003 5:12 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: FIELD_BLANK,01235-010,W,5mL,100
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 35
Quant File :IME0214.RES (RTE Integrator)







I2504.D IME0214.M Thu Feb 20 11:20:23 2003 MSD_I

0182

301440

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2505.D Vial: 36
Acq On : 19 Feb 2003 5:41 Operator: DPEI
Sample : TRIP_BLANK,01235-011,M,0.04g,0 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:54 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.32	168	716860	50.00 UG	0.09
31) 1,4-Difluorobenzene	10.40	114	753295	50.00 UG	0.09
50) Chlorobenzene-d5	14.71	117	656811	50.00 UG	0.09

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.75	65	196468	35.62 UG	0.08
Spiked Amount 50.000	Range 36 - 115		Recovery = 71.24%		
41) Toluene-d8	12.58	98	589708	45.63 UG	0.09
Spiked Amount 50.000	Range 35 - 117		Recovery = 91.26%		
59) Bromofluorobenzene	16.49	95	320256	31.33 UG	0.09
Spiked Amount 50.000	Range 47 - 115		Recovery = 62.66%		

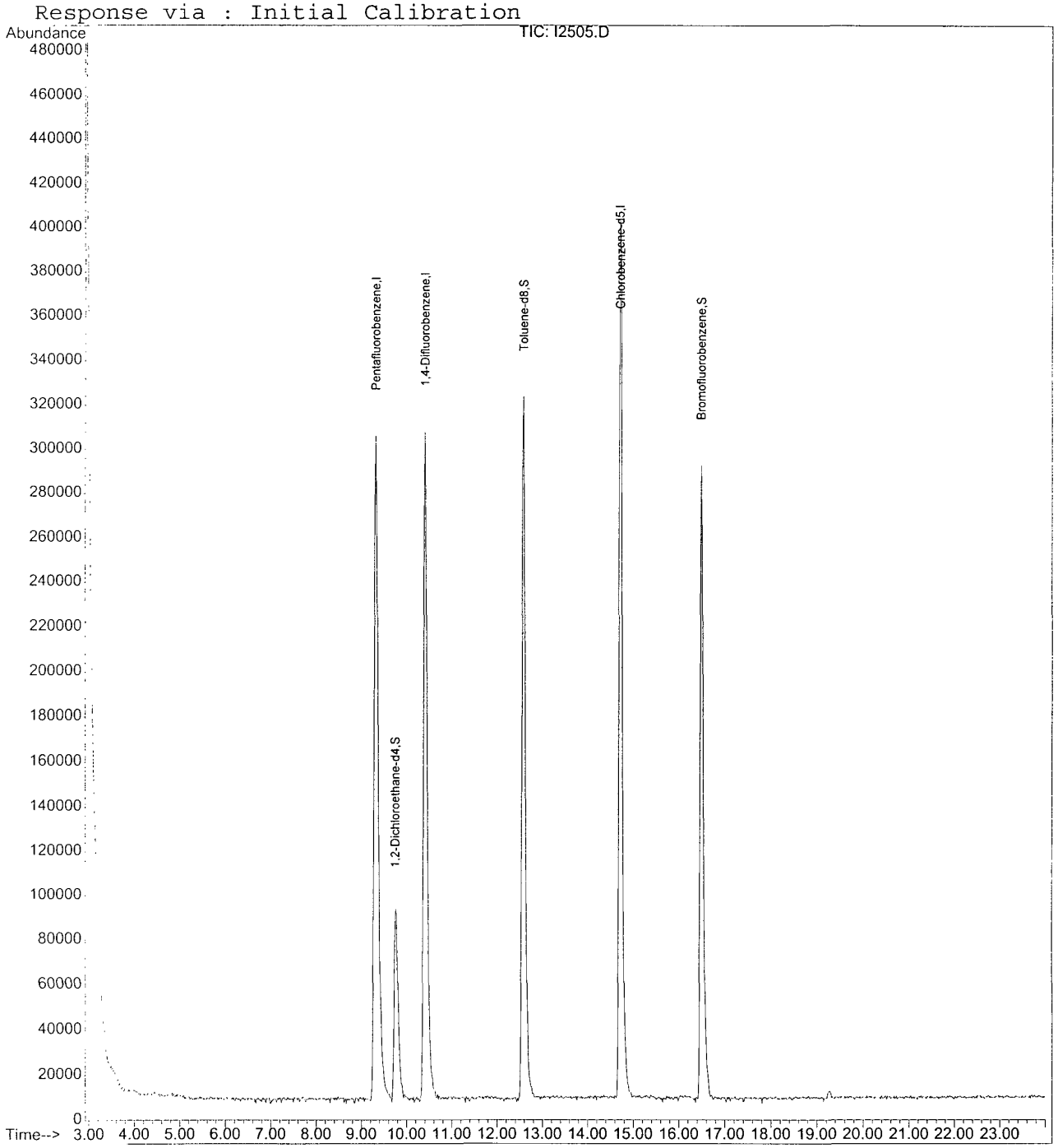
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2505.D Vial: 36
Acq On : 19 Feb 2003 5:41 Operator: DPEI
Sample : TRIP_BLANK,01235-011,M,0.04g,0 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:54 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2505.D Vial: 36
Acq On : 19 Feb 2003 5:41 Operator: DPEI
Sample : TRIP_BLANK,01235-011,M,0.04g,0 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 9
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 50 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

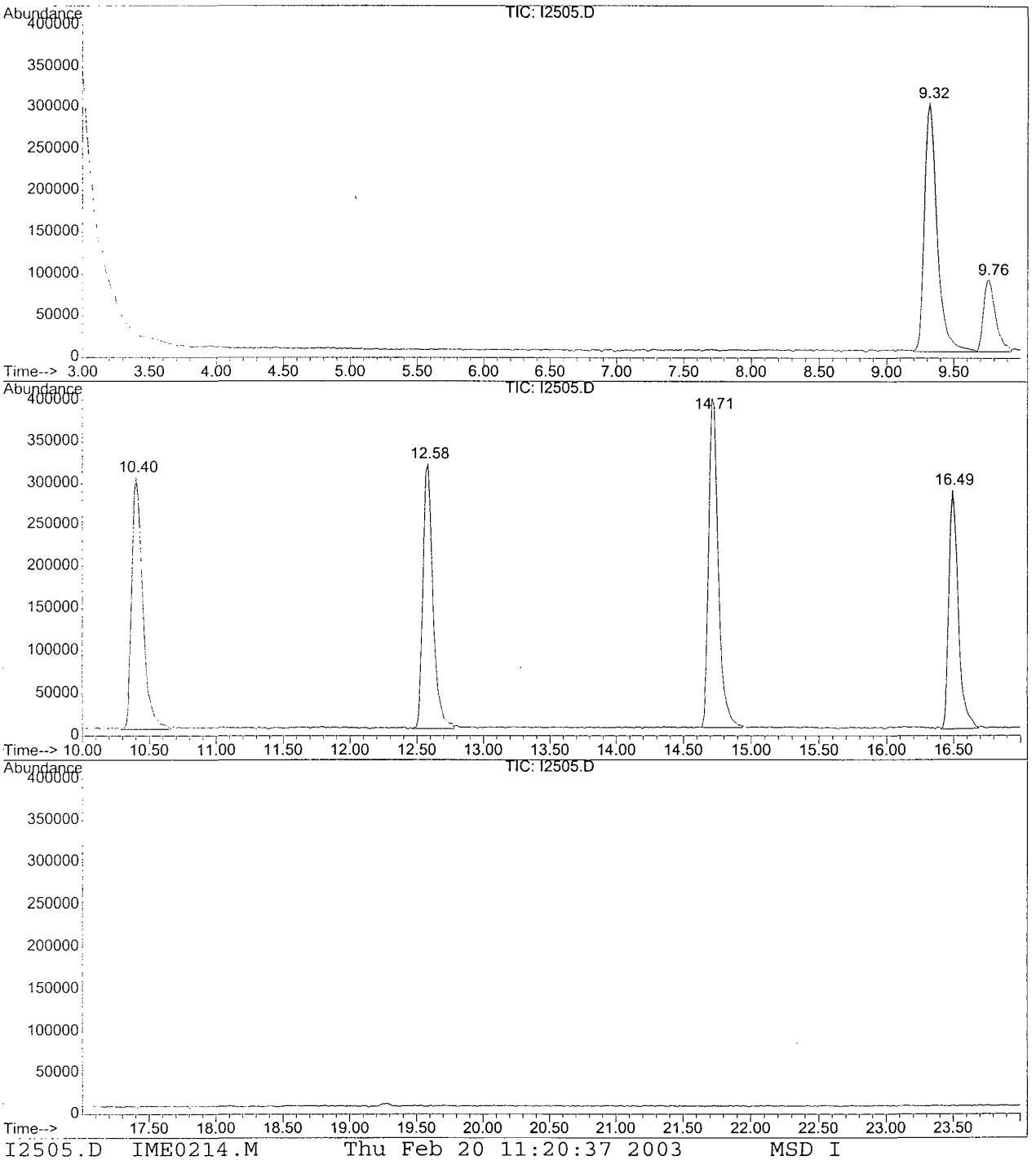
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.317	421	429	453	rVB	298493	1973765	100.00%	21.339%
2	9.764	453	459	470	rBV	86163	538756	27.30%	5.825%
3	10.404	494	502	519	rBV	300345	1724385	87.37%	18.643%
4	12.582	640	648	661	rBV	315665	1646366	83.41%	17.799%
5	14.713	785	791	806	rBV	393672	1963547	99.48%	21.228%
6	16.492	904	910	923	rVV	285033	1402791	71.07%	15.166%

Sum of corrected areas: 9249610

I2505.D IME0214.M Thu Feb 20 11:20:37 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2505.D
Operator : DPEI
Acquired : 19 Feb 2003 5:41 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: TRIP_BLANK,01235-011,M,0.04g,0
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03
Vial Number: 36
Quant File :IME0214.RES (RTE Integrator)



I2505.D IME0214.M Thu Feb 20 11:20:37 2003 MSD_I

0186

301444

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2499.D Vial: 30
Acq On : 19 Feb 2003 2:44 Operator: DPEI
Sample : N/A,METHOD_BLK,S,0.1g,0 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 10:48 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.30	168	686274	50.00 UG	0.07
31) 1,4-Difluorobenzene	10.37	114	733823	50.00 UG	0.05
50) Chlorobenzene-d5	14.69	117	633890	50.00 UG	0.06

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.75	65	206320	39.07 UG	0.08
Spiked Amount 50.000	Range 36 - 115		Recovery = 78.14%		
41) Toluene-d8	12.55	98	648109	51.48 UG	0.06
Spiked Amount 50.000	Range 35 - 117		Recovery = 102.96%		
59) Bromofluorobenzene	16.47	95	441563	44.76 UG	0.07
Spiked Amount 50.000	Range 47 - 115		Recovery = 89.52%		

Target Compounds Qvalue

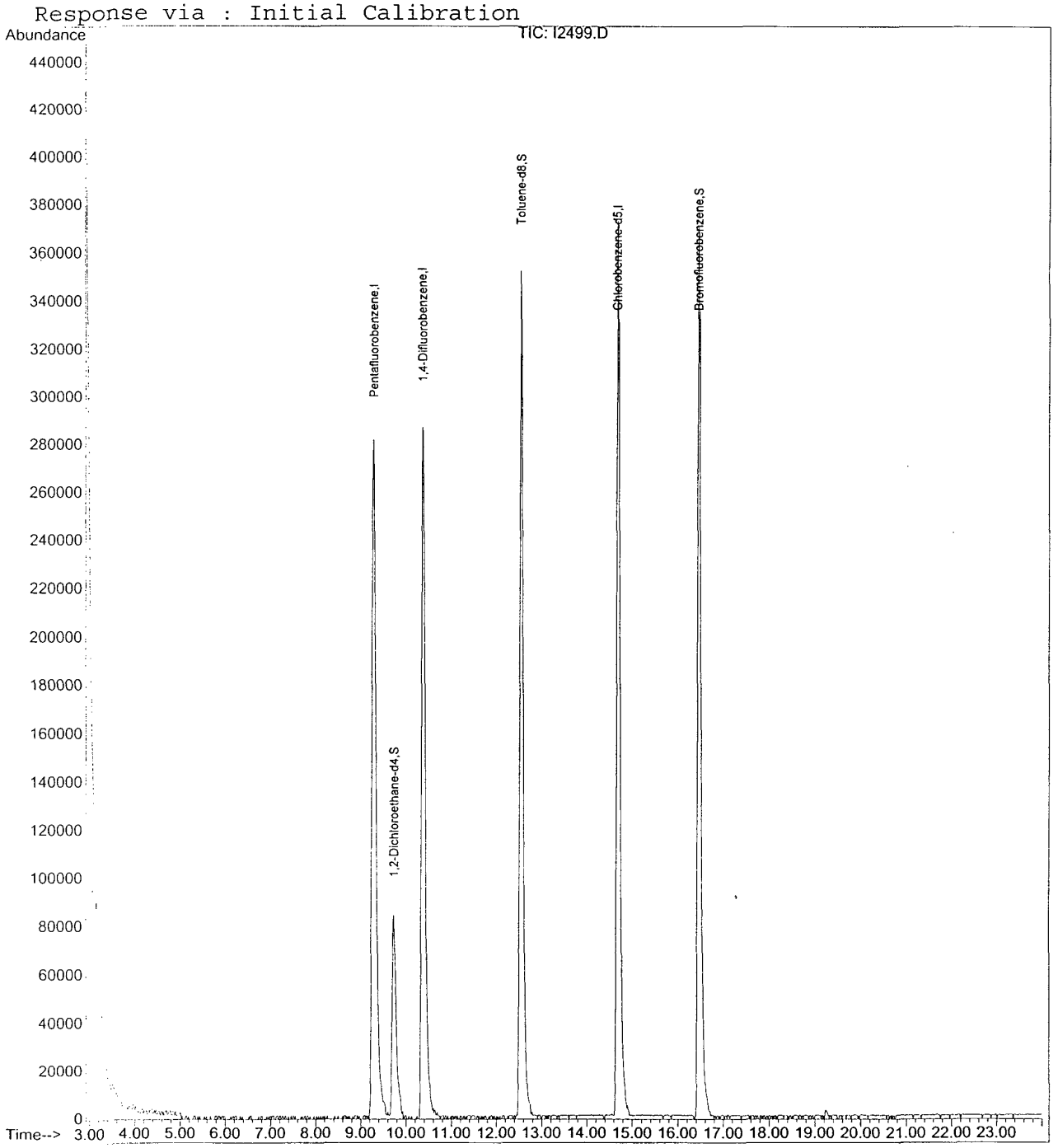
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2499.D
Acq On : 19 Feb 2003 2:44
Sample : N/A,METHOD_BLK,S,0.1g,0
Misc : NA,NA,NA
MS Integration Params: rteint.p
Quant Time: Feb 19 10:48 2003

Vial: 30
Operator: DPEI
Inst : 5970 - In
Multiplr: 1.00
Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2499.D Vial: 30
Acq On : 19 Feb 2003 2:44 Operator: DPEI
Sample : N/A,METHOD_BLK,S,0.1g,0 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

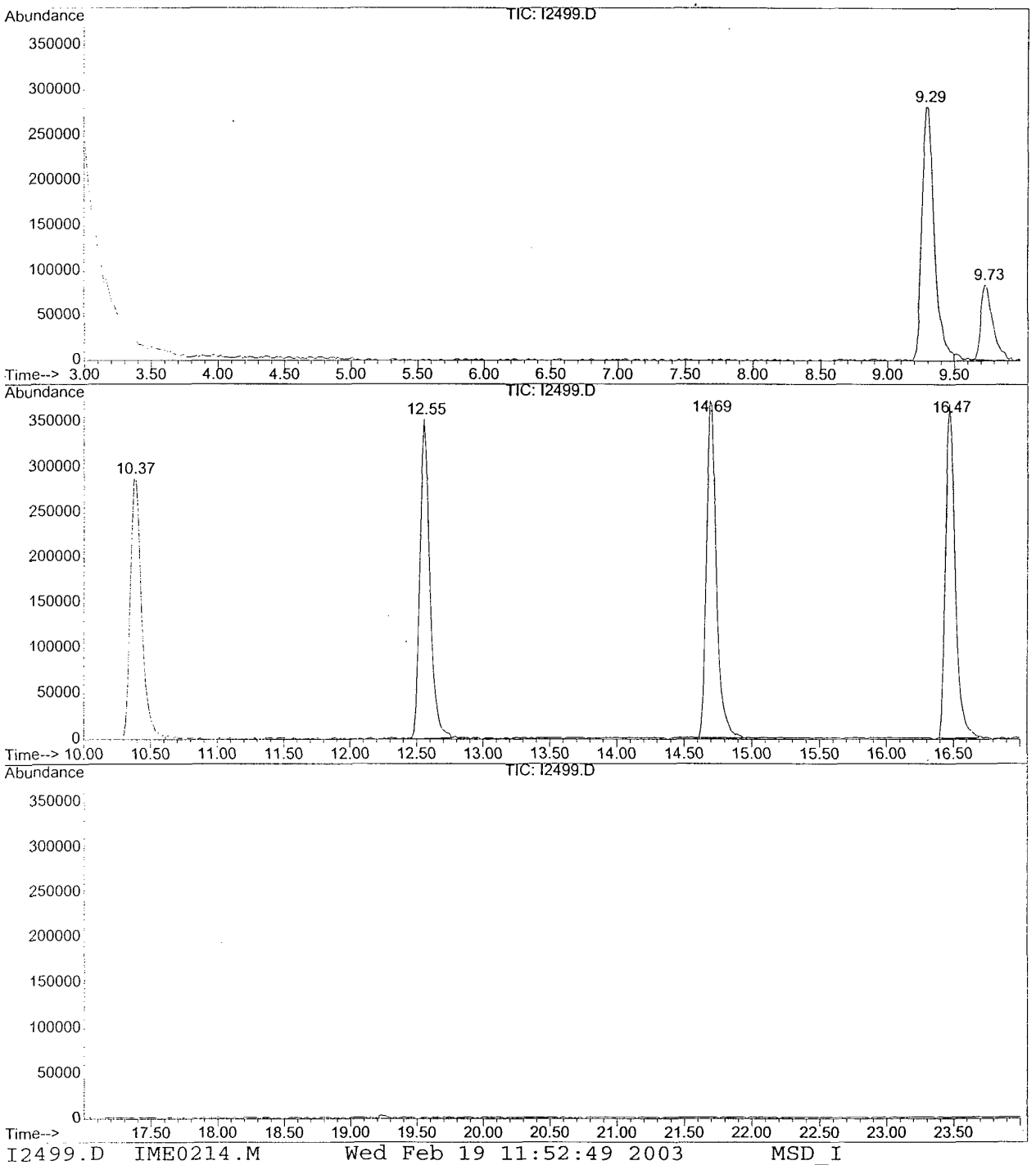
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.287	420	427	441	rBV	282700	1837342	96.73%	19.072%
2	9.733	450	457	469	rBV	84162	522552	27.51%	5.424%
3	10.373	494	500	516	rBV	287866	1699593	89.48%	17.642%
4	12.552	640	646	661	rVV	352325	1802349	94.89%	18.709%
5	14.685	783	789	806	rVB	372276	1899479	100.00%	19.717%
6	16.467	903	908	923	rBV	369624	1872461	98.58%	19.436%

Sum of corrected areas: 9633776

I2499.D IME0214.M Wed Feb 19 11:52:49 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2499.D
Operator : DPEI
Acquired : 19 Feb 2003 2:44 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: N/A,METHOD_BLK,S,0.1g,0
Misc Info : NA,NA,NA
Vial Number: 30
Quant File :IME0214.RES (RTE Integrator)



I2499.D IME0214.M Wed Feb 19 11:52:49 2003 MSD_I

0190

301448

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2500.D Vial: 31
Acq On : 19 Feb 2003 3:14 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:53 2003 Quant Results File: IME0214.RES

Quant Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.30	168	688680	50.00	UG	0.07
31) 1,4-Difluorobenzene	10.39	114	725452	50.00	UG	0.07
50) Chlorobenzene-d5	14.70	117	629418	50.00	UG	0.07

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.74	65	204303	38.55	UG	0.07
Spiked Amount 50.000	Range 36 - 115		Recovery = 77.10%			
41) Toluene-d8	12.56	98	652894	52.46	UG	0.07
Spiked Amount 50.000	Range 35 - 117		Recovery = 104.92%			
59) Bromofluorobenzene	16.47	95	429830	43.88	UG	0.07
Spiked Amount 50.000	Range 47 - 115		Recovery = 87.76%			

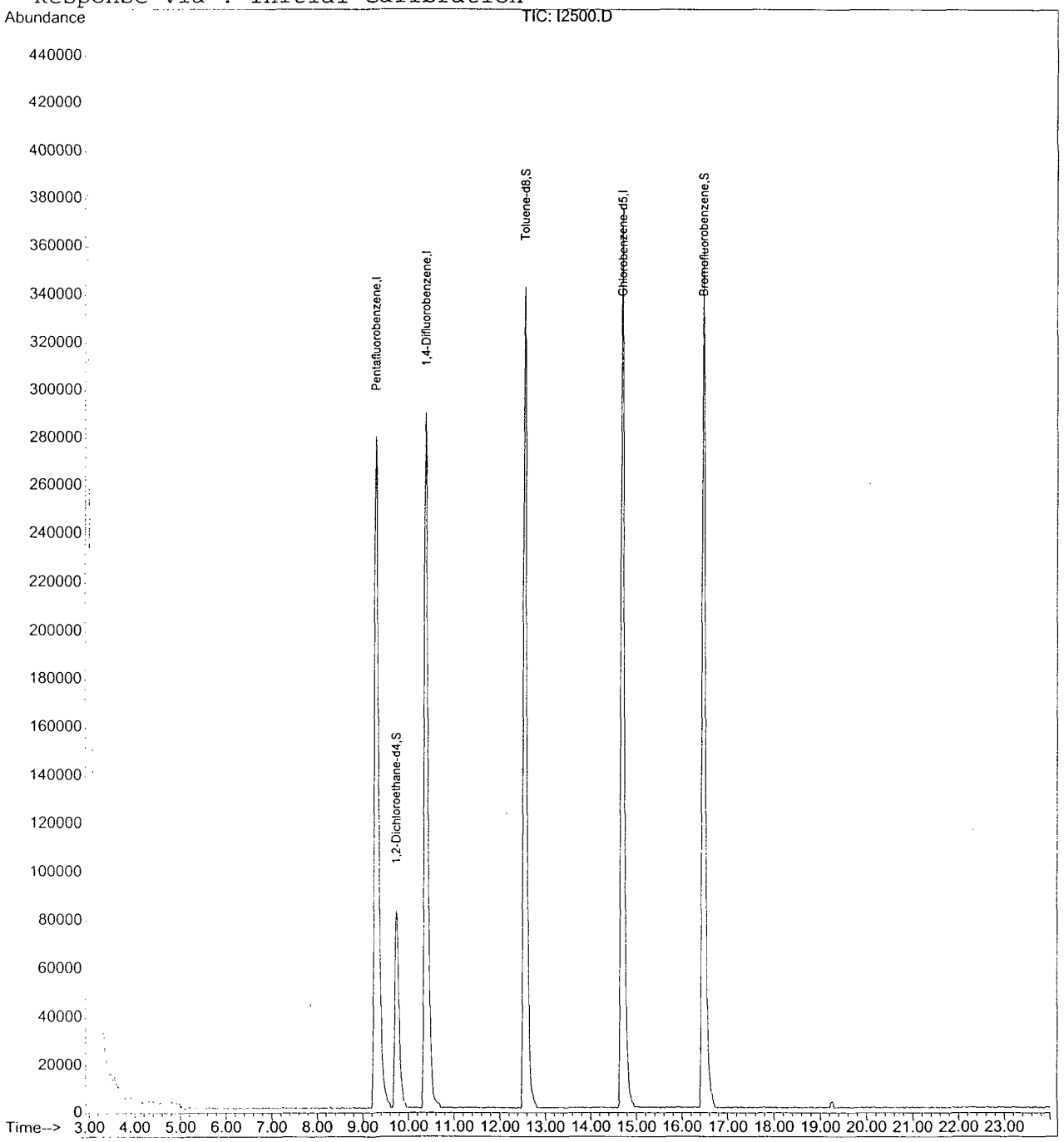
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2500.D Vial: 31
Acq On : 19 Feb 2003 3:14 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:53 2003 Quant Results File: IME0214.RES

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2500.D Vial: 31
Acq On : 19 Feb 2003 3:14 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

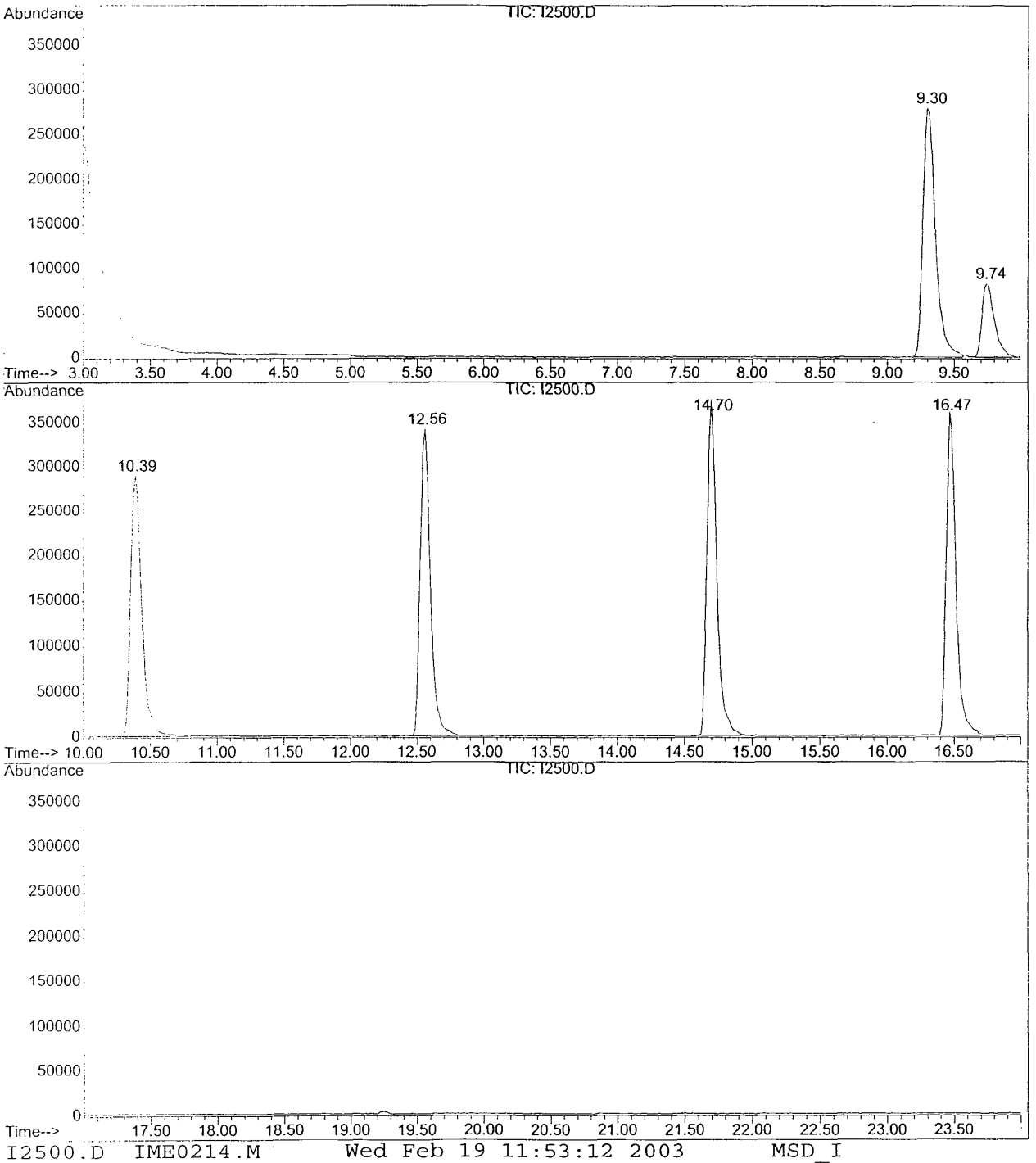
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.296	419	426	444	rBV	278865	1817448	96.45%	19.062%
2	9.742	450	456	471	rVB	82323	531650	28.22%	5.576%
3	10.387	492	499	516	rBV	289196	1666176	88.43%	17.475%
4	12.560	637	644	661	rBV	341843	1812236	96.18%	19.007%
5	14.696	781	787	802	rBV	374742	1884260	100.00%	19.763%
6	16.465	899	905	923	rBV	361369	1822670	96.73%	19.117%

Sum of corrected areas: 9534440

I2500.D IME0214.M Wed Feb 19 11:53:12 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2500.D
Operator : DPEI
Acquired : 19 Feb 2003 3:14 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: N/A,METHOD_BLK,W,5mL,100
Misc Info : NA,NA,NA
Vial Number: 31
Quant File :IME0214.RES (RTE Integrator)



I2500.D IME0214.M Wed Feb 19 11:53:12 2003 MSD_I

0194

301452

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8213.D DFTPP Injection Date : 02/18/2003

Inst ID: MSDB DFTPP Injection Time: 07:43

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	37.1			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	47.1			
70	Less than 2.0% of mass 69	0.1	(	0.3	)1
127	40.0 - 60.0% of mass 198	58.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.4			
275	10.0 - 30.0% of mass 198	23.6			
365	Greater than 1.0% of mass 198	1.9			
441	Present, but less than mass 443	10.65	(	70.8	)3
442	40.0 - 100.0% of mass 198	71.6			
443	17.0 - 23.0% of mass 442	15.0	(	21.0	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	20ng_BNA-inj-for_	B8214.D	02/18/2003	08:26
.	50ng_BNA-inj-for_	B8215.D	02/18/2003	08:41
.	80ng_BNA-inj-for_	B8216.D	02/18/2003	08:57
.	10ng_BNA-inj-for_	B8218.D	02/18/2003	09:28
.	5ng_BNA-inj-for_0	B8220.D	02/18/2003	09:59
.	20ng_OLM04-inj-fo	B8221.D	02/18/2003	10:14
.	50ng_OLM04-inj-fo	B8222.D	02/18/2003	10:30
.	80ng_OLM04-inj-fo	B8223.D	02/18/2003	10:45
.	10ng_OLM04-inj-fo	B8226.D	02/18/2003	11:32
.	5ng_OLM04-inj-for	B8227.D	02/18/2003	11:47
.	Method-blk	B8229.D	02/18/2003	12:28
.	DI-MS	B8230.D	02/18/2003	12:44
.	DI-MSD	B8231.D	02/18/2003	12:59
B-2W	01180-001	B8232.D	02/18/2003	13:14
B-8W	01180-002	B8233.D	02/18/2003	13:30
B-12W	01180-003	B8234.D	02/18/2003	13:46
B-20W	01180-004	B8235.D	02/18/2003	14:01
P-1	01186-006	B8236.D	02/18/2003	14:17
MW-1/5	01187-001	B8237.D	02/18/2003	14:32
MW_1	01188-001	B8238.D	02/18/2003	14:48
SUMP1	01189-001	B8239.D	02/18/2003	15:03
SUMP-1/5.5-9.5	01185-001	B8240.D	02/18/2003	15:19
.	Method-Blank	B8241.D	02/18/2003	15:34

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8213.D DFTPP Injection Date : 02/18/2003

Inst ID: MSDB DFTPP Injection Time: 07:43

m/z	Ion Abudance Criteria	%Relative Abundance		
51	30.0 - 60.0% of mass 198	37.1		
68	Less than 2.0% of mass 69	0.0	(0.0	)1
69	Mass 69 relative abundance	47.1		
70	Less than 2.0% of mass 69	0.1	(0.3	)1
127	40.0 - 60.0% of mass 198	58.3		
197	Less than 1.0% of mass 198	0.0		
198	Base peak, 100% relative abundance	100.0		
199	5.0 - 9.0% of mass 198	6.4		
275	10.0 - 30.0% of mass 198	23.6		
365	Greater than 1.0% of mass 198	1.9		
441	Present, but less than mass 443	0.00	(70.8	)3
442	40.0 - 100.0% of mass 198	71.6		
443	17.0 - 23.0% of mass 442	15.0	(21.0	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	di-ms	B8242.D	02/18/2003	15:50
.	di-msd	B8243.D	02/18/2003	16:05
20A_EFF	01201-001	B8244.D	02/18/2003	16:21
DUP_20A_021103	01201-002	B8245.D	02/18/2003	16:36
INFLUENT	01207-001	B8246.D	02/18/2003	16:52
EFFLUENT	01207-002	B8247.D	02/18/2003	17:07
B-3/4.0	01229-004	B8248.D	02/18/2003	17:23
GW-1	01229-007	B8249.D	02/18/2003	17:38
GW-2	01229-015	B8250.D	02/18/2003	17:54
POTABLE_WELL	01199-001	B8251.D	02/18/2003	18:09
MW-2	01202-001	B8252.D	02/18/2003	18:25
MW-3	01202-002	B8253.D	02/18/2003	18:40
FIELD	01202-003	B8254.D	02/18/2003	18:56
MW-1	01204-001	B8255.D	02/18/2003	19:11
TMP-106	01238-001	B8256.D	02/18/2003	19:26
TMP-105	01238-002	B8257.D	02/18/2003	19:42
TMP-121	01238-003	B8258.D	02/18/2003	19:57
TMP-122	01238-004	B8259.D	02/18/2003	20:13
TMP-116	01238-005	B8260.D	02/18/2003	20:28
SUMP	01247-001	B8261.D	02/18/2003	20:44
01	01224-001	B8262.D	02/18/2003	20:59
01	01224-001	B8263.D	02/18/2003	21:15

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8213.D DFTPP Injection Date : 02/18/2003

Inst ID: MSDB DFTPP Injection Time: 07:43

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	37.1			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	47.1			
70	Less than 2.0% of mass 69	0.1	(	0.3	)1
127	40.0 - 60.0% of mass 198	58.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.4			
275	10.0 - 30.0% of mass 198	23.6			
365	Greater than 1.0% of mass 198	1.9			
441	Present, but less than mass 443	0.00	(	70.8	)3
442	40.0 - 100.0% of mass 198	71.6			
443	17.0 - 23.0% of mass 442	15.0	(	21.0	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
B-3/4.0	01229-004	B8264.D	02/19/2003	06:41
POTABLE_WELL	01199-001	B8265.D	02/19/2003	06:56
MW-1	01204-001	B8266.D	02/19/2003	07:11
TMP-105	01238-002	B8267.D	02/19/2003	07:27
SUMP	01247-001	B8268.D	02/19/2003	07:42

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8271.D DFTPP Injection Date : 02/20/2003

Inst ID: MSDB DFTPP Injection Time: 09:02

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	36.1			
68	Less than 2.0% of mass 69	0.5	(	1.3	)1
69	Mass 69 relative abundance	41.6			
70	Less than 2.0% of mass 69	0.3	(	0.8	)1
127	40.0 - 60.0% of mass 198	56.7			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.5			
275	10.0 - 30.0% of mass 198	23.7			
365	Greater than 1.0% of mass 198	2.6			
441	Present, but less than mass 443	14.48	(	70.6	)3
442	40.0 - 100.0% of mass 198	99.1			
443	17.0 - 23.0% of mass 442	20.5	(	20.7	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	20ng_BNA-inj-for_	B8272.D	02/20/2003	09:12
.	20ng_OLM04-inj-fo	B8273.D	02/20/2003	09:27
.	Method-blk	B8274.D	02/20/2003	10:30
.	DI-MS	B8275.D	02/20/2003	10:46
.	DI-MSD	B8276.D	02/20/2003	11:01
MW-1	01248-001	B8277.D	02/20/2003	11:17
T-1	01249-001	B8278.D	02/20/2003	11:33
T-1	01249-001	B8279.D	02/20/2003	11:50
.	Method-Blank	B8280.D	02/20/2003	12:08
T-1	01249-001	B8281.D	02/20/2003	12:24
T-1	01249-001	B8282.D	02/20/2003	12:42
MW-1	01272-001	B8283.D	02/20/2003	12:58
021903-FB	01272-002	B8284.D	02/20/2003	13:13
SUMP	01278-001	B8285.D	02/20/2003	13:29
FIELD-BLANK	01235-010	B8286.D	02/20/2003	13:45

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: C4991.D DFTPP Injection Date : 01/31/2003

Inst ID: MSDC DFTPP Injection Time: 10:58

m/z	Ion Abudance Criteria	%Relative Abundance	
51	30.0 - 60.0% of mass 198	43.7	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	47.1	
70	Less than 2.0% of mass 69	0.0	(0.0)1
127	40.0 - 60.0% of mass 198	55.5	
197	Less than 1.0% of mass 198	0.0	
198	Base peak, 100% relative abundance	100.0	
199	5.0 - 9.0% of mass 198	6.8	
275	10.0 - 30.0% of mass 198	21.4	
365	Greater than 1.0% of mass 198	2.1	
441	Present, but less than mass 443	15.07	(87.4)3
442	40.0 - 100.0% of mass 198	87.5	
443	17.0 - 23.0% of mass 442	17.2	(19.7)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	80ng-INJ-BNA	C4992.D	01/31/2003	11:21
.	50ng-INJ-BNA	C4993.D	01/31/2003	11:36
.	120ng-INJ-BNA	C4994.D	01/31/2003	11:51
.	160ng-INJ-BNA	C4995.D	01/31/2003	12:10
.	20ng-INJ-BNA	C4996.D	01/31/2003	12:34
.	160ng-INJ-OLMO4	C4997.D	01/31/2003	12:49
.	120ng-INJ-OLMO4	C4998.D	01/31/2003	13:04
.	50ng-INJ-OLMO4	C4999.D	01/31/2003	13:20
.	20ng-INJ-OLMO4	C5000.D	01/31/2003	13:35
.	80ng-INJ-OLMO4	C5001.D	01/31/2003	13:55
.	Method-blk	C5002.D	01/31/2003	14:16
.	LCS	C5003.D	01/31/2003	14:58
.	MS(00806-002)	C5004.D	01/31/2003	15:13
.	MSD(00806-002)	C5005.D	01/31/2003	15:29
SPA-16/7.5-8	00806-002	C5006.D	01/31/2003	15:44
SPA-5/7.5-8	00806-003	C5007.D	01/31/2003	16:00
SPA-26/0-0.5	00806-004	C5008.D	01/31/2003	16:15
SPA-27/0-0.5	00806-005	C5009.D	01/31/2003	16:31
SPA-21/2.5-3	00806-009	C5010.D	01/31/2003	16:46
SPA-31/0-0.5	00806-010	C5011.D	01/31/2003	17:02
SPA-31/2.5-3	00806-011	C5012.D	01/31/2003	17:17
SPA-32/0-0.5	00806-012	C5013.D	01/31/2003	17:33
SPA-32/2.5-3	00806-013	C5014.D	01/31/2003	17:48

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: C4991.D DFTPP Injection Date : 01/31/2003

Inst ID: MSDC DFTPP Injection Time: 10:58

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	43.7			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	47.1			
70	Less than 2.0% of mass 69	0.0	(	0.0	)1
127	40.0 - 60.0% of mass 198	55.5			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.8			
275	10.0 - 30.0% of mass 198	21.4			
365	Greater than 1.0% of mass 198	2.1			
441	Present, but less than mass 443	0.00	(	87.4	)3
442	40.0 - 100.0% of mass 198	87.5			
443	17.0 - 23.0% of mass 442	17.2	(	19.7	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
SPB-8/1.5-2	00806-030	C5015.D	01/31/2003	18:04
SPB-9/0-0.5	00806-031	C5016.D	01/31/2003	18:19
SPB-10/0-0.5	00806-032	C5017.D	01/31/2003	18:35
SPA-20/2.5-3	00806-035	C5018.D	01/31/2003	18:50

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: C5271.D DFTPP Injection Date : 02/21/2003

Inst ID: MSDC DFTPP Injection Time: 08:47

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	39.5			
68	Less than 2.0% of mass 69	0.7	(	1.6	)1
69	Mass 69 relative abundance	44.2			
70	Less than 2.0% of mass 69	0.1	(	0.3	)1
127	40.0 - 60.0% of mass 198	54.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	7.0			
275	10.0 - 30.0% of mass 198	22.1			
365	Greater than 1.0% of mass 198	2.0			
441	Present, but less than mass 443	15.28	(	84.4	)3
442	40.0 - 100.0% of mass 198	91.9			
443	17.0 - 23.0% of mass 442	18.1	(	19.7	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	50ng-INJ-bna	C5272.D	02/21/2003	09:08
.	50ng-INJ-olmo4	C5273.D	02/21/2003	09:24
.	Method-blk	C5274.D	02/21/2003	10:00
.	LCS	C5275.D	02/21/2003	10:16
AOC-_30-5/6.5-	01283-001	C5276.D	02/21/2003	11:14
AOC-_30-1/6.5-	01283-002	C5277.D	02/21/2003	11:30
AOC-_30-2/6.0-	01283-003	C5278.D	02/21/2003	11:45
AOC-_30-3/6.5-	01283-004	C5279.D	02/21/2003	12:01
AOC-_30-4/5.5-	01283-005	C5280.D	02/21/2003	12:16
AOC-_30-6/5.0-	01283-006	C5281.D	02/21/2003	12:32
AOC-_30-7/6.5-	01283-007	C5282.D	02/21/2003	12:47
AOC-_30-8/6.5-	01283-008	C5283.D	02/21/2003	13:03
REP021903	01283-009	C5284.D	02/21/2003	13:18
SB-T12-0/0-0.5	01235-001	C5285.D	02/21/2003	13:34
SB-T12-11/11-1	01235-002	C5286.D	02/21/2003	13:49
SB-T12-14/14-1	01235-003	C5287.D	02/21/2003	14:05
SB-W13-0/0-0.5	01235-004	C5288.D	02/21/2003	14:21
SB-W13-12/12-1	01235-005	C5289.D	02/21/2003	14:36
SB-W13-19/19-19.	01235-006	C5290.D	02/21/2003	14:52
SB-W15-0/0-0.5	01235-007	C5291.D	02/21/2003	15:07
SB-W15-11.5/11	01235-008	C5292.D	02/21/2003	15:23
SB-W15-16.5/16	01235-009	C5293.D	02/21/2003	15:38
P106-1/3.5-4	01148-007	C5294.D	02/21/2003	15:54

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: C5271.D DFTPP Injection Date : 02/21/2003

Inst ID: MSDC DFTPP Injection Time: 08:47

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	39.5			
68	Less than 2.0% of mass 69	0.7	(	1.6	)1
69	Mass 69 relative abundance	44.2			
70	Less than 2.0% of mass 69	0.1	(	0.3	)1
127	40.0 - 60.0% of mass 198	54.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	7.0			
275	10.0 - 30.0% of mass 198	22.1			
365	Greater than 1.0% of mass 198	2.0			
441	Present, but less than mass 443	0.00	(	84.4	)3
442	40.0 - 100.0% of mass 198	91.9			
443	17.0 - 23.0% of mass 442	18.1	(	19.7	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
SB-W13-12/12-1	01235-005	C5295.D	02/21/2003	16:09
.	MS(01235-009)	C5296.D	02/21/2003	16:25
.	MSD(01235-009)	C5297.D	02/21/2003	16:40
.	Method-blk	C5298.D	02/21/2003	16:56
.	LCS	C5299.D	02/21/2003	17:11
.	MS(01193-004)	C5300.D	02/21/2003	17:27
.	MSD(01193-004)	C5301.D	02/21/2003	17:43
B-3/13	01193-004	C5302.D	02/21/2003	17:58
B-13	01181-014	C5303.D	02/21/2003	18:14
B-3	01181-003	C5304.D	02/21/2003	18:29
B-11	01181-012	C5305.D	02/21/2003	18:45

SEMIVOLATILE METHOD BLANK SUMMARY

Lab File ID: B8274.D

Instrument ID: MSDB

Date Extracted: 02/19/03

Matrix: AQUEOUS

Date Analyzed: 02/20/2003

Time Analyzed: 10:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
.	DI-MS	02/20/2003	10:46
.	DI-MSD	02/20/2003	11:01
MW-1	01248-001	02/20/2003	11:17
T-1	01249-001	02/20/2003	11:33
T-1	01249-001	02/20/2003	11:50
T-1	01249-001	02/20/2003	12:24
T-1	01249-001	02/20/2003	12:42

FORM IV SV

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/19/2003
Date Analyzed: 02/20/2003
Data file: B8274.D

GC/MS Column: DB-5
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
N-Nitrosodimethylamine	ND		0.220
Benzaldehyde	ND		0.180
Phenol	ND		0.150
Aniline	ND		0.130
bis(2-Chloroethyl)ether	ND		0.240
2-Chlorophenol	ND		0.120
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
Benzyl alcohol	ND		0.390
1,2-Dichlorobenzene	ND		0.160
2-Methylphenol	ND		0.180
bis(2-chloroisopropyl)ether	ND		0.200
4-Methylphenol	ND		0.300
N-Nitroso-di-n-propylamine	ND		0.200
Acetophenone	ND		0.230
Hexachloroethane	ND		0.190
Nitrobenzene	ND		0.250
Isophorone	ND		0.120
2-Nitrophenol	ND		0.460
2,4-Dimethylphenol	ND		0.220
bis(2-Chloroethoxy)methane	ND		0.120
Benzoic acid	ND		0.800
2,4-Dichlorophenol	ND		0.210
1,2,4-Trichlorobenzene	ND		0.170
Naphthalene	ND		0.110
4-Chloroaniline	ND		0.140
Hexachlorobutadiene	ND		0.240
Caprolactam	ND		0.380
4-Chloro-3-methylphenol	ND		0.230
2-Methylnaphthalene	ND		0.140
Hexachlorocyclopentadiene	ND		0.330
2,4,6-Trichlorophenol	ND		0.270
2,4,5-Trichlorophenol	ND		0.300
1-1'-Biphenyl	ND		0.120
2-Chloronaphthalene	ND		0.120
2-Nitroaniline	ND		0.500
Dimethylphthalate	ND		0.190

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/19/2003
Date Analyzed: 02/20/2003
Data file: B8274.D

GC/MS Column: DB-5
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.480
Acenaphthylene	ND		0.180
3-Nitroaniline	ND		0.320
Acenaphthene	ND		0.170
2,4-Dinitrophenol	ND		0.470
4-Nitrophenol	ND		0.460
2,4-Dinitrotoluene	ND		0.450
Dibenzofuran	ND		0.120
Diethylphthalate	ND		0.180
Fluorene	ND		0.180
4-Chlorophenyl-phenylether	ND		0.230
4-Nitroaniline	ND		0.380
1,2,4,5-Tetrachlorobenzene	ND		0.230
4,6-Dinitro-2-methylphenol	ND		0.780
N-Nitrosodiphenylamine	ND		0.150
1,2-Diphenylhydrazine/Azobenzene	ND		0.140
4-Bromophenyl-phenylether	ND		0.260
Hexachlorobenzene	ND		0.190
Atrazine	ND		0.280
Pentachlorophenol	ND		0.490
Phenanthrene	ND		0.110
Anthracene	ND		0.140
Carbazole	ND		0.170
Di-n-butylphthalate	ND		0.160
Fluoranthene	ND		0.190
Benzidine	ND		0.420
Pyrene	ND		0.140
3,3'-Dimethylbenzidine	ND		0.680
Butylbenzylphthalate	ND		0.310
3,3'-Dichlorobenzidine	ND		0.430
Benzo[a]anthracene	ND		0.150
Chrysene	ND		0.140
bis(2-Ethylhexyl)phthalate	ND		0.370
Di-n-octylphthalate	ND		0.570
Benzo[b]fluoranthene	ND		0.340
Benzo[k]fluoranthene	ND		0.630
Benzo[a]pyrene	ND		0.200
Indeno[1,2,3-cd]pyrene	ND		0.510
Dibenz[a,h]anthracene	ND		0.490
Benzo[g,h,i]perylene	ND		0.310

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/19/2003
Date Analyzed: 02/20/2003
Data file: B8274.D

GC/MS Column: DB-5
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

SEMIVOLATILE METHOD BLANK SUMMARY

Lab File ID: B8280.D

Instrument ID: MSDB

Date Extracted: 02/20/03

Matrix: AQUEOUS

Date Analyzed: 02/20/2003

Time Analyzed: 12:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MW-1	01272-001	02/20/2003	12:58
021903-FB	01272-002	02/20/2003	13:13
SUMP	01278-001	02/20/2003	13:29
FIELD-BLANK	01235-010	02/20/2003	13:45

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: N/A

Lab ID: Method-Blank
Client ID: .
Date Received: N/A
Date Extracted: 02/20/2003
Date Analyzed: 02/20/2003
Data file: B8280.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
N-Nitrosodimethylamine	ND		0.220
Benzaldehyde	ND		0.180
Phenol	ND		0.150
Aniline	ND		0.130
bis(2-Chloroethyl)ether	ND		0.240
2-Chlorophenol	ND		0.120
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
Benzyl alcohol	ND		0.390
1,2-Dichlorobenzene	ND		0.160
2-Methylphenol	ND		0.180
bis(2-chloroisopropyl)ether	ND		0.200
4-Methylphenol	ND		0.300
N-Nitroso-di-n-propylamine	ND		0.200
Acetophenone	ND		0.230
Hexachloroethane	ND		0.190
Nitrobenzene	ND		0.250
Isophorone	ND		0.120
2-Nitrophenol	ND		0.460
2,4-Dimethylphenol	ND		0.220
bis(2-Chloroethoxy)methane	ND		0.120
Benzoic acid	ND		0.800
2,4-Dichlorophenol	ND		0.210
1,2,4-Trichlorobenzene	ND		0.170
Naphthalene	ND		0.110
4-Chloroaniline	ND		0.140
Hexachlorobutadiene	ND		0.240
Caprolactam	ND		0.380
4-Chloro-3-methylphenol	ND		0.230
2-Methylnaphthalene	ND		0.140
Hexachlorocyclopentadiene	ND		0.330
2,4,6-Trichlorophenol	ND		0.270
2,4,5-Trichlorophenol	ND		0.300
1-1'-Biphenyl	ND		0.120
2-Chloronaphthalene	ND		0.120
2-Nitroaniline	ND		0.500
Dimethylphthalate	ND		0.190

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: N/A

Lab ID: Method-Blank
Client ID: .
Date Received: N/A
Date Extracted: 02/20/2003
Date Analyzed: 02/20/2003
Data file: B8280.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.480
Acenaphthylene	ND		0.180
3-Nitroaniline	ND		0.320
Acenaphthene	ND		0.170
2,4-Dinitrophenol	ND		0.470
4-Nitrophenol	ND		0.460
2,4-Dinitrotoluene	ND		0.450
Dibenzofuran	ND		0.120
Diethylphthalate	ND		0.180
Fluorene	ND		0.180
4-Chlorophenyl-phenylether	ND		0.230
4-Nitroaniline	ND		0.380
1,2,4,5-Tetrachlorobenzene	ND		0.230
4,6-Dinitro-2-methylphenol	ND		0.780
N-Nitrosodiphenylamine	ND		0.150
1,2-Diphenylhydrazine/Azobenzene	ND		0.140
4-Bromophenyl-phenylether	ND		0.260
Hexachlorobenzene	ND		0.190
Atrazine	ND		0.280
Pentachlorophenol	ND		0.490
Phenanthrene	ND		0.110
Anthracene	ND		0.140
Carbazole	ND		0.170
Di-n-butylphthalate	ND		0.160
Fluoranthene	ND		0.190
Benzidine	ND		0.420
Pyrene	ND		0.140
3,3'-Dimethylbenzidine	ND		0.680
Butylbenzylphthalate	ND		0.310
3,3'-Dichlorobenzidine	ND		0.430
Benzo[a]anthracene	ND		0.150
Chrysene	ND		0.140
bis(2-Ethylhexyl)phthalate	ND		0.370
Di-n-octylphthalate	ND		0.570
Benzo[b]fluoranthene	ND		0.340
Benzo[k]fluoranthene	ND		0.630
Benzo[a]pyrene	ND		0.200
Indeno[1,2,3-cd]pyrene	ND		0.510
Dibenz[a,h]anthracene	ND		0.490
Benzo[g,h,i]perylene	ND		0.310

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: N/A

Lab ID: Method-Blank
Client ID: .
Date Received: N/A
Date Extracted: 02/20/2003
Date Analyzed: 02/20/2003
Data file: B8280.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

SEMIVOLATILE METHOD BLANK SUMMARY

Lab File ID: C5274.D

Instrument ID: MSDC

Date Extracted: 02/21/03

Matrix: SOIL

Date Analyzed: 02/21/2003

Time Analyzed: 10:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
.	LCS	02/21/2003	10:16
AOC-_30-5/6.5-	01283-001	02/21/2003	11:14
AOC-_30-1/6.5-	01283-002	02/21/2003	11:30
AOC-_30-2/6.0-	01283-003	02/21/2003	11:45
AOC-_30-3/6.5-	01283-004	02/21/2003	12:01
AOC-_30-4/5.5-	01283-005	02/21/2003	12:16
AOC-_30-6/5.0-	01283-006	02/21/2003	12:32
AOC-_30-7/6.5-	01283-007	02/21/2003	12:47
AOC-_30-8/6.5-	01283-008	02/21/2003	13:03
REP021903	01283-009	02/21/2003	13:18
SB-T12-0/0-0.5	01235-001	02/21/2003	13:34
SB-T12-11/11-1	01235-002	02/21/2003	13:49
SB-T12-14/14-1	01235-003	02/21/2003	14:05
SB-W13-0/0-0.5	01235-004	02/21/2003	14:21
SB-W13-12/12-1	01235-005	02/21/2003	14:36
SB-W13-19/19-19.	01235-006	02/21/2003	14:52
SB-W15-0/0-0.5	01235-007	02/21/2003	15:07
SB-W15-11.5/11	01235-008	02/21/2003	15:23
SB-W15-16.5/16	01235-009	02/21/2003	15:38
P106-1/3.5-4	01148-007	02/21/2003	15:54
SB-W13-12/12-1	01235-005	02/21/2003	16:09
.	MS(01235-009)	02/21/2003	16:25
.	MSD(01235-009)	02/21/2003	16:40

FORM IV SV

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5274.D

GC/MS Column: DB-5
Sample wt/vol: 30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

Compound	Concentration	Q	MDL
N-Nitrosodimethylamine	ND		0.033
Benzaldehyde	ND		0.033
Phenol	ND		0.033
Aniline	ND		0.033
bis(2-Chloroethyl)ether	ND		0.033
2-Chlorophenol	ND		0.033
1,3-Dichlorobenzene	ND		0.033
1,4-Dichlorobenzene	ND		0.033
Benzyl alcohol	ND		0.033
1,2-Dichlorobenzene	ND		0.033
2-Methylphenol	ND		0.033
bis(2-chloroisopropyl)ether	ND		0.033
4-Methylphenol	ND		0.033
N-Nitroso-di-n-propylamine	ND		0.033
Acetophenone	ND		0.033
2-Aminotoluene +4-Aminotoluene	ND		0.033
Hexachloroethane	ND		0.033
Nitrobenzene	ND		0.033
Isophorone	ND		0.033
2-Nitrophenol	ND		0.033
2,4-Dimethylphenol	ND		0.033
bis(2-Chloroethoxy)methane	ND		0.033
Benzoic acid	ND		0.033
2,4-Dimethylaniline	ND		0.033
2,4-Dichlorophenol	ND		0.033
1,2,4-Trichlorobenzene	ND		0.033
Naphthalene	ND		0.033
4-Chloroaniline	ND		0.033
Hexachlorobutadiene	ND		0.033
Caprolactam	ND		0.033
4-Chloro-3-methylphenol	ND		0.033
2-Methylnaphthalene	ND		0.033
Hexachlorocyclopentadiene	ND		0.033
2,4,6-Trichlorophenol	ND		0.033
2,4,5-Trichlorophenol	ND		0.033
1-1'-Biphenyl	ND		0.033
2-Chloronaphthalene	ND		0.033
2-Nitroaniline	ND		0.033
Dimethylphthalate	ND		0.033

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5274.D

GC/MS Column: DB-5
Sample wt/vol: 30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.033
Acenaphthylene	ND		0.033
3-Nitroaniline	ND		0.033
Acenaphthene	ND		0.033
2,4-Dinitrophenol	ND		0.033
4-Nitrophenol	ND		0.033
2,4-Dinitrotoluene	ND		0.033
Dibenzofuran	ND		0.033
Diethylphthalate	ND		0.033
Fluorene	ND		0.033
4-Chlorophenyl-phenylether	ND		0.033
4-Nitroaniline	ND		0.033
1,2,4,5-Tetrachlorobenzene	ND		0.033
4,6-Dinitro-2-methylphenol	ND		0.033
N-Nitrosodiphenylamine	ND		0.033
1,2-Diphenylhydrazine/Azobenzene	ND		0.033
4-Bromophenyl-phenylether	ND		0.033
Hexachlorobenzene	ND		0.033
Atrazine	ND		0.033
Pentachlorophenol	ND		0.033
Phenanthrene	ND		0.033
Anthracene	ND		0.033
Carbazole	ND		0.033
Di-n-butylphthalate	ND		0.033
Fluoranthene	ND		0.033
Benzidine	ND		0.033
Pyrene	ND		0.033
3,3'-Dimethylbenzidine	ND		0.033
Butylbenzylphthalate	ND		0.033
3,3'-Dichlorobenzidine	ND		0.033
Benzo[a]anthracene	ND		0.033
Chrysene	ND		0.033
bis(2-Ethylhexyl)phthalate	ND		0.033
Di-n-octylphthalate	ND		0.033
Benzo[b]fluoranthene	ND		0.033
Benzo[k]fluoranthene	ND		0.033
Benzo[a]pyrene	ND		0.033
Indeno[1,2,3-cd]pyrene	ND		0.033
Dibenz[a,h]anthracene	ND		0.033
Benzo[g,h,i]perylene	ND		0.033

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: C5274.D

GC/MS Column: DB-5
Sample wt/vol: 30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

Response Factor Report MSD_B

Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration

Calibration Files
5 =B8220.D 80 =B8216.D 50 =B8215.D
20 =B8214.D 10 =B8218.D

		Compound (ppb)	5	80	50	20	10	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)	T	N-Nitrosodimethylamin	0.414	0.467	0.593	0.438	0.420	0.466	15.81
3)	T	Pyridine	0.508	0.587	0.656	0.532	0.598	0.576	10.13
4)	S	2-Fluorophenol	0.986	1.202	1.249	0.949	1.016	1.080	12.54
5)	T	Benzaldehyde	0.377	0.255	0.371	0.295	0.324	0.325	15.82
6)	S	Phenol-d5	1.370	1.458	1.503	1.356	1.379	1.413	4.53
7)	MC	Phenol	1.122	1.511	1.408	1.222	1.217	1.296	12.25
8)	T	Aniline	0.628	0.648	0.684	0.620	0.605	0.637	4.75
9)	T	bis(2-Chloroethyl)eth	0.694	0.752	0.868	0.739	0.695	0.750	9.46
10)	M	2-Chlorophenol	1.017	1.099	1.169	1.033	1.062	1.076	5.65
11)	T	1,3-Dichlorobenzene	1.160	1.317	1.413	1.183	1.177	1.250	8.86
12)	MC	1,4-Dichlorobenzene	1.031	1.203	1.238	1.269	0.986	1.145	11.17
13)	T	Benzyl alcohol	0.612	0.752	0.746	0.683	0.649	0.689	8.83
14)	T	1,2-Dichlorobenzene	1.031	1.157	1.194	1.096	1.041	1.104	6.45
15)	T	2-Methylphenol	1.117	1.089	1.189	1.078	1.056	1.106	4.65
16)	T	bis(2-chloroisopropyl	1.183	1.196	1.293	1.215	1.249	1.227	3.64
17)	T	4-Methylphenol	1.006	0.996	1.129	1.045	1.038	1.043	5.03
18)	MP	N-Nitroso-di-n-propyl	0.691	0.728	0.823	0.737	0.724	0.741	6.65
19)	T	Acetophenone	1.498	1.531	1.652	1.494	1.512	1.537	4.26
20)	T	2-Aminotoluene +4-Ami	1.686	1.779	1.908	1.744	1.770	1.777	4.59
21)	T	Hexachloroethane	0.434	0.493	0.501	0.441	0.433	0.461	7.28
22)		ISTD1X						0.000	-1.00
23)	I	Naphthalene-d8	----------ISTD----------						
24)	S	Nitrobenzene-d5	0.280	0.332	0.372	0.286	0.290	0.312	12.53
25)	T	Nitrobenzene	0.268	0.293	0.300	0.266	0.276	0.281	5.40
26)	T	Isophorone	0.504	0.491	0.573	0.505	0.521	0.519	6.24
27)	TC	2-Nitrophenol	0.119	0.151	0.151	0.134	0.128	0.137	10.42
28)	T	2,4-Dimethylphenol	0.246	0.269	0.293	0.266	0.264	0.268	6.25
29)	T	bis(2-Chloroethoxy)me	0.282	0.313	0.359	0.310	0.322	0.317	8.78
30)	T	Benzoic acid	0.142	0.157	0.185	0.150	0.144	0.156	11.22
31)	T	2,4-Dimethylaniline	0.261	0.287	0.323	0.283	0.275	0.286	8.09
32)	TC	2,4-Dichlorophenol	0.182	0.208	0.235	0.195	0.196	0.203	9.80
33)	M	1,2,4-Trichlorobenzen	0.201	0.223	0.257	0.222	0.221	0.225	8.97
34)	T	Naphthalene	0.755	0.794	0.931	0.785	0.811	0.815	8.30
35)	T	4-Chloroaniline	0.385	0.447	0.501	0.418	0.426	0.435	9.84
36)	T	4-Aminoaniline						0.000	-1.00
37)	TC	Hexachlorobutadiene	0.111	0.127	0.138	0.127	0.119	0.124	8.12
38)	T	Caprolactam	0.092	0.094	0.112	0.092	0.097	0.097	8.56
39)	T	2-Aminoaniline						0.000	-1.00
40)	MC	4-Chloro-3-methylphen	0.209	0.213	0.247	0.215	0.219	0.221	6.94
41)	T	2-Methylnaphthalene	0.518	0.572	0.597	0.541	0.536	0.553	5.67
42)		ISTD2X						0.000	-1.00
43)	I	Acenaphthene-d10	----------ISTD----------						
44)	TP	Hexachlorocyclopentad	0.112	0.200	0.188	0.162	0.109	0.154	27.37
45)	TC	2,4,6-Trichlorophenol	0.213	0.248	0.289	0.258	0.240	0.250	11.08
46)	T	2,4,5-Trichlorophenol	0.294	0.312	0.340	0.322	0.304	0.314	5.65
47)	S	2-Fluorobiphenyl	1.065	1.035	1.194	1.182	1.105	1.117	6.28

0215

48)	T	1-1'-Biphenyl	1.067	1.212	1.222	1.217	1.126	1.169	5.92
49)	T	2-Chloronaphthalene	0.786	0.844	0.993	0.860	0.814	0.859	9.31
50)	T	2-Nitroaniline	0.234	0.281	0.294	0.288	0.263	0.272	8.90
51)	T	Dimethylphthalate	0.897	0.982	1.008	0.993	0.937	0.963	4.70
52)	T	2,6-Dinitrotoluene	0.190	0.208	0.226	0.220	0.208	0.210	6.64
53)	T	Acenaphthylene	1.298	1.526	1.593	1.505	1.374	1.459	8.22
54)	T	3-Nitroaniline	0.282	0.347	0.345	0.335	0.315	0.325	8.36
55)	MC	Acenaphthene	0.828	0.878	1.020	0.911	0.854	0.898	8.32
56)	T	2,4-Dinitrophenol	0.035	0.083	0.087	0.079	0.053	0.067	33.38
57)	MP	4-Nitrophenol	0.266	0.321	0.359	0.304	0.299	0.310	10.94
58)	M	2,4-Dinitrotoluene	0.232	0.278	0.300	0.260	0.255	0.265	9.62
59)	T	Dibenzofuran	1.202	1.324	1.371	1.285	1.249	1.286	5.09
60)	T	Diethylphthalate	0.901	1.010	1.032	1.028	0.918	0.978	6.48
61)	T	Fluorene	0.931	1.006	1.110	0.997	0.959	1.001	6.80
62)	T	4-Chlorophenyl-phenyl	0.400	0.496	0.468	0.469	0.442	0.455	7.95
63)	T	4-Nitroaniline	0.237	0.281	0.314	0.255	0.245	0.266	11.70
64)		1,2,4,5-Tetrachlorobe	0.376	0.425	0.481	0.428	0.388	0.420	9.78
65)		ISTD3X						0.000	-1.00
66)	I	Phenanthrene-d10	----------ISTD----------						
67)	T	4,6-Dinitro-2-methylp	0.032	0.077	0.073	0.057	0.047	0.057	32.64
68)	TC	N-Nitrosodiphenylamin	0.315	0.401	0.365	0.360	0.335	0.355	9.19
69)	T	1,2-Diphenylhydrazine	0.532	0.698	0.613	0.604	0.556	0.600	10.66
70)	S	2,4,6-Tribromophenol	0.092	0.108	0.107	0.097	0.092	0.099	7.70
71)	T	4-Bromophenyl-phenyle	0.122	0.148	0.163	0.137	0.133	0.141	11.30
72)	T	Hexachlorobenzene	0.140	0.183	0.179	0.155	0.148	0.161	11.69
73)	T	Atrazine	0.111	0.138	0.133	0.125	0.120	0.125	8.61
74)	MC	Pentachlorophenol	0.060	0.089	0.090	0.078	0.067	0.077	17.28
75)	T	Phenanthrene	0.662	0.818	0.804	0.720	0.689	0.739	9.38
76)	T	Anthracene	0.700	0.799	0.843	0.737	0.719	0.760	7.84
77)	T	Carbazole	0.600	0.691	0.711	0.634	0.621	0.651	7.26
78)	T	Di-n-butylphthalate	0.751	0.887	0.919	0.815	0.761	0.827	9.02
79)	TC	Fluoranthene	0.607	0.748	0.751	0.651	0.630	0.677	9.97
80)	T	Benzidine	0.123	0.173	0.189	0.125	0.123	0.147	21.84
81)		ISTD4X						0.000	-1.00
82)	I	Chrysene-d12	----------ISTD----------						
83)	M	Pyrene	0.869	1.085	1.128	1.005	0.917	1.001	10.92
84)	S	Terphenyl-d14	0.799	0.849	0.921	0.831	0.818	0.843	5.60
85)	T	3,3'-Dimethylbenzidin	0.478	0.524	0.680	0.517	0.494	0.539	15.11
86)	T	Butylbenzylphthalate	0.411	0.527	0.555	0.490	0.446	0.486	12.01
87)	T	3,3'-Dichlorobenzidin	0.262	0.215	0.236	0.256	0.258	0.245	8.04
88)	T	Benzo[a]anthracene	0.740	0.791	0.844	0.785	0.758	0.784	5.04
89)	T	Chrysene	0.714	0.772	0.823	0.763	0.746	0.763	5.21
90)	T	bis(2-Ethylhexyl)phth	0.557	0.711	0.740	0.649	0.602	0.652	11.56
91)		ISTD5X						0.000	-1.00
92)	I	Perylene-d12	----------ISTD----------						
93)	TC	Di-n-octylphthalate	1.320	1.853	1.953	1.646	1.493	1.653	15.61
94)	T	Benzo[b]fluoranthene	0.860	1.164	1.365	1.009	0.990	1.078	17.96
95)	T	Benzo[k]fluoranthene	1.113	1.224	1.213	1.192	1.065	1.161	5.98
96)	TC	Benzo[a]pyrene	0.929	1.038	1.103	1.003	0.946	1.004	7.03
97)	T	Indeno[1,2,3-cd]pyren	0.814	1.144	1.095	0.913	0.893	0.972	14.51
98)	T	Dibenz[a,h]anthracene	0.592	0.888	0.841	0.685	0.667	0.735	17.01
99)	T	Benzo[g,h,i]perylene	0.684	1.014	0.976	0.811	0.800	0.857	15.91

(#) = Out of Range

BW0203.M Tue Feb 18 11:59:46 2003 RPT1

Instrument ID: MSD_B
Method ID: BW0203.M
Date: 02/18/2003

Average %RSD = 10.03

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8272.D Vial: 88
Acq On : 20 Feb 2003 9:12 Operator: JC
Sample : .,20ng_BNA-inj-for_02/20/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Multiple Level Calibration

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
2	T	N-Nitrosodimethylamine	0.466	0.548	-17.6	143	0.00
3	T	Pyridine	0.576	0.644	-11.8	138	0.00
4	S	2-Fluorophenol	1.080	1.040	3.7	125	0.00
5	T	Benzaldehyde	0.325	0.274	15.7	106	0.00
6	S	Phenol-d5	1.413	1.395	1.3	117	0.00
7	MC	Phenol	1.296	1.315	-1.5	122	0.00
8	T	Aniline	0.637	0.650	-2.0	119	0.00
9	T	bis(2-Chloroethyl)ether	0.750	0.773	-3.1	119	0.00
10	M	2-Chlorophenol	1.076	1.078	-0.2	119	0.00
11	T	1,3-Dichlorobenzene	1.250	1.184	5.3	114	0.00
12	MC	1,4-Dichlorobenzene	1.145	1.279	-11.7	115	0.00
13	T	Benzyl alcohol	0.689	0.716	-3.9	119	0.00
14	T	1,2-Dichlorobenzene	1.104	1.118	-1.3	116	0.00
15	T	2-Methylphenol	1.106	1.070	3.3	113	0.00
16	T	bis(2-chloroisopropyl)ether	1.227	1.323	-7.8	124	0.00
17	T	4-Methylphenol	1.043	1.057	-1.3	115	0.00
18	MP	N-Nitroso-di-n-propylamine	0.741	0.753	-1.6	116	0.00
19	T	Acetophenone	1.537	1.511	1.7	115	0.00
20	T	2-Aminotoluene +4-Aminotolu	1.777	1.795	-1.0	117	0.00
21	T	Hexachloroethane	0.461	0.453	1.7	117	0.00
22		ISTD1X	0.000	0.000	0.0	0	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00
24	S	Nitrobenzene-d5	0.312	0.303	2.9	117	0.00
25	T	Nitrobenzene	0.281	0.290	-3.2	121	0.00
26	T	Isophorone	0.519	0.514	1.0	113	0.00
27	TC	2-Nitrophenol	0.137	0.139	-1.5	115	0.00
28	T	2,4-Dimethylphenol	0.268	0.274	-2.2	114	0.00
29	T	bis(2-Chloroethoxy)methane	0.317	0.321	-1.3	115	0.00
30	T	Benzoic acid	0.156	0.143	8.3	106	-0.02
31	T	2,4-Dimethylaniline	0.286	0.295	-3.1	115	0.00
32	TC	2,4-Dichlorophenol	0.203	0.196	3.4	112	0.00
33	M	1,2,4-Trichlorobenzene	0.225	0.215	4.4	108	0.00
34	T	Naphthalene	0.815	0.803	1.5	113	0.00
35	T	4-Chloroaniline	0.435	0.430	1.1	114	0.00
36	T	4-Aminoaniline	0.000	0.000	0.0	112	0.00
37	TC	Hexachlorobutadiene	0.124	0.123	0.8	108	0.00
38	T	Caprolactam	0.097	0.090	7.2	109	-0.02
39	T	2-Aminoaniline	0.000	0.000	0.0	112	0.00
40	MC	4-Chloro-3-methylphenol	0.221	0.210	5.0	108	0.00
41	T	2-Methylnaphthalene	0.553	0.535	3.3	109	0.00
42		ISTD2X	0.000	0.000	0.0	0	0.00
43	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00

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44	TP	Hexachlorocyclopentadiene	0.154	0.135	12.3	92	0.00
45	TC	2,4,6-Trichlorophenol	0.250	0.248	0.8	106	0.00
46	T	2,4,5-Trichlorophenol	0.314	0.310	1.3	106	0.00
47	S	2-Fluorobiphenyl	1.117	1.173	-5.0	110	0.00
48	T	1-1'-Biphenyl	1.169	1.191	-1.9	108	0.00
49	T	2-Chloronaphthalene	0.859	0.858	0.1	110	0.00
50	T	2-Nitroaniline	0.272	0.268	1.5	103	0.00
51	T	Dimethylphthalate	0.963	0.945	1.9	105	0.00
52	T	2,6-Dinitrotoluene	0.210	0.202	3.8	101	0.00
53	T	Acenaphthylene	1.459	1.467	-0.5	108	0.00
54	T	3-Nitroaniline	0.325	0.314	3.4	104	0.00
55	MC	Acenaphthene	0.898	0.863	3.9	105	0.00
56	T	2,4-Dinitrophenol	0.067	0.059	11.9	82	0.00
57	MP	4-Nitrophenol	0.310	0.290	6.5	105	0.00
58	M	2,4-Dinitrotoluene	0.265	0.237	10.6	101	0.00
59	T	Dibenzofuran	1.286	1.270	1.2	109	0.00
60	T	Diethylphthalate	0.978	0.939	4.0	101	0.00
61	T	Fluorene	1.001	0.938	6.3	104	0.00
62	T	4-Chlorophenyl-phenylether	0.455	0.439	3.5	103	0.00
63	T	4-Nitroaniline	0.266	0.229	13.9	99	0.00
64		1,2,4,5-Tetrachlorobenzene	0.420	0.416	1.0	107	0.00
65		ISTD3X	0.000	0.000	0.0	0	0.00
66	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
67	T	4,6-Dinitro-2-methylphenol	0.057	0.053	7.0	92	0.00
68	TC	N-Nitrosodiphenylamine	0.355	0.372	-4.8	103	0.00
69	T	1,2-Diphenylhydrazine/Azobe	0.600	0.645	-7.5	107	0.00
70	S	2,4,6-Tribromophenol	0.099	0.095	4.0	97	0.00
71	T	4-Bromophenyl-phenylether	0.141	0.141	0.0	102	0.00
72	T	Hexachlorobenzene	0.161	0.160	0.6	102	0.00
73	T	Atrazine	0.125	0.121	3.2	96	0.00
74	MC	Pentachlorophenol	0.077	0.071	7.8	91	0.00
75	T	Phenanthrene	0.739	0.724	2.0	100	0.00
76	T	Anthracene	0.760	0.737	3.0	100	0.00
77	T	Carbazole	0.651	0.609	6.5	96	0.00
78	T	Di-n-butylphthalate	0.827	0.808	2.3	99	0.00
79	TC	Fluoranthene	0.677	0.610	9.9	93	0.00
80	T	Benzidine	0.147	0.124	15.6	99	0.01
81		ISTD4X	0.000	0.000	0.0	0	0.00
82	I	Chrysene-d12	1.000	1.000	0.0	81	0.00
83	M	Pyrene	1.001	1.109	-10.8	89	0.00
84	S	Terphenyl-d14	0.843	0.927	-10.0	90	0.00
85	T	3,3'-Dimethylbenzidine	0.539	0.446	17.3	84	0.00
86	T	Butylbenzylphthalate	0.486	0.537	-10.5	88	0.00
87	T	3,3'-Dichlorobenzidine	0.245	0.266	-8.6	84	0.00
88	T	Benzo[a]anthracene	0.784	0.806	-2.8	83	-0.01
89	T	Chrysene	0.763	0.772	-1.2	82	-0.01
90	T	bis(2-Ethylhexyl)phthalate	0.652	0.691	-6.0	86	0.00
91		ISTD5X	0.000	0.000	0.0	0	0.00
92	I	Perylene-d12	1.000	1.000	0.0	80	0.00
93	TC	Di-n-octylphthalate	1.653	1.698	-2.7	82	0.00
94	T	Benzo[b]fluoranthene	1.078	1.095	-1.6	86	0.00
95	T	Benzo[k]fluoranthene	1.161	1.116	3.9	74	0.00
96	TC	Benzo[a]pyrene	1.004	1.009	-0.5	80	0.00
97	T	Indeno[1,2,3-cd]pyrene	0.972	1.047	-7.7	91	0.00
98	T	Dibenz[a,h]anthracene	0.735	0.778	-5.9	90	0.00
99	T	Benzo[g,h,i]perylene	0.857	0.977	-14.0	96	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 13

B8214.D BW0203.M Thu Feb 20 10:46:26 2003 RPT1

Response Factor Report MSD_C

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration

Calibration Files
120 =C4994.D 160 =C4995.D 20 =C4996.D
50 =C4993.D 80 =C4992.D

		Compound	120	160	20	50	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)	T	N-Nitrosodimethylam	0.654	0.642	0.648	0.648	0.608	0.640	2.86
3)	T	Pyridine	0.735	0.697	0.861	0.785	0.779	0.771	7.95
4)	S	2-Fluorophenol	1.157	1.404	1.367	1.274	1.155	1.272	9.09
5)	T	Benzaldehyde	0.922	0.864	0.784	0.645	0.692	0.782	14.77
6)	S	Phenol-d5	1.598	1.619	1.448	1.585	1.586	1.567	4.33
7)	MC	Phenol	1.401	1.630	1.752	1.383	1.788	1.591	11.99
8)	T	Aniline	0.668	0.663	0.723	0.686	0.677	0.684	3.49
9)	T	bis(2-Chloroethyl)e	0.841	0.760	0.907	0.826	0.809	0.829	6.43
10)	M	2-Chlorophenol	1.263	1.315	1.286	1.211	1.171	1.249	4.65
11)	T	1,3-Dichlorobenzene	1.301	1.354	1.236	1.307	1.369	1.314	4.00
12)	MC	1,4-Dichlorobenzene	1.283	1.443	1.236	1.179	1.194	1.267	8.39
13)	T	Benzyl alcohol	0.851	0.858	0.736	0.831	0.738	0.803	7.60
14)	T	1,2-Dichlorobenzene	1.198	1.385	1.180	1.239	1.242	1.249	6.45
15)	T	2-Methylphenol	1.220	1.205	1.122	1.128	1.190	1.173	3.84
16)	T	bis(2-chloroisoprop	1.429	1.384	1.662	1.538	1.464	1.495	7.28
17)	T	4-Methylphenol	1.269	1.252	1.265	1.215	1.137	1.228	4.46
18)	MP	N-Nitroso-di-n-prop	0.769	0.805	0.832	0.807	0.755	0.794	3.89
19)	T	Acetophenone	1.613	1.576	1.526	1.541	1.673	1.586	3.73
20)	T	2-Aminotoluene +4-A	2.094	1.817	2.125	1.966	1.904	1.981	6.50
21)	T	Hexachloroethane	0.453	0.519	0.481	0.475	0.470	0.480	5.07
22)		ISTD1X						0.000	-1.00
23)	I	Naphthalene-d8	----------ISTD----------						
24)	S	Nitrobenzene-d5	0.348	0.379	0.281	0.323	0.338	0.334	10.81
25)	T	Nitrobenzene	0.302	0.255	0.290	0.283	0.295	0.285	6.31
26)	T	Isophorone	0.545	0.526	0.535	0.536	0.553	0.539	1.93
27)	TC	2-Nitrophenol	0.189	0.159	0.144	0.147	0.165	0.161	11.20
28)	T	2,4-Dimethylphenol	0.303	0.299	0.307	0.287	0.313	0.302	3.17
29)	T	bis(2-Chloroethoxy)	0.338	0.346	0.326	0.355	0.336	0.340	3.28
30)	T	Benzoic acid	0.165	0.162	0.121	0.154	0.170	0.155	12.58
31)	T	2,4-Dimethylaniline	0.343	0.324	0.327	0.309	0.327	0.326	3.77
32)	TC	2,4-Dichlorophenol	0.282	0.248	0.244	0.235	0.250	0.252	6.99
33)	M	1,2,4-Trichlorobenz	0.251	0.247	0.209	0.232	0.256	0.239	8.03
34)	T	Naphthalene	0.825	0.926	0.822	0.937	0.883	0.879	6.17
35)	T	4-Chloroaniline	0.453	0.526	0.467	0.480	0.499	0.485	5.85
36)	T	4-Aminoaniline						0.000	-1.00
37)	TC	Hexachlorobutadiene	0.120	0.145	0.110	0.114	0.116	0.121	11.26
38)	T	Caprolactam	0.114	0.102	0.112	0.109	0.121	0.111	6.05
39)		2-Aminoaniline						0.000	-1.00
40)	MC	4-Chloro-3-methylph	0.280	0.233	0.260	0.251	0.253	0.256	6.68
41)	T	2-Methylnaphthalene	0.631	0.534	0.581	0.554	0.659	0.592	8.84
42)		ISTD2x						0.000	-1.00
43)	I	Acenaphthene-d10	----------ISTD----------						
44)	TP	Hexachlorocyclopent	0.286	0.377	0.194	0.222	0.271	0.270	26.12
45)	TC	2,4,6-Trichlorophen	0.323	0.396	0.255	0.313	0.309	0.319	15.72
46)	T	2,4,5-Trichlorophen	0.340	0.382	0.292	0.284	0.323	0.324	12.17
47)	S	2-Fluorobiphenyl	1.174	1.297	0.970	1.031	1.195	1.133	11.61

0120

48)	T	1-1'-Biphenyl	1.232	1.540	1.233	1.264	1.265	1.307	10.06
49)	T	2-Chloronaphthalene	0.956	1.162	0.840	0.993	0.923	0.975	12.19
50)	T	2-Nitroaniline	0.298	0.273	0.278	0.302	0.296	0.290	4.41
51)	T	Dimethylphthalate	1.003	1.133	0.889	0.976	1.000	1.000	8.71
52)	T	2,6-Dinitrotoluene	0.206	0.258	0.174	0.179	0.216	0.207	16.28
53)	T	Acenaphthylene	1.766	1.680	1.511	1.490	1.750	1.639	8.00
54)	T	3-Nitroaniline	0.252	0.271	0.248	0.232	0.247	0.250	5.53
55)	MC	Acenaphthene	0.992	1.167	0.905	1.033	0.987	1.017	9.42
56)	TP	2,4-Dinitrophenol	0.103	0.101	0.053	0.076	0.098	0.086	24.90
57)	MP	4-Nitrophenol	0.173	0.200	0.188	0.201	0.206	0.194	6.82
58)	M	2,4-Dinitrotoluene	0.255	0.293	0.234	0.228	0.245	0.251	10.27
59)	T	Dibenzofuran	1.514	1.418	1.228	1.341	1.522	1.405	8.80
60)	T	Diethylphthalate	0.923	1.137	0.957	0.929	0.985	0.986	8.91
61)	T	Fluorene	1.225	1.173	0.984	1.101	1.207	1.138	8.64
62)	T	4-Chlorophenyl-phen	0.579	0.523	0.434	0.439	0.534	0.502	12.56
63)	T	4-Nitroaniline	0.273	0.295	0.261	0.272	0.264	0.273	4.87
64)	t	1,2,4,5-Tetrachloro	0.497	0.587	0.395	0.459	0.466	0.481	14.50
65)		ISTD3X						0.000	-1.00
66)	I	Phenanthrene-d10	----------ISTD----------						
67)	T	4,6-Dinitro-2-methy	0.089	0.101	0.045	0.061	0.080	0.075	29.54
68)	TC	N-Nitrosodiphenylam	0.566	0.537	0.405	0.488	0.534	0.506	12.45
69)	T	1,2-Diphenylhydrazi	0.769	0.740	0.703	0.779	0.871	0.772	8.10
70)	S	2,4,6-Tribromopheno	0.120	0.103	0.090	0.108	0.101	0.104	10.42
71)	T	4-Bromophenyl-pheny	0.196	0.176	0.135	0.163	0.162	0.166	13.38
72)	T	Hexachlorobenzene	0.212	0.195	0.148	0.162	0.174	0.178	14.47
73)	T	Atrazine	0.148	0.143	0.125	0.129	0.122	0.133	8.63
74)	MC	Pentachlorophenol	0.107	0.129	0.075	0.097	0.111	0.104	18.95
75)	T	Phenanthrene	0.932	0.989	0.820	0.854	0.890	0.897	7.36
76)	T	Anthracene	0.917	0.969	0.821	0.929	0.986	0.924	6.94
77)	T	Carbazole	0.798	0.800	0.713	0.764	0.780	0.771	4.63
78)	T	Di-n-butylphthalate	1.040	1.057	0.935	1.000	1.056	1.017	5.09
79)	TC	Fluoranthene	0.731	0.853	0.685	0.744	0.758	0.754	8.21
80)	T	Benzidine	0.195	0.215	0.293	0.194	0.216	0.222	18.24
81)		ISTD4x						0.000	-1.00
82)	I	Chrysene-d12	----------ISTD----------						
83)	M	Pyrene	1.396	1.376	1.184	1.261	1.351	1.313	6.79
84)	S	Terphenyl-d14	0.938	0.881	0.882	0.884	0.928	0.902	3.09
85)	T	3,3'-Dimethylbenzid	0.908	0.817	0.488	0.654	0.713	0.716	22.42
86)	T	Butylbenzylphthalat	0.671	0.664	0.614	0.633	0.670	0.650	3.94
87)	T	3,3'-Dichlorobenzid	0.264	0.270	0.335	0.265	0.295	0.286	10.56
88)	T	Benzo[a]anthracene	0.946	0.990	0.886	0.913	0.943	0.936	4.19
89)	T	Chrysene	0.924	0.974	0.831	0.865	0.890	0.897	6.14
90)	T	bis(2-Ethylhexyl)ph	0.890	0.881	0.793	0.831	0.876	0.854	4.79
91)		ISTD5X						0.000	-1.00
92)	I	Perylene-d12	----------ISTD----------						
93)	TC	Di-n-octylphthalate	1.634	1.748	2.037	1.966	1.888	1.855	8.82
94)	T	Benzo[b]fluoranthen	1.196	1.383	1.223	1.126	1.257	1.237	7.65
95)	T	Benzo[k]fluoranthen	1.115	1.087	1.158	1.225	1.038	1.125	6.32
96)	TC	Benzo[a]pyrene	1.072	1.149	1.033	1.045	1.075	1.075	4.20
97)	T	Indeno[1,2,3-cd]pyr	1.271	1.372	1.100	1.269	1.349	1.272	8.39
98)	T	Dibenz[a,h]anthrace	0.966	1.026	0.822	0.951	1.033	0.959	8.87
99)	T	Benzo[g,h,i]perylen	1.070	1.146	0.934	1.132	1.154	1.087	8.43

(#) = Out of Range

CS0203.M Mon Feb 03 16:22:33 2003 MSD_C

Instrument ID:	MSD_C
Method ID:	1\METHODS\CS0203.M
Date:	01/31/2003

Average %RSD = 8.39

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5272.D Vial: 87
Acq On : 21 Feb 2003 9:08 Operator: CH
Sample : .,50ng-INJ-bna,02/21/03 Inst : MSD_C
Misc : N/A,N/A,N/A,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Multiple Level Calibration

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	0.00
2	T	N-Nitrosodimethylamine	0.640	0.668	-4.4	145	0.02
3	T	Pyridine	0.771	0.718	6.9	129	0.02
4	S	2-Fluorophenol	1.272	1.294	-1.7	143	0.00
5	T	Benzaldehyde	0.782	0.711	9.1	135	0.02
6	S	Phenol-d5	1.567	1.556	0.7	138	0.00
7	MC	Phenol	1.591	1.332	16.3	136	0.00
8	T	Aniline	0.684	0.610	10.8	125	0.00
9	T	bis(2-Chloroethyl)ether	0.829	0.796	4.0	136	0.00
10	M	2-Chlorophenol	1.249	1.315	-5.3	153	0.00
11	T	1,3-Dichlorobenzene	1.314	1.225	6.8	132	0.00
12	MC	1,4-Dichlorobenzene	1.267	1.432	-13.0	171	0.00
13	T	Benzyl alcohol	0.803	0.707	12.0	120	0.00
14	T	1,2-Dichlorobenzene	1.249	1.181	5.4	134	0.00
15	T	2-Methylphenol	1.173	1.142	2.6	143	0.00
16	T	bis(2-chloroisopropyl)ether	1.495	1.356	9.3	124	0.00
17	T	4-Methylphenol	1.228	1.158	5.7	134	0.00
18	MP	N-Nitroso-di-n-propylamine	0.794	0.828	-4.3	144	0.00
19	T	Acetophenone	1.586	1.517	4.4	139	-0.01
20	T	2-Aminotoluene +4-Aminotolu	1.981	1.911	3.5	137	0.00
21	T	Hexachloroethane	0.480	0.476	0.8	141	0.00
22		ISTD1X	0.000	0.000	0.0	0	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	143	0.00
24	S	Nitrobenzene-d5	0.334	0.308	7.8	136	0.00
25	T	Nitrobenzene	0.285	0.242	15.1	123	-0.01
26	T	Isophorone	0.539	0.497	7.8	133	-0.01
27	TC	2-Nitrophenol	0.161	0.151	6.2	147	-0.01
28	T	2,4-Dimethylphenol	0.302	0.302	0.0	150	0.00
29	T	bis(2-Chloroethoxy)methane	0.340	0.336	1.2	135	0.00
30	T	Benzoic acid	0.155	0.146	5.8	136	-0.02
31	T	2,4-Dimethylaniline	0.326	0.293	10.1	136	0.00
32	TC	2,4-Dichlorophenol	0.252	0.264	-4.8	160	0.00
33	M	1,2,4-Trichlorobenzene	0.239	0.234	2.1	144	0.00
34	T	Naphthalene	0.879	0.890	-1.3	136	0.00
35	T	4-Chloroaniline	0.485	0.466	3.9	139	-0.01
36	T	4-Aminoaniline	0.000	0.000	0.0	0	0.00
37	TC	Hexachlorobutadiene	0.121	0.124	-2.5	155	0.00
38	T	Caprolactam	0.111	0.093	16.2	122	-0.02
39		2-Aminoaniline	0.000	0.000	0.0	0	0.00
40	MC	4-Chloro-3-methylphenol	0.256	0.259	-1.2	147	0.00
41	T	2-Methylnaphthalene	0.592	0.541	8.6	140	-0.01
42		ISTD2x	0.000	0.000	0.0	0	0.00
43	I	Acenaphthene-d10	1.000	1.000	0.0	147	-0.01
44	TP	Hexachlorocyclopentadiene	0.270	0.224	17.0	149	-0.01
45	TC	2,4,6-Trichlorophenol	0.319	0.308	3.4	145	0.00

46	T	2,4,5-Trichlorophenol	0.324	0.297	8.3	154	0.00
47	S	2-Fluorobiphenyl	1.133	1.053	7.1	150	-0.01
48	T	1-1'-Biphenyl	1.307	1.114	14.8	130	-0.01
49	T	2-Chloronaphthalene	0.975	0.942	3.4	140	0.00
50	T	2-Nitroaniline	0.290	0.267	7.9	130	-0.01
51	T	Dimethylphthalate	1.000	0.865	13.5	130	-0.01
52	T	2,6-Dinitrotoluene	0.207	0.195	5.8	160	-0.01
53	T	Acenaphthylene	1.639	1.596	2.6	158	-0.01
54	T	3-Nitroaniline	0.250	0.230	8.0	145	-0.01
55	MC	Acenaphthene	1.017	0.923	9.2	131	-0.01
56	TP	2,4-Dinitrophenol	0.086	0.088	-2.3	170	-0.01
57	MP	4-Nitrophenol	0.194	0.171	11.9	125	-0.01
58	M	2,4-Dinitrotoluene	0.251	0.243	3.2	157	0.00
59	T	Dibenzofuran	1.405	1.316	6.3	144	-0.01
60	T	Diethylphthalate	0.986	0.951	3.5	150	-0.01
61	T	Fluorene	1.138	1.055	7.3	141	-0.02
62	T	4-Chlorophenyl-phenylether	0.502	0.481	4.2	161	-0.01
63	T	4-Nitroaniline	0.273	0.255	6.6	138	-0.01
64	t	1,2,4,5-Tetrachlorobenzene	0.481	0.465	3.3	149	0.00
65		ISTD3X	0.000	0.000	0.0	0	0.00
66	I	Phenanthrene-d10	1.000	1.000	0.0	156	-0.01
67	T	4,6-Dinitro-2-methylphenol	0.075	0.077	-2.7	197	-0.01
68	TC	N-Nitrosodiphenylamine	0.506	0.464	8.3	149	-0.01
69	T	1,2-Diphenylhydrazine/Azobe	0.772	0.660	14.5	132	-0.01
70	S	2,4,6-Tribromophenol	0.104	0.101	2.9	146	-0.01
71	T	4-Bromophenyl-phenylether	0.166	0.162	2.4	156	-0.01
72	T	Hexachlorobenzene	0.178	0.170	4.5	164	-0.01
73	T	Atrazine	0.133	0.109	18.0	132	-0.01
74	MC	Pentachlorophenol	0.104	0.099	4.8	160	-0.01
75	T	Phenanthrene	0.897	0.860	4.1	157	-0.01
76	T	Anthracene	0.924	0.849	8.1	143	-0.02
77	T	Carbazole	0.771	0.716	7.1	146	-0.02
78	T	Di-n-butylphthalate	1.017	0.959	5.7	150	-0.02
79	TC	Fluoranthene	0.754	0.694	8.0	145	-0.02
80	T	Benzidine	0.222	0.162	27.0	131	-0.02
81		ISTD4x	0.000	0.000	0.0	0	0.00
82	I	Chrysene-d12	1.000	1.000	0.0	140	-0.02
83	M	Pyrene	1.313	1.272	3.1	141	-0.02
84	S	Terphenyl-d14	0.902	0.957	-6.1	151	-0.02
85	T	3,3'-Dimethylbenzidine	0.716	0.576	19.6	105	-0.03
86	T	Butylbenzylphthalate	0.650	0.632	2.8	140	-0.02
87	T	3,3'-Dichlorobenzidine	0.286	0.279	2.4	147	-0.03
88	T	Benzo[a]anthracene	0.936	0.902	3.6	138	-0.02
89	T	Chrysene	0.897	0.859	4.2	139	-0.02
90	T	bis(2-Ethylhexyl)phthalate	0.854	0.857	-0.4	144	-0.02
91		ISTD5X	0.000	0.000	0.0	0	0.00
92	I	Perylene-d12	1.000	1.000	0.0	134	-0.04
93	TC	Di-n-octylphthalate	1.855	2.044	-10.2	139	-0.03
94	T	Benzo[b]fluoranthene	1.237	1.173	5.2	139	-0.04
95	T	Benzo[k]fluoranthene	1.125	1.189	-5.7	130	-0.03
96	TC	Benzo[a]pyrene	1.075	1.048	2.5	134	-0.04
97	T	Indeno[1,2,3-cd]pyrene	1.272	1.159	8.9	122	-0.09
98	T	Dibenz[a,h]anthracene	0.959	0.882	8.0	124	-0.09
99	T	Benzo[g,h,i]perylene	1.087	1.007	7.4	119	-0.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

C4993.D CS0203.M Fri Feb 21 09:23:37 2003 MSD_C

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/20/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
20ng_OLM04-inj-for_		B8273.D	N/A	N/A	N/A	N/A	N/A	N/A
Method-blk	AQUEOUS	B8274.D	64	69	88	91	86	124
DI-MS	AQUEOUS	B8275.D	59	69	87	105	92	126
DI-MSD	AQUEOUS	B8276.D	62	71	91	107	93	133
01248-001	AQUEOUS	B8277.D	N/A	N/A	96	99	N/A	132
Method-Blank	AQUEOUS	B8280.D	64	67	84	94	92	130
01249-001	AQUEOUS	B8282.D	N/A	N/A	70	105	N/A	105
01272-001	AQUEOUS	B8283.D	N/A	N/A	100	111	N/A	134
01272-002	AQUEOUS	B8284.D	N/A	N/A	88	97	N/A	134
01278-001	AQUEOUS	B8285.D	N/A	N/A	94	115	N/A	131
01235-010	AQUEOUS	B8286.D	73	79	83	91	105	131

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	43-108	37-108
S2 (PHL) = Phenol-d5	45-108	46-106
S3 (NBZ) = Nitrobenzene-d5	43-109	32-111
S4 (FBP) = 2-Fluorobiphenyl	52-116	36-136
S5 (TBP) = 2,4,6-Tribromophenol	46-131	53-141
S6 (TPH) = Terphenyl-d14	58-135	42-134

* Column to be used to flag recovery values

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/21/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
50ng-INJ-olmo4		C5273.D	N/A	N/A	N/A	N/A	N/A	N/A
Method-blk	SOIL	C5274.D	88	97	72	98	106	120
LCS	SOIL	C5275.D	74	82	81	96	104	118
01283-001	SOIL	C5276.D	72	77	82	115	91	102
01283-002	SOIL	C5277.D	63	63	82	103	78	109
01283-003	SOIL	C5278.D	70	93	83	111	93	97
01283-004	SOIL	C5279.D	71	86	82	112	83	101
01283-005	SOIL	C5280.D	66	71	83	105	93	88
01283-006	SOIL	C5281.D	66	86	83	113	77	101
01283-007	SOIL	C5282.D	78	86	74	94	91	98
01283-008	SOIL	C5283.D	72	87	81	109	86	103
01283-009	SOIL	C5284.D	67	72	84	111	88	102
01235-001	SOIL	C5285.D	77	88	69	102	81	95
01235-002	SOIL	C5286.D	67	89	71	103	83	110
01235-003	SOIL	C5287.D	74	75	74	93	70	102
01235-004	SOIL	C5288.D	71	86	70	110	79	108
01235-005	SOIL	C5289.D	62	84	69	91	95	106
01235-006	SOIL	C5290.D	74	75	70	99	78	116
01235-007	SOIL	C5291.D	73	87	72	113	87	101
01235-008	SOIL	C5292.D	78	84	72	97	89	101
01235-009	SOIL	C5293.D	77	81	77	101	82	111
01148-007	SOIL	C5294.D	N/A	N/A	74	106	N/A	103

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	34-111	37-108
S2 (PHL) = Phenol-d5	45-108	46-106
S3 (NBZ) = Nitrobenzene-d5	43-109	32-111
S4 (FBP) = 2-Fluorobiphenyl	52-116	36-136
S5 (TBP) = 2,4,6-Tribromophenol	46-131	53-141
S6 (TPH) = Terphenyl-d14	58-135	42-134

* Column to be used to flag recovery values

FORM II SV

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/21/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
01235-005	SOIL	C5295.D	57	66	72	96	69	102
MS(01235-009)	SOIL	C5296.D	77	81	69	103	88	119
MSD(01235-009)	SOIL	C5297.D	80	83	76	105	86	116
Method-blk	SOIL	C5298.D	84	84	76	117	79	120
LCS	SOIL	C5299.D	64	77	86	110	88	102
MS(01193-004)	SOIL	C5300.D	71	76	71	108	86	119
MSD(01193-004)	SOIL	C5301.D	58	74	70	98	85	108
01193-004	SOIL	C5302.D	N/A	N/A	83	105	N/A	114
01181-014	SOIL	C5303.D	N/A	N/A	78	113	N/A	101
01181-003	SOIL	C5304.D	N/A	N/A	80	110	N/A	109
01181-012	SOIL	C5305.D	N/A	N/A	108	99	N/A	87

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	34-111	37-108
S2 (PHL) = Phenol-d5	45-108	46-106
S3 (NBZ) = Nitrobenzene-d5	43-109	32-111
S4 (FBP) = 2-Fluorobiphenyl	52-116	36-136
S5 (TBP) = 2,4,6-Tribromophenol	46-131	53-141
S6 (TPH) = Terphenyl-d14	58-135	42-134

* Column to be used to flag recovery values

AQUEOUS SEMIVOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: Method-bl Batch No.: B021902W

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	30.0	0.0	20.1	67	44 - 91
2-Chlorophenol	30.0	0.0	19.8	66	47 - 90
1,4-Dichlorobenzene	30.0	0.0	21.3	71	43 - 91
N-Nitroso-di-n-propylamine	30.0	0.0	22.6	75	53 - 99
1,2,4-Trichlorobenzene	30.0	0.0	19.5	65	45 - 87
4-Chloro-3-methylphenol	30.0	0.0	22.5	75	51 - 103
Acenaphthene	30.0	0.0	21.2	71	54 - 111
4-Nitrophenol	30.0	0.0	21.5	72	49 - 114
2,4-Dinitrotoluene	30.0	0.0	22.4	75	49 - 124
Pentachlorophenol	30.0	0.0	24.2	81	40 - 105
Pyrene	30.0	0.0	26.3	88	46 - 129

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	20.6	69	3	10	44 - 91
2-Chlorophenol	0.0	19.7	66	0	8	47 - 90
1,4-Dichlorobenzene	0.0	21.0	70	1	9	43 - 91
N-Nitroso-di-n-propylamine	0.0	22.4	75	0	9	53 - 99
1,2,4-Trichlorobenzene	0.0	19.9	66	2	8	45 - 87
4-Chloro-3-methylphenol	0.0	22.8	76	1	9	51 - 103
Acenaphthene	0.0	22.0	73	3	11	54 - 111
4-Nitrophenol	0.0	21.6	72	0	14	49 - 114
2,4-Dinitrotoluene	0.0	23.7	79	5	20	49 - 124
Pentachlorophenol	0.0	25.2	84	4	16	40 - 105
Pyrene	0.0	27.4	91	3	13	46 - 129

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __11__ outside limits

Spike Recovery: __0___ out of __22__ outside limits

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/19/2003
Date Analyzed: 02/20/2003
Data file: B8274.D

GC/MS Column: DB-5
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
N-Nitrosodimethylamine	30.0	0.0	22.7	76	0.0	23.1	77
Benzaldehyde	30.0	0.0	33.5	112	0.0	30.2	101
Phenol	30.0	0.0	20.1	67	0.0	20.6	69
Aniline	30.0	0.0	18.9	63	0.0	18.9	63
bis(2-Chloroethyl)ether	30.0	0.0	20.7	69	0.0	20.5	68
2-Chlorophenol	30.0	0.0	19.8	66	0.0	19.7	66
1,3-Dichlorobenzene	30.0	0.0	17.6	59	0.0	18.0	60
1,4-Dichlorobenzene	30.0	0.0	21.3	71	0.0	21.0	70
Benzyl alcohol	30.0	0.0	21.7	72	0.0	23.1	77
1,2-Dichlorobenzene	30.0	0.0	19.7	66	0.0	20.0	67
2-Methylphenol	30.0	0.0	18.5	62	0.0	18.8	63
bis(2-chloroisopropyl)ether	30.0	0.0	21.1	70	0.0	21.3	71
4-Methylphenol	30.0	0.0	21.0	70	0.0	20.9	70
N-Nitroso-di-n-propylamine	30.0	0.0	22.6	75	0.0	22.4	75
Acetophenone	30.0	0.0	20.5	68	0.0	20.3	68
2-Aminotoluene +4-Aminotoluene	60.0	0.0	37.4	62	0.0	39.0	65
Hexachloroethane	30.0	0.0	18.1	60	0.0	19.3	64
Nitrobenzene	30.0	0.0	20.6	69	0.0	21.3	71
Isophorone	30.0	0.0	22.4	75	0.0	22.3	74
2-Nitrophenol	30.0	0.0	20.4	68	0.0	21.3	71
2,4-Dimethylphenol	30.0	0.0	20.0	67	0.0	20.6	69
bis(2-Chloroethoxy)methane	30.0	0.0	20.9	70	0.0	20.9	70
Benzoic acid	30.0	0.0	19.0	63	0.0	20.6	69
2,4-Dimethylaniline	30.0	0.0	19.9	66	0.0	20.3	68
2,4-Dichlorophenol	30.0	0.0	20.8	69	0.0	21.3	71
1,2,4-Trichlorobenzene	30.0	0.0	19.5	65	0.0	19.9	66
Naphthalene	30.0	0.0	19.2	64	0.0	20.4	68
4-Chloroaniline	30.0	0.0	19.7	66	0.0	20.4	68
Hexachlorobutadiene	30.0	0.0	18.8	63	0.0	18.8	63
Caprolactam	30.0	0.0	23.2	77	0.0	24.7	82
4-Chloro-3-methylphenol	30.0	0.0	22.5	75	0.0	22.8	76
2-Methylnaphthalene	30.0	0.0	19.2	64	0.0	19.9	66
Hexachlorocyclopentadiene	30.0	0.0	13.2	44	0.0	14.4	48
2,4,6-Trichlorophenol	30.0	0.0	22.2	74	0.0	22.5	75
2,4,5-Trichlorophenol	30.0	0.0	21.1	70	0.0	21.4	71
1-1'-Biphenyl	30.0	0.0	22.4	75	0.0	22.6	75
2-Chloronaphthalene	30.0	0.0	20.8	69	0.0	21.7	72
2-Nitroaniline	30.0	0.0	21.5	72	0.0	22.4	75
Dimethylphthalate	30.0	0.0	23.4	78	0.0	24.3	81

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/19/2003
Date Analyzed: 02/20/2003
Data file: B8274.D

GC/MS Column: DB-5
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
2,6-Dinitrotoluene	30.0	0.0	22.7	76	0.0	23.4	78
Acenaphthylene	30.0	0.0	21.6	72	0.0	22.0	73
3-Nitroaniline	30.0	0.0	20.6	69	0.0	21.8	73
Acenaphthene	30.0	0.0	21.2	71	0.0	22.0	73
2,4-Dinitrophenol	30.0	0.0	23.7	79	0.0	24.4	81
4-Nitrophenol	30.0	0.0	21.5	72	0.0	21.6	72
2,4-Dinitrotoluene	30.0	0.0	22.4	75	0.0	23.7	79
Dibenzofuran	30.0	0.0	21.8	73	0.0	21.9	73
Diethylphthalate	30.0	0.0	23.4	78	0.0	24.6	82
Fluorene	30.0	0.0	22.7	76	0.0	22.4	75
4-Chlorophenyl-phenylether	30.0	0.0	22.0	73	0.0	23.1	77
4-Nitroaniline	30.0	0.0	21.2	71	0.0	22.7	76
4,6-Dinitro-2-methylphenol	30.0	0.0	25.2	84	0.0	26.1	87
N-Nitrosodiphenylamine	30.0	0.0	28.0	93	0.0	28.4	95
1,2-Diphenylhydrazine/Azobenzene	30.0	0.0	24.1	80	0.0	24.1	80
4-Bromophenyl-phenylether	30.0	0.0	25.4	85	0.0	24.7	82
Hexachlorobenzene	30.0	0.0	25.5	85	0.0	25.4	85
Atrazine	30.0	0.0	20.9	70	0.0	20.7	69
Pentachlorophenol	30.0	0.0	24.2	81	0.0	25.2	84
Phenanthrene	30.0	0.0	24.1	80	0.0	24.7	82
Anthracene	30.0	0.0	24.3	81	0.0	24.4	81
Carbazole	30.0	0.0	24.6	82	0.0	25.6	85
Di-n-butylphthalate	30.0	0.0	25.7	86	0.0	26.8	89
Fluoranthene	30.0	0.0	24.4	81	0.0	25.5	85
Benzidine	30.0	0.0	12.5	42	0.0	11.5	38
Pyrene	30.0	0.0	26.3	88	0.0	27.4	91
3,3'-Dimethylbenzidine	30.0	0.0	6.5	22	0.0	6.1	20
Butylbenzylphthalate	30.0	0.0	26.3	88	0.0	27.3	91
3,3'-Dichlorobenzidine	30.0	0.0	27.7	92	0.0	28.6	95
Benzo[a]anthracene	30.0	0.0	25.8	86	0.0	26.1	87
Chrysene	30.0	0.0	25.8	86	0.0	26.1	87
bis(2-Ethylhexyl)phthalate	30.0	0.0	27.2	91	0.0	27.7	92
Di-n-octylphthalate	30.0	0.0	25.6	85	0.0	27.0	90
Benzo[b]fluoranthene	30.0	0.0	27.0	90	0.0	25.7	86
Benzo[k]fluoranthene	30.0	0.0	27.1	90	0.0	28.8	96
Benzo[a]pyrene	30.0	0.0	27.1	90	0.0	27.8	93
Indeno[1,2,3-cd]pyrene	30.0	0.0	31.9	106	0.0	30.9	103
Dibenz[a,h]anthracene	30.0	0.0	33.9	113	0.0	32.3	108
Benzo[g,h,i]perylene	30.0	0.0	30.6	102	0.0	29.0	97

SOIL SEMIVOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01235-009 Batch No.: C022103S

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	100.0	0.0	69.4	69	40 - 89
2-Chlorophenol	100.0	0.0	69.9	70	44 - 88
1,4-Dichlorobenzene	50.0	0.0	37.4	75	41 - 89
N-Nitroso-di-n-propylamine	50.0	0.0	42.1	84	36 - 98
1,2,4-Trichlorobenzene	50.0	0.0	36.2	72	40 - 93
4-Chloro-3-methylphenol	100.0	0.0	76.9	77	45 - 98
Acenaphthene	50.0	0.0	47.0	94	49 - 112
4-Nitrophenol	100.0	0.0	71.2	71	28 - 106
2,4-Dinitrotoluene	50.0	0.0	39.9	80	24 - 102
Pentachlorophenol	100.0	0.0	74.7	75	55 - 120
Pyrene	50.0	0.0	50.2	100	50 - 127

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	75.5		76	10		16	40 - 89
2-Chlorophenol	0.0	69.7		70	0		17	44 - 88
1,4-Dichlorobenzene	0.0	36.9		74	1		18	41 - 89
N-Nitroso-di-n-propylamine	0.0	42.3		85	1		21	36 - 98
1,2,4-Trichlorobenzene	0.0	37.5		75	4		19	40 - 93
4-Chloro-3-methylphenol	0.0	81.5		82	6		19	45 - 98
Acenaphthene	0.0	47.1		94	0		21	49 - 112
4-Nitrophenol	0.0	68.0		68	4		22	28 - 106
2,4-Dinitrotoluene	0.0	37.8		76	5		23	24 - 102
Pentachlorophenol	0.0	71.1		71	5		21	55 - 120
Pyrene	0.0	47.1		94	6		21	50 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __11__ outside limits

Spike Recovery: __0___ out of __22__ outside limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:26

	40UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	59380		2.39		239438		2.93		120833		3.69	
	UPPER LIMIT	118760		2.89		478876		3.43		241666		4.19	
	LOWER LIMIT	29690		1.89		119719		2.43		60417		3.19	
	LAB SAMPLE ID												
01	50ng_BNA-inj-for_02/	49860		2.39		192099		2.93		102403		3.69	
02	80ng_BNA-inj-for_02/	57705		2.39		232733		2.93		122424		3.69	
03	10ng_BNA-inj-for_02/	55687		2.39		224929		2.93		124271		3.69	
04	5ng_BNA-inj-for_02/1	54798		2.39		231648		2.93		128667		3.69	
05	20ng_OLM04-inj-for_0	54848		2.39		234447		2.93		128565		3.69	
06	50ng_OLM04-inj-for_0	56849		2.39		240974		2.93		129777		3.69	
07	80ng_OLM04-inj-for_0	60118		2.39		253598		2.93		135327		3.69	
08	10ng_OLM04-inj-for_0	54534		2.39		240325		2.93		131995		3.69	
09	5ng_OLM04-inj-for_02	60271		2.39		268823		2.93		143970		3.69	
10	Method-blk	64999		2.39		261671		2.93		135260		3.69	
11	DI-MS	68346		2.39		253831		2.93		132659		3.69	
12	DI-MSD	66835		2.39		257286		2.93		132970		3.69	
13	01180-001	67147		2.39		271280		2.93		140783		3.69	
14	01180-002	59930		2.39		245423		2.93		126572		3.69	
15	01180-003	72278		2.39		293727		2.93		150142		3.69	
16	01180-004	69765		2.39		277099		2.93		127202		3.68	
17	01186-006	69084		2.39		288410		2.93		149680		3.69	
18	01187-001	63294		2.39		254935		2.93		130603		3.69	
19	01188-001	64470		2.39		270475		2.93		133321		3.69	
20	01189-001	64188		2.39		254135		2.93		125675		3.69	
21	01185-001	45376		2.39		190731		2.93		95598		3.69	
22	Method-Blank	62652		2.39		263092		2.93		139591		3.69	

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:26

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	227908	4.34	154048	6.14	88529	7.44
	UPPER LIMIT	455816	4.84	308096	6.64	177058	7.94
	LOWER LIMIT	113954	3.84	77024	5.64	44265	6.94
	LAB SAMPLE ID						
01	50ng_BNA-inj-for_02/	190403	4.34	128401	6.14	68297	7.42
02	80ng_BNA-inj-for_02/	208086	4.34	140062	6.14	73209	7.43
03	10ng_BNA-inj-for_02/	242604	4.34	172528	6.14	103489	7.42
04	5ng_BNA-inj-for_02/1	246815	4.34	180777	6.13	107483	7.43
05	20ng_OLM04-inj-for_0	234412	4.34	170574	6.13	97952	7.44
06	50ng_OLM04-inj-for_0	230976	4.34	160113	6.14	94366	7.42
07	80ng_OLM04-inj-for_0	239434	4.34	164600	6.13	95483	7.43
08	10ng_OLM04-inj-for_0	238348	4.34	177235	6.13	100039	7.43
09	5ng_OLM04-inj-for_02	263007	4.34	182980	6.14	100613	7.42
10	Method-blk	245331	4.35	169496	6.14	95970	7.44
11	DI-MS	233091	4.34	143886	6.13	76808	7.43
12	DI-MSD	237589	4.34	146181	6.14	76782	7.42
13	01180-001	229481	4.34	132591	6.13	79253	7.43
14	01180-002	223380	4.34	141122	6.13	82763	7.42
15	01180-003	252813	4.34	147681	6.14	79214	7.42
16	01180-004	214805	4.34	149712	6.14	82514	7.42
17	01186-006	249380	4.34	158055	6.13	82939	7.42
18	01187-001	218883	4.34	145484	6.13	78242	7.43
19	01188-001	229371	4.34	151218	6.13	81021	7.42
20	01189-001	206706	4.34	131559	6.12	73268	7.44
21	01185-001	164232	4.34	124453	6.13	71812	7.42
22	Method-Blank	230145	4.34	148620	6.13	79343	7.43

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D Date Analyzed: 02/18/2003

Instrument ID: MSDB Time Analyzed: 08:26

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	59380	2.39	239438	2.93	120833	3.69
	UPPER LIMIT	118760	2.89	478876	3.43	241666	4.19
	LOWER LIMIT	29690	1.89	119719	2.43	60417	3.19
	LAB SAMPLE ID						
01	di-ms	68201	2.39	257609	2.93	134033	3.69
02	di-msd	65614	2.39	258005	2.93	130347	3.69
03	01201-001	70057	2.39	286520	2.93	148450	3.69
04	01201-002	70385	2.39	289014	2.93	149890	3.69
05	01207-001	69670	2.39	277347	2.93	143823	3.69
06	01207-002	67597	2.39	279324	2.93	146991	3.69
07	01229-004	66222	2.39	254678	2.93	123852	3.69
08	01229-007	68651	2.39	269717	2.93	139732	3.69
09	01229-015	68784	2.39	263409	2.93	119730	3.69
10	01199-001	68530	2.39	279967	2.93	131093	3.69
11	01202-001	69831	2.39	294665	2.93	149380	3.69
12	01202-002	62419	2.39	264803	2.93	141475	3.69
13	01202-003	67107	2.39	277836	2.93	143698	3.69
14	01204-001	55297	2.39	226071	2.93	105098	3.70
15	01238-001	69075	2.39	286505	2.93	146652	3.69
16	01238-002	56101	2.39	217635	2.93	107268	3.70
17	01238-003	65204	2.39	273080	2.93	129292	3.69
18	01238-004	61097	2.39	257407	2.93	122608	3.69
19	01238-005	61335	2.39	249440	2.93	128752	3.69
20	01247-001	49014	2.39	199887	2.93	94985	3.70
21	01224-001	68584	2.39	280555	2.93	143486	3.69
22	01224-001	66939	2.39	279404	2.93	146159	3.69

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:26

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	227908	4.34	154048	6.14	88529	7.44
	UPPER LIMIT	455816	4.84	308096	6.64	177058	7.94
	LOWER LIMIT	113954	3.84	77024	5.64	44265	6.94
	LAB SAMPLE ID						
01	di-ms	231410	4.34	135975	6.14	72100	7.42
02	di-msd	221569	4.34	135505	6.14	71789	7.42
03	01201-001	244256	4.34	156670	6.12	82602	7.44
04	01201-002	246764	4.34	157811	6.14	82135	7.42
05	01207-001	238209	4.34	149937	6.14	80498	7.42
06	01207-002	236836	4.34	148945	6.13	78800	7.42
07	01229-004	201506	4.34	117828	6.13	67815	7.43
08	01229-007	226413	4.34	137721	6.13	74449	7.42
09	01229-015	191813	4.34	119611	6.13	68792	7.43
10	01199-001	212584	4.34	138482	6.14	77582	7.42
11	01202-001	246611	4.34	150250	6.14	80050	7.42
12	01202-002	224154	4.34	139859	6.13	76012	7.42
13	01202-003	231860	4.34	144095	6.13	76183	7.42
14	01204-001	162248	4.35	90031	6.14	63149	7.42
15	01238-001	232595	4.34	143282	6.13	74376	7.42
16	01238-002	171987	4.35	97195	6.14	65612	7.42
17	01238-003	194947	4.34	111437	6.13	67763	7.42
18	01238-004	190340	4.34	111319	6.13	66118	7.42
19	01238-005	202774	4.34	120761	6.13	67423	7.42
20	01247-001	140067	4.35	76631*	6.14	57189	7.42
21	01224-001	234772	4.34	142696	6.14	76633	7.42
22	01224-001	231634	4.34	135182	6.13	72683	7.42

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:26

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	59380	2.39	239438	2.93	120833	3.69
	UPPER LIMIT	118760	2.89	478876	3.43	241666	4.19
	LOWER LIMIT	29690	1.89	119719	2.43	60417	3.19
	LAB SAMPLE ID						
01	01229-004	58486	2.39	237594	2.93	122080	3.69
02	01199-001	63233	2.39	255327	2.93	122882	3.69
03	01204-001	58812	2.39	225464	2.93	116485	3.69
04	01238-002	60046	2.39	235834	2.93	123540	3.69
05	01247-001	58975	2.39	225993	2.93	114221	3.69
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20							
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22							

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:26

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	227908	4.34	154048	6.14	88529	7.44
	UPPER LIMIT	455816	4.84	308096	6.64	177058	7.94
	LOWER LIMIT	113954	3.84	77024	5.64	44265	6.94
	LAB SAMPLE ID						
01	01229-004	207214	4.35	143981	6.14	81416	7.44
02	01199-001	204476	4.34	134267	6.13	76379	7.43
03	01204-001	173908	4.35	110622	6.14	73644	7.42
04	01238-002	177521	4.34	124925	6.13	77124	7.42
05	01247-001	168094	4.34	109131	6.13	71339	7.43
06							
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19							
20							
21							
22							

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8272.D

Date Analyzed: 02/20/2003

Instrument ID: MSDB

Time Analyzed: 09:12

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	24 HOUR STD	67562	2.39	265274	2.93	133439	3.69
	UPPER LIMIT	135124	2.89	530548	3.43	266878	4.19
	LOWER LIMIT	33781	1.89	132637	2.43	66720	3.19
	LAB SAMPLE ID						
01	20ng_OLM04-inj-for_0	63292	2.39	273392	2.93	151124	3.69
02	Method-blk	65824	2.39	271477	2.93	150733	3.69
03	DI-MS	68623	2.39	271324	2.93	141885	3.69
04	DI-MSD	73048	2.39	288131	2.93	152716	3.69
05	01248-001	53644	2.39	217073	2.93	117053	3.69
06	01249-001	28572*	2.40	96887*	2.96	85650	3.74
07	01249-001	38037	2.39	150175	2.93	71051	3.70
08	Method-Blank	75190	2.39	314634	2.93	167010	3.69
09	01249-001	48972	2.39	191002	2.93	91192	3.69
10	01249-001	49231	2.39	191377	2.93	92296	3.69
11	01272-001	56427	2.39	223114	2.93	114052	3.69
12	01272-002	57633	2.39	236424	2.93	123922	3.69
13	01278-001	57442	2.39	206172	2.93	93079	3.69
14	01235-010	56480	2.39	232181	2.93	127795	3.69
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8272.D

Date Analyzed: 02/20/2003

Instrument ID: MSDB

Time Analyzed: 09:12

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	24 HOUR STD	227279	4.34	124225	6.13	70451	7.42
	UPPER LIMIT	454558	4.84	248450	6.63	140902	7.92
	LOWER LIMIT	113640	3.84	62113	5.63	35226	6.92
	LAB SAMPLE ID						
01	20ng_OLM04-inj-for_0	246834	4.34	149398	6.13	80092	7.42
02	Method-blk	247336	4.34	155074	6.13	82387	7.42
03	DI-MS	231745	4.34	134981	6.12	73906	7.43
04	DI-MSD	257975	4.34	151698	6.14	78868	7.42
05	01248-001	185355	4.34	109972	6.13	68369	7.42
06	01249-001	86625*	4.40	59609*	6.15	53635	7.43
07	01249-001	104468*	4.35	59341*	6.14	58258	7.42
08	Method-Blank	271046	4.34	157009	6.13	82573	7.42
09	01249-001	136165	4.34	82957	6.11	69243	7.44
10	01249-001	133422	4.34	83619	6.13	67505	7.42
11	01272-001	160505	4.34	93323	6.13	68232	7.42
12	01272-002	198207	4.34	111811	6.13	74414	7.42
13	01278-001	127047	4.34	72517	6.13	64573	7.42
14	01235-010	204786	4.34	122192	6.13	75278	7.42
15							
16							
17							
18							
19							
20							
21							
22							

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	112737	2.34	458429	2.87	243155	3.63
	UPPER LIMIT	225474	2.84	916858	3.37	486310	4.13
	LOWER LIMIT	56369	1.84	229215	2.37	121578	3.13
	LAB SAMPLE ID						
01	50ng-INJ-BNA	111280	2.34	453652	2.87	232973	3.62
02	120ng-INJ-BNA	104959	2.34	436253	2.87	223926	3.62
03	160ng-INJ-BNA	104263	2.34	419261	2.88	198040	3.62
04	20ng-INJ-BNA	115476	2.34	480904	2.87	252458	3.62
05	160ng-INJ-OLMO4	105174	2.34	396868	2.87	219005	3.62
06	120ng-INJ-OLMO4	109888	2.34	402620	2.87	215487	3.62
07	50ng-INJ-OLMO4	92799	2.34	362388	2.87	197842	3.62
08	20ng-INJ-OLMO4	104095	2.34	386839	2.87	214205	3.62
09	80ng-INJ-OLMO4	103357	2.34	396456	2.87	225652	3.62
10	Method-blk	115555	2.34	430406	2.87	243501	3.62
11	LCS	111192	2.34	463247	2.87	230402	3.62
12	MS(00806-002)	115029	2.34	431578	2.87	247052	3.62
13	MSD(00806-002)	114167	2.34	426205	2.87	237112	3.62
14	00806-002	113226	2.34	424898	2.87	223378	3.62
15	00806-003	111359	2.34	444637	2.87	234232	3.62
16	00806-004	106320	2.34	396453	2.87	215178	3.62
17	00806-005	105006	2.34	399668	2.87	214194	3.62
18	00806-009	107113	2.34	423262	2.87	212703	3.62
19	00806-010	107632	2.34	392927	2.87	208812	3.62
20	00806-011	113156	2.34	414757	2.87	196512	3.62
21	00806-012	127828	2.34	464432	2.87	218990	3.62
22	00806-013	118523	2.34	451733	2.87	211733	3.62

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	369750	4.27	206616	6.05	151627	7.32
	UPPER LIMIT	739500	4.77	413232	6.55	303254	7.82
	LOWER LIMIT	184875	3.77	103308	5.55	75814	6.82
	LAB SAMPLE ID						
01	50ng-INJ-BNA	342690	4.27	208960	6.04	142023	7.31
02	120ng-INJ-BNA	329187	4.27	175612	6.04	147783	7.31
03	160ng-INJ-BNA	300301	4.27	184558	6.04	145891	7.32
04	20ng-INJ-BNA	403082	4.27	242388	6.04	149416	7.31
05	160ng-INJ-OLMO4	352796	4.27	209485	6.04	133620	7.30
06	120ng-INJ-OLMO4	365847	4.27	216905	6.04	139022	7.30
07	50ng-INJ-OLMO4	352728	4.27	227818	6.04	140625	7.30
08	20ng-INJ-OLMO4	360191	4.27	207590	6.04	129085	7.30
09	80ng-INJ-OLMO4	367006	4.27	218818	6.04	136788	7.31
10	Method-blk	407393	4.27	230358	6.04	152885	7.31
11	LCS	367300	4.27	228498	6.04	146603	7.31
12	MS(00806-002)	422566	4.27	235263	6.04	151598	7.30
13	MSD(00806-002)	408498	4.27	223764	6.03	147364	7.30
14	00806-002	394488	4.27	226251	6.03	148005	7.30
15	00806-003	353157	4.27	185443	6.03	163396	7.31
16	00806-004	342536	4.27	210219	6.04	184047	7.31
17	00806-005	323109	4.27	195580	6.03	174285	7.30
18	00806-009	319358	4.27	264785	6.06	205369	7.36
19	00806-010	316783	4.27	259309	6.05	227052	7.34
20	00806-011	278944	4.27	207743	6.04	177897	7.31
21	00806-012	295287	4.27	231338	6.04	197365	7.32
22	00806-013	297284	4.27	216804	6.04	187870	7.31

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	112737	2.34	458429	2.87	243155	3.63
	UPPER LIMIT	225474	2.84	916858	3.37	486310	4.13
	LOWER LIMIT	56369	1.84	229215	2.37	121578	3.13
	LAB SAMPLE ID						
01	00806-030	120428	2.34	428884	2.87	201344	3.62
02	00806-031	106424	2.34	401696	2.87	200787	3.62
03	00806-032	114898	2.34	427161	2.87	204133	3.62
04	00806-035	113324	2.34	417737	2.87	208505	3.62
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IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	369750	4.27	206616	6.05	151627	7.32
	UPPER LIMIT	739500	4.77	413232	6.55	303254	7.82
	LOWER LIMIT	184875	3.77	103308	5.55	75814	6.82
	LAB SAMPLE ID						
01	00806-030	286554	4.27	241981	6.04	203973	7.33
02	00806-031	282983	4.27	216337	6.03	184080	7.31
03	00806-032	283515	4.27	221518	6.04	188842	7.32
04	00806-035	301398	4.27	232538	6.03	194612	7.32
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IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5272.D

Date Analyzed: 02/21/2003

Instrument ID: MSDC

Time Analyzed: 09:08

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	156673	2.34	648831	2.87	342505	3.62
	UPPER LIMIT	313346	2.84	1297662	3.37	685010	4.12
	LOWER LIMIT	78337	1.84	324416	2.37	171253	3.12
	LAB SAMPLE ID						
01	50ng-INJ-olmo4	136261	2.33	549757	2.86	280811	3.61
02	Method-blk	157284	2.33	669635	2.87	341262	3.62
03	LCS	192557	2.34	739352	2.87	360255	3.62
04	01283-001	153974	2.33	605683	2.87	280378	3.61
05	01283-002	212525	2.34	787283	2.87	357668	3.61
06	01283-003	155505	2.33	608236	2.87	277773	3.61
07	01283-004	175184	2.34	693925	2.87	309860	3.61
08	01283-005	146156	2.33	543186	2.86	255657	3.61
09	01283-006	160398	2.34	624679	2.87	284001	3.61
10	01283-007	146557	2.33	653241	2.87	299472	3.62
11	01283-008	157687	2.33	622331	2.86	297205	3.61
12	01283-009	184393	2.34	687173	2.87	304864	3.61
13	01235-001	149825	2.33	594701	2.87	272536	3.61
14	01235-002	162395	2.33	638891	2.87	290005	3.61
15	01235-003	144329	2.33	548902	2.86	273346	3.61
16	01235-004	171478	2.33	680126	2.87	308655	3.61
17	01235-005	172179	2.34	677968	2.87	335454	3.62
18	01235-006	180018	2.34	666723	2.87	292764	3.61
19	01235-007	158928	2.33	626468	2.87	282587	3.61
20	01235-008	159495	2.33	587225	2.86	279838	3.61
21	01235-009	145273	2.33	550521	2.86	254589	3.61
22	01148-007	158794	2.33	616587	2.87	280359	3.61

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5272.D

Date Analyzed: 02/21/2003

Instrument ID: MSDC

Time Analyzed: 09:08

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	534715	4.26	292132	6.03	189703	7.28
	UPPER LIMIT	1069430	4.76	584264	6.53	379406	7.78
	LOWER LIMIT	267358	3.76	146066	5.53	94852	6.78
	LAB SAMPLE ID						
01	50ng-INJ-olmo4	465401	4.25	248410	6.02	151470	7.28
02	Method-blk	566792	4.25	331260	6.02	223600	7.28
03	LCS	540824	4.25	292491	6.02	197627	7.28
04	01283-001	412241	4.25	239019	6.02	214521	7.30
05	01283-002	528029	4.25	240401	6.02	185441	7.28
06	01283-003	387210	4.25	227189	6.03	202188	7.29
07	01283-004	441155	4.25	225954	6.02	198860	7.28
08	01283-005	383034	4.25	245514	6.03	223443	7.29
09	01283-006	405056	4.25	214311	6.02	196275	7.28
10	01283-007	411112	4.26	220607	6.02	195672	7.28
11	01283-008	425735	4.25	223110	6.02	197395	7.28
12	01283-009	416836	4.25	215896	6.02	197362	7.28
13	01235-001	403105	4.25	233707	6.02	223283	7.28
14	01235-002	407753	4.25	219967	6.02	208235	7.27
15	01235-003	391260	4.25	215961	6.02	194444	7.27
16	01235-004	449409	4.25	239314	6.02	214176	7.28
17	01235-005	427179	4.26	245263	6.02	222359	7.28
18	01235-006	389553	4.25	197365	6.02	183818	7.27
19	01235-007	398272	4.25	247506	6.02	227271	7.29
20	01235-008	392080	4.25	220769	6.02	207394	7.28
21	01235-009	356761	4.25	196958	6.01	181083	7.28
22	01148-007	377589	4.25	208712	6.02	190694	7.27

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5272.D

Date Analyzed: 02/21/2003

Instrument ID: MSDC

Time Analyzed: 09:08

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	156673	2.34	648831	2.87	342505	3.62
	UPPER LIMIT	313346	2.84	1297662	3.37	685010	4.12
	LOWER LIMIT	78337	1.84	324416	2.37	171253	3.12
	LAB SAMPLE ID						
01	01235-005	194910	2.34	736270	2.87	328614	3.62
02	MS(01235-009)	149477	2.33	597144	2.87	274399	3.61
03	MSD(01235-009)	146454	2.33	561517	2.86	270176	3.61
04	Method-blk	184028	2.34	685948	2.87	283519	3.61
05	LCS	188123	2.34	699534	2.87	305966	3.61
06	MS(01193-004)	167649	2.33	647996	2.87	288295	3.61
07	MSD(01193-004)	158418	2.33	609743	2.86	295862	3.61
08	01193-004	154730	2.33	566693	2.86	277218	3.61
09	01181-014	171011	2.33	624349	2.86	278657	3.61
10	01181-003	144600	2.33	522322	2.86	231808	3.61
11	01181-012	144531	2.33	482429	2.86	230357	3.61
12							
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IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5272.D

Date Analyzed: 02/21/2003

Instrument ID: MSDC

Time Analyzed: 09:08

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	534715	4.26	292132	6.03	189703	7.28
	UPPER LIMIT	1069430	4.76	584264	6.53	379406	7.78
	LOWER LIMIT	267358	3.76	146066	5.53	94852	6.78
	LAB SAMPLE ID						
01	01235-005	412084	4.25	223611	6.02	207237	7.27
02	MS(01235-009)	399296	4.25	207361	6.02	185670	7.28
03	MSD(01235-009)	392640	4.25	198385	6.02	179347	7.27
04	Method-blk	386594	4.25	196447	6.02	177082	7.27
05	LCS	411613	4.25	225088	6.02	208613	7.28
06	MS(01193-004)	410407	4.25	213893	6.02	189717	7.27
07	MSD(01193-004)	445224	4.25	239644	6.02	215377	7.27
08	01193-004	383747	4.25	220585	6.02	199836	7.27
09	01181-014	380872	4.25	254598	6.02	241219	7.28
10	01181-003	385840	4.26	274468	6.04	229246	7.31
11	01181-012	369161	4.26	319560	6.05	269026	7.35
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IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D Vial: 37
Acq On : 21 Feb 2003 13:34 Operator: CH
Sample : SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 13:44:31 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	149825	40.00 UG	0.00
23) Naphthalene-d8	2.87	136	594701	40.00 UG	0.00
43) Acenaphthene-d10	3.61	164	272536	40.00 UG	-0.02
66) Phenanthrene-d10	4.25	188	403105	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	233707	40.00 UG	-0.03
92) Perylene-d12	7.28	264	223283	40.00 UG	-0.04
System Monitoring Compounds					
4) 2-Fluorophenol	1.83	112	368321	77.33 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 77.33%		
6) Phenol-d5	2.17	99	519200	88.46 UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 88.46%		
24) Nitrobenzene-d5	2.56	82	172395	34.73 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 69.46%		
47) 2-Fluorobiphenyl	3.31	172	393103	50.90 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 101.80%		
70) 2,4,6-Tribromophenol	3.96	330	84799	80.63 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 80.63%		
84) Terphenyl-d14	5.13	244	251591	47.72 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 95.44%		

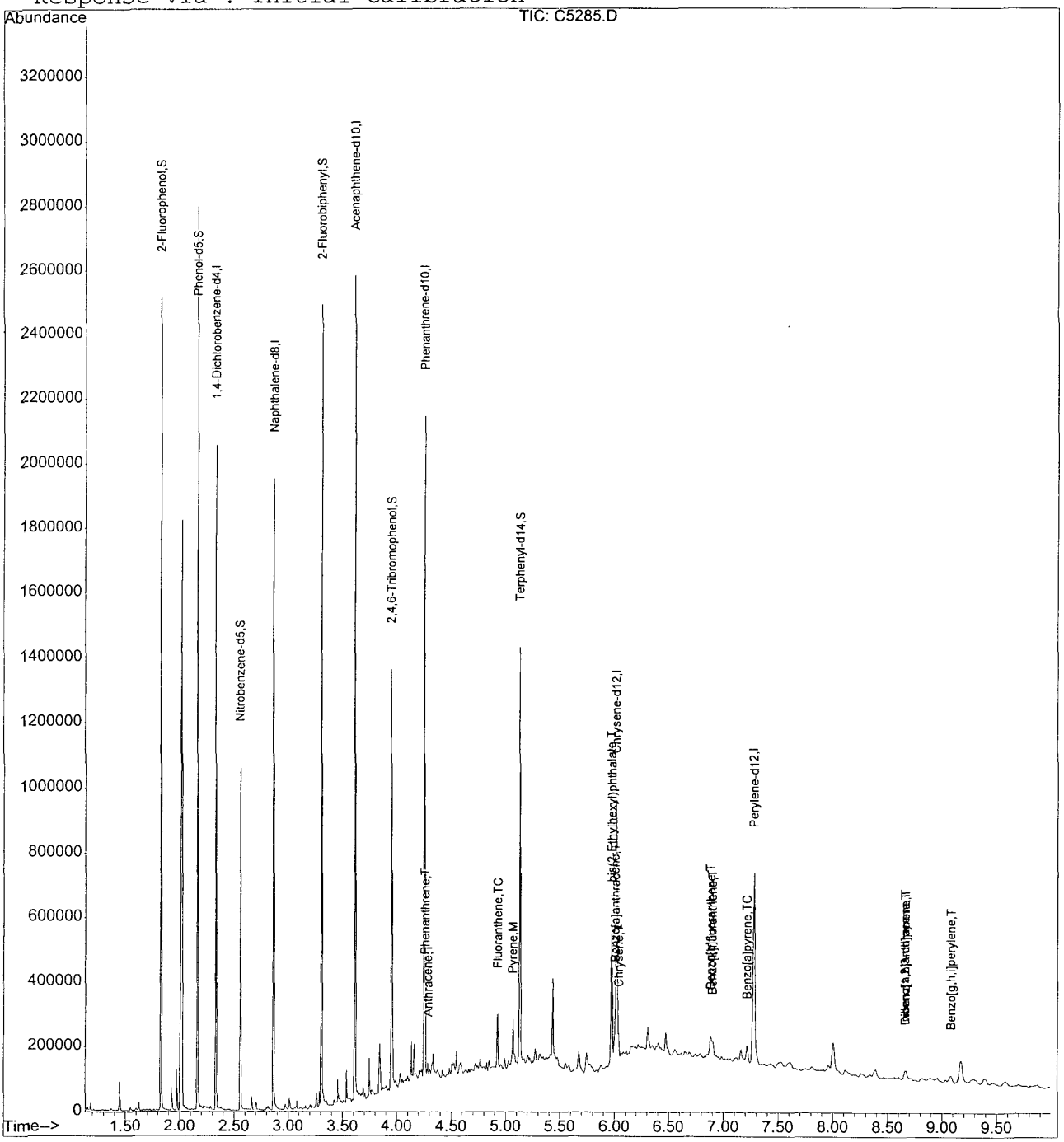
Target Compounds						Qvalue
75) Phenanthrene	4.27	178	34745	3.84 UG		97
76) Anthracene	4.29	178	8242m	0.88 UG		
79) Fluoranthene	4.93	202	48643	6.40 UG		95
83) Pyrene	5.07	202	41929	5.46 UG	#	89
88) Benzo[a]anthracene	6.00	228	22428	4.10 UG	#	91
89) Chrysene	6.04	228	21431	4.09 UG	#	87
90) bis(2-Ethylhexyl)phthalate	5.97	149	103492	20.73 UG		96
94) Benzo[b]fluoranthene	6.89	252	20966m	3.04 UG		
95) Benzo[k]fluoranthene	6.90	252	18695m	2.98 UG		
96) Benzo[a]pyrene	7.21	252	22011	3.67 UG	#	90
97) Indeno[1,2,3-cd]pyrene	8.67	276	15304	2.15 UG	#	35
98) Dibenz[a,h]anthracene	8.66	278	6805m	1.27 UG		
99) Benzo[g,h,i]perylene	9.08	276	16591	2.73 UG	#	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D Vial: 37
Acq On : 21 Feb 2003 13:34 Operator: CH
Sample : SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 14:50 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



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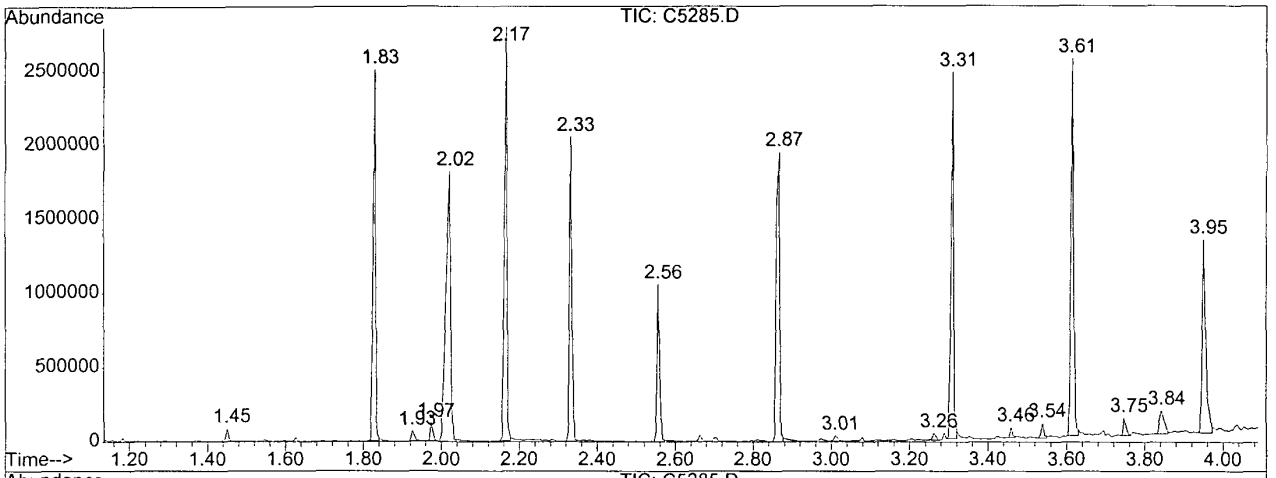
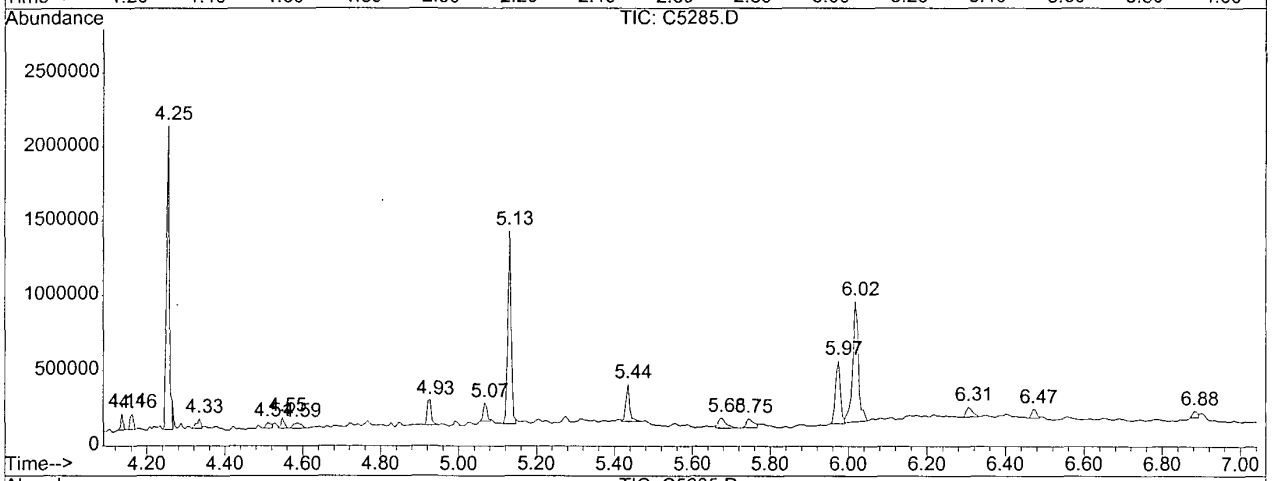
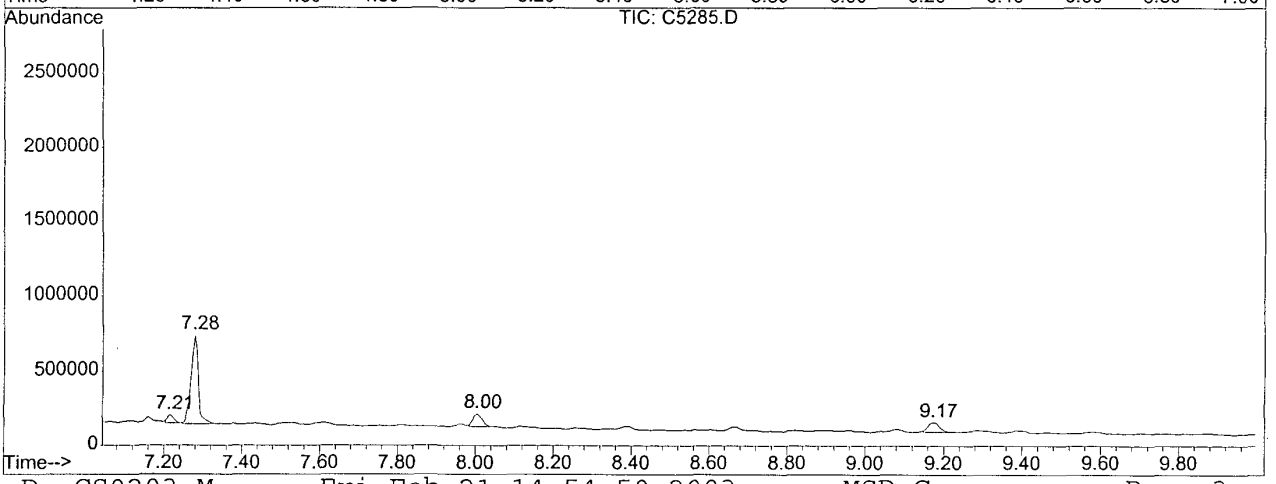
LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D
Operator : CH
Acquired : 21 Feb 2003 13:34 using AcqMethod CS0203
Instrument : MSD_C
Sample Name: SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1
Vial Number: 37
Quant File :CS0203.RES (RTE Integrator)







0250

301508

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D Vial: 37
Acq On : 21 Feb 2003 13:34 Operator: CH
Sample : SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

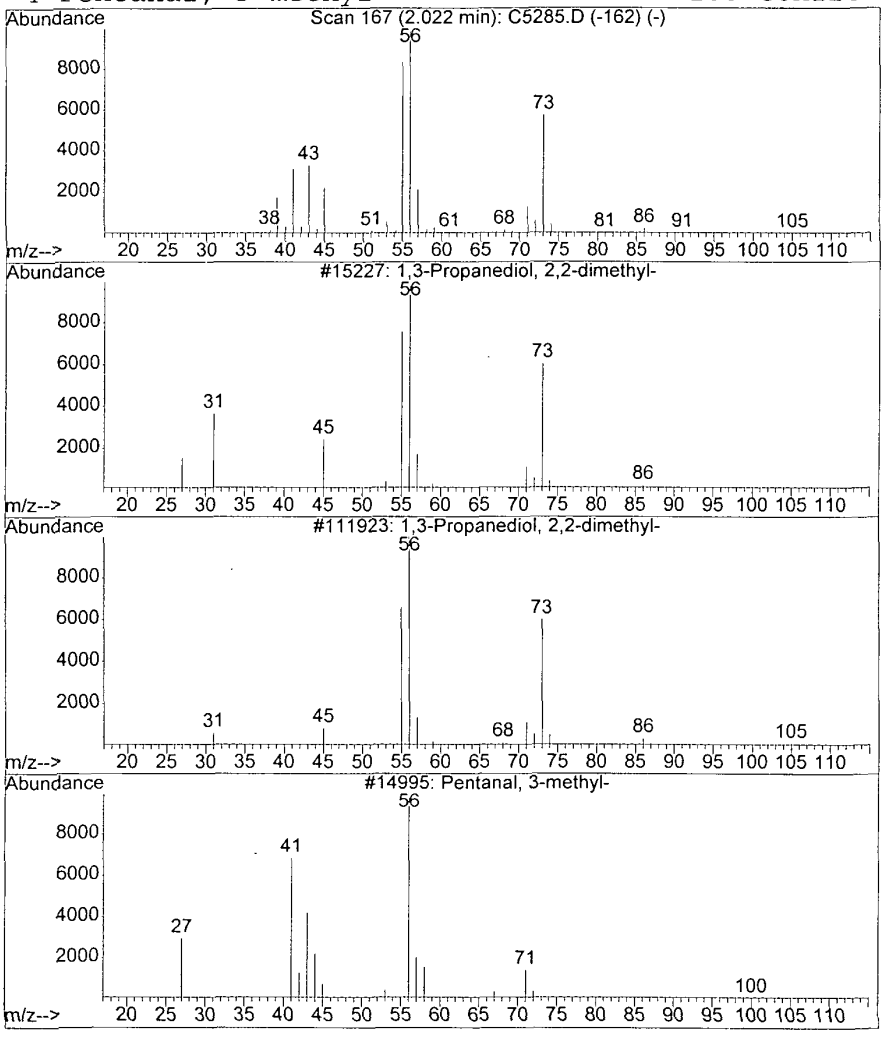
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

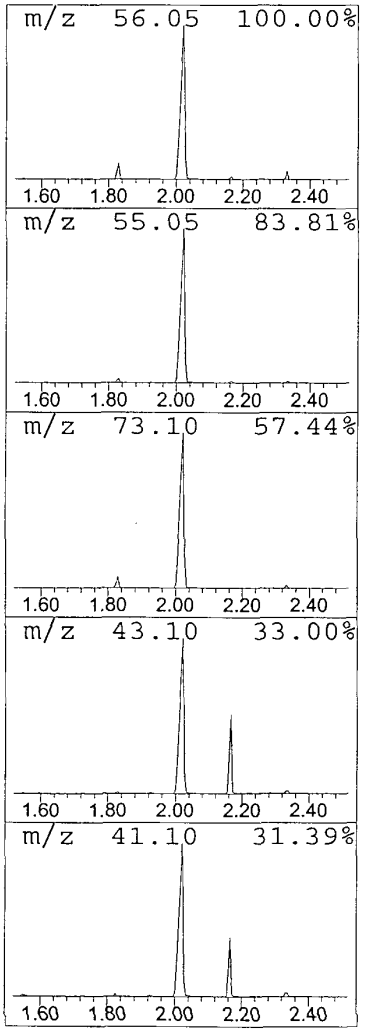
****

Peak Number 1 Unknown hydrocarbon Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.02	68.47 UG	1525260	1,4-Dichlorobenzene-d4	2.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Propanediol, 2,2-dimethyl-	104	C5H12O2	000126-30-7	90
2	1,3-Propanediol, 2,2-dimethyl-	104	C5H12O2	000126-30-7	78
3	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	40
4	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	33





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D Vial: 37
Acq On : 21 Feb 2003 13:34 Operator: CH
Sample : SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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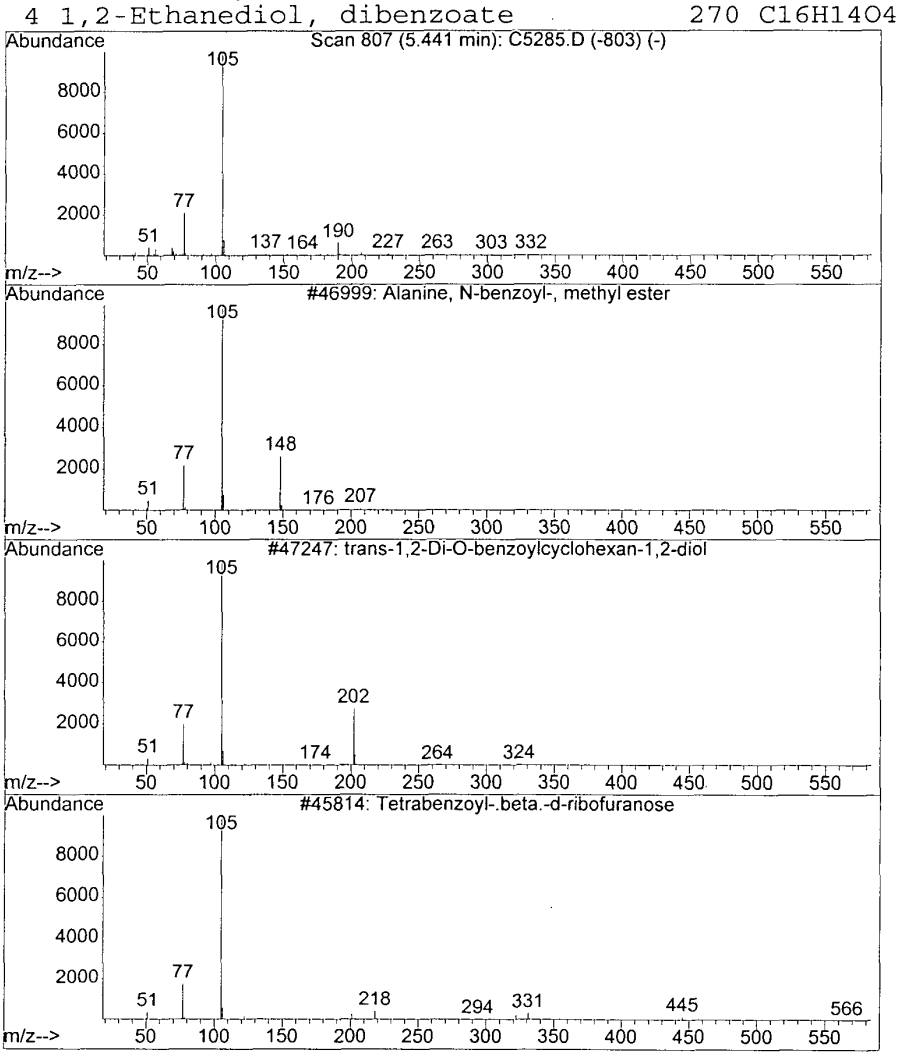
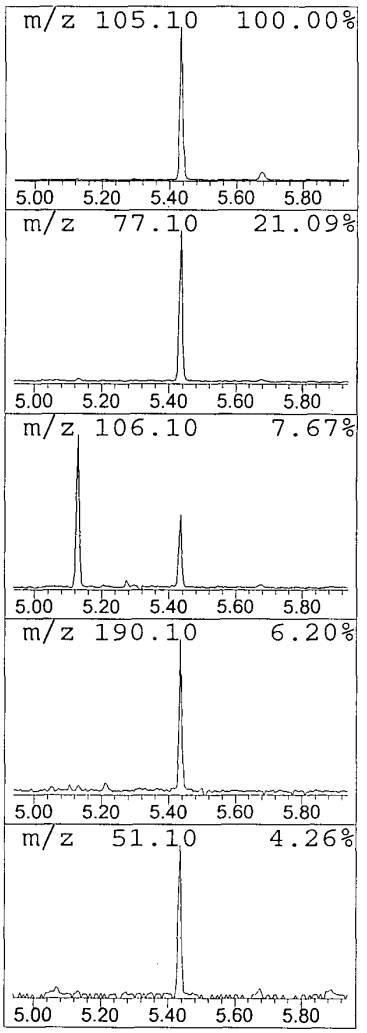
Peak Number 2 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	8.10 UG	167758	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Alanine, N-benzoyl-, methyl ester	207	C11H13NO3	1000195-54-9	64
2	trans-1,2-Di-O-benzoylcyclohexan...	324	C20H20O4	1000127-85-9	59
3	Tetrabenzoyl-.beta.-d-ribofuranose	566	C33H26O9	1000130-00-5	59
4	1,2-Ethanediol, dibenzoate	270	C16H14O4	000094-49-5	59





0252

301510

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D Vial: 37
Acq On : 21 Feb 2003 13:34 Operator: CH
Sample : SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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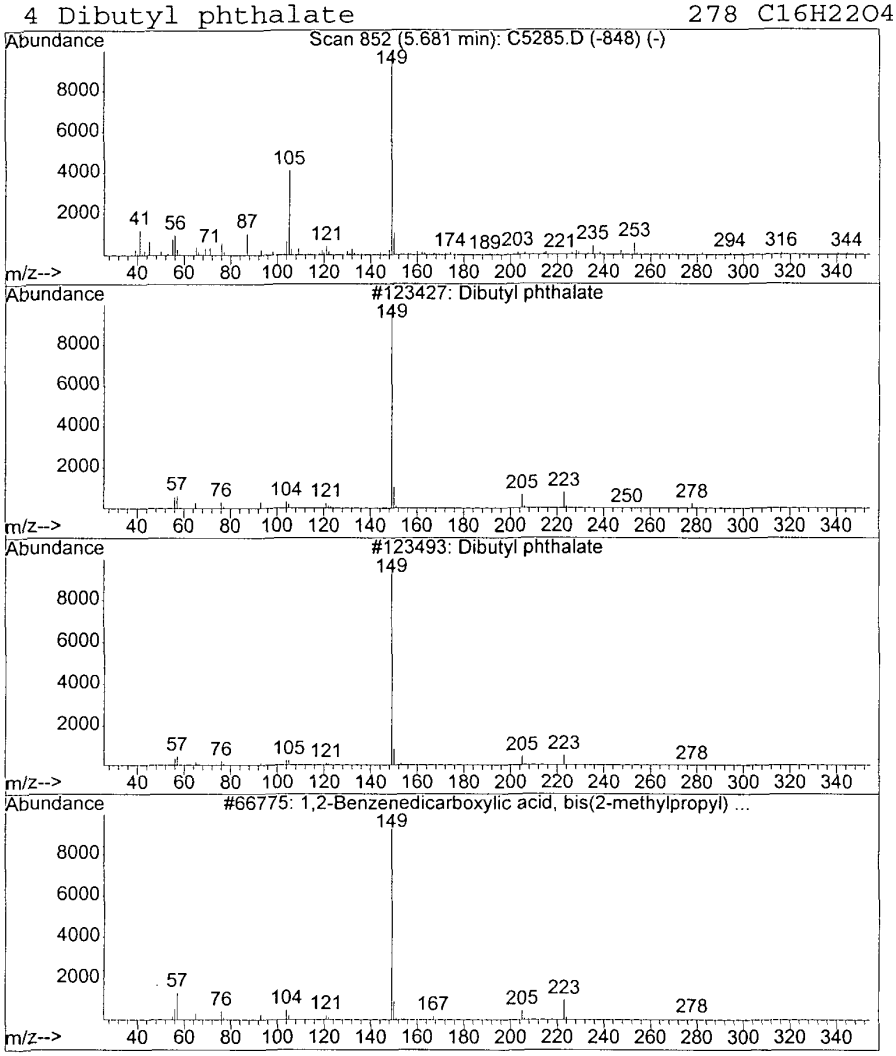
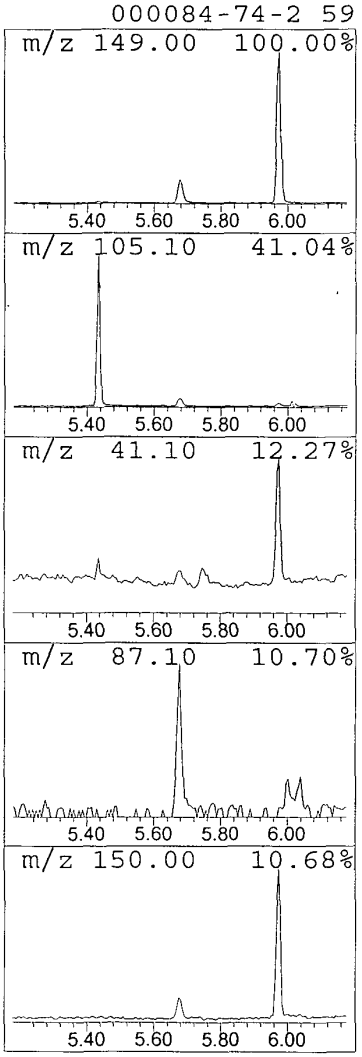
Peak Number 3 Substituted phthalate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.68	4.51 UG	93534	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl phthalate	278	C16H22O4	000084-74-2	59
2	Dibutyl phthalate	278	C16H22O4	000084-74-2	59
3	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	59
4	Dibutyl phthalate	278	C16H22O4	000084-74-2	59





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D Vial: 37
Acq On : 21 Feb 2003 13:34 Operator: CH
Sample : SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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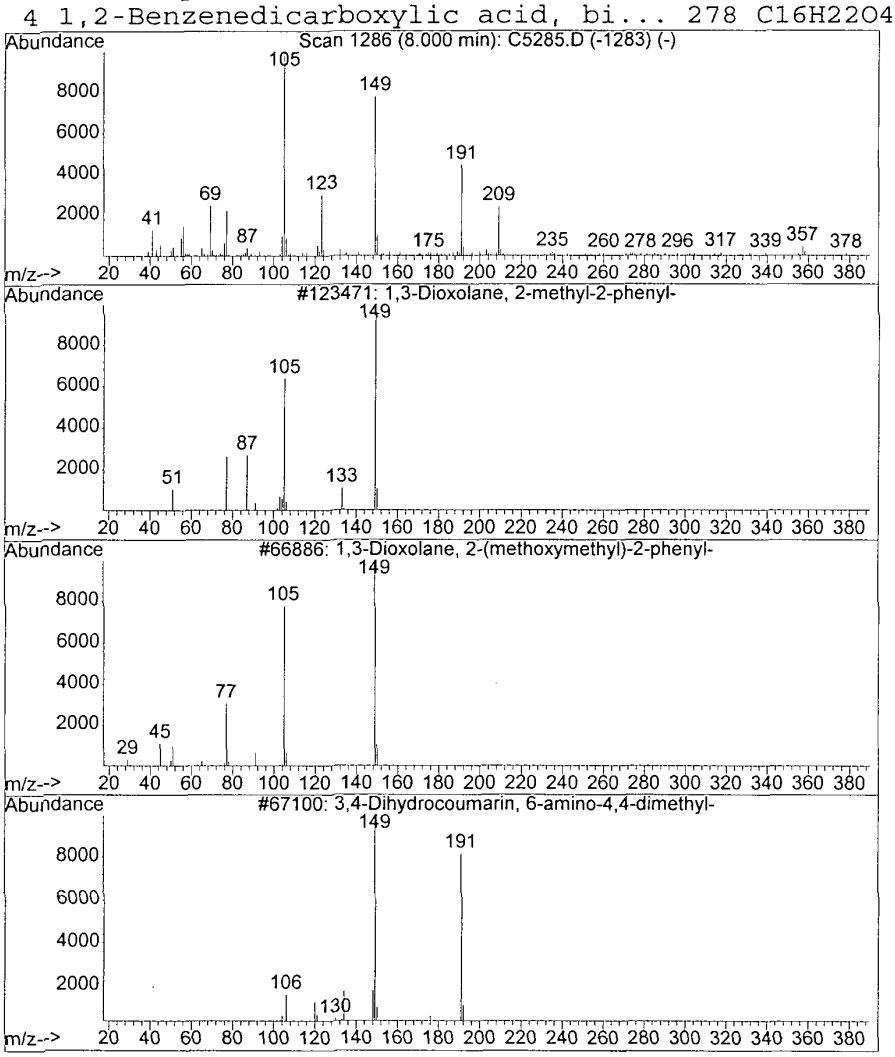
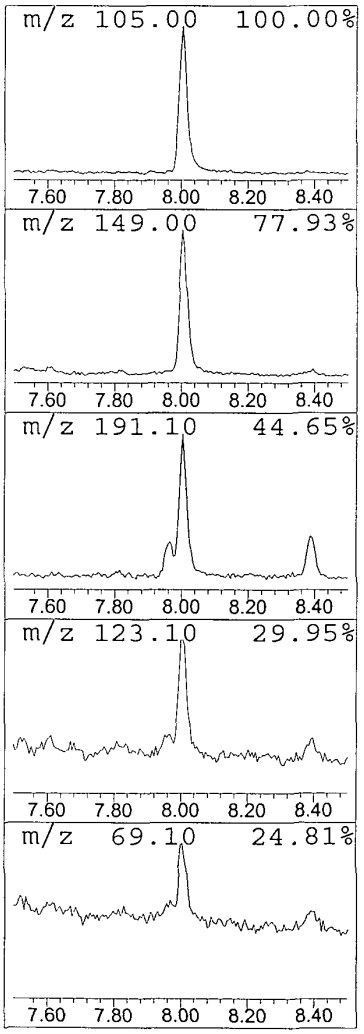
Peak Number 4 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	5.77 UG	111415	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-methyl-2-phenyl-	164	C10H12O2	003674-77-9	43
2	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	38
3	3,4-Dihydrocoumarin, 6-amino-4,4...	191	C11H13NO2	1000128-49-9	37
4	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	27





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5285.D Vial: 37
Acq On : 21 Feb 2003 13:34 Operator: CH
Sample : SB-T12-0/0-0.5,01235-001,S,10.94g,9.30,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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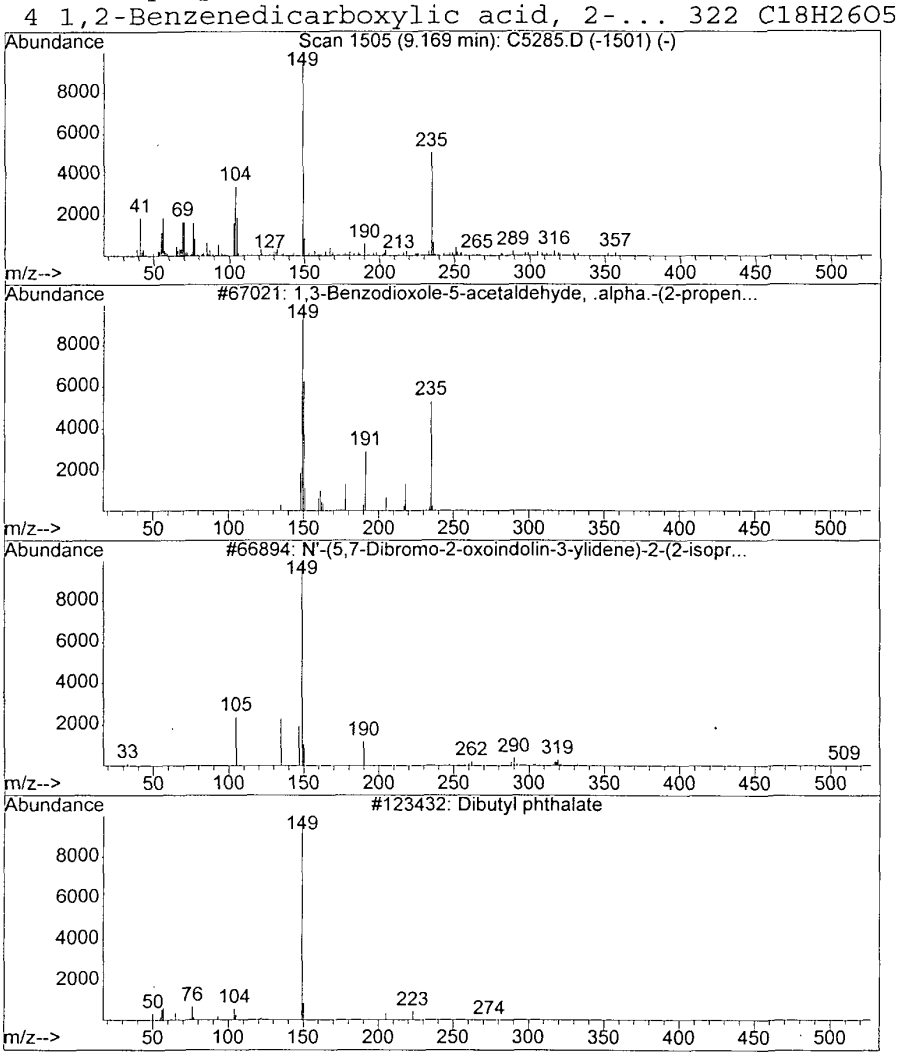
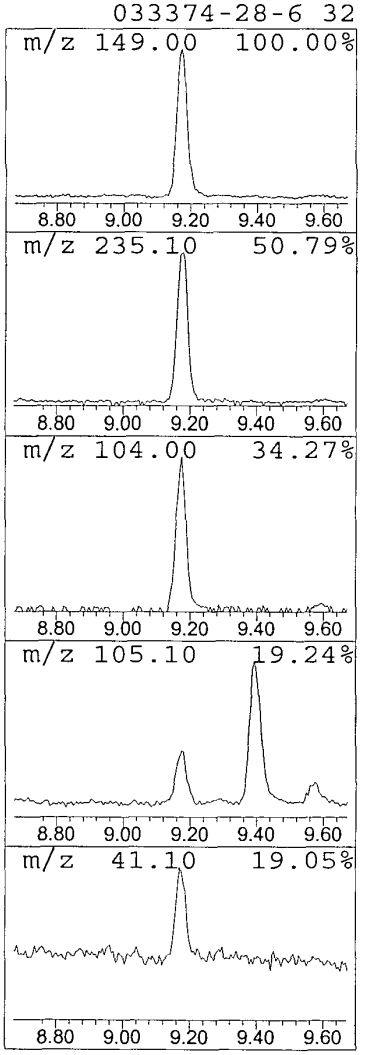
Peak Number 5 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	4.95 UG	95591	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzodioxole-5-acetaldehyde,...	235	C12H13NO4	1000115-56-6	39
2	N'-(5,7-Dibromo-2-oxoindolin-3-y...	507	C20H19Br2N3O3	1000225-45-2	32
3	Dibutyl phthalate	278	C16H22O4	000084-74-2	32
4	1,2-Benzenedicarboxylic acid, 2-...	322	C18H26O5	033374-28-6	32





0255

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5286.D Vial: 38
Acq On : 21 Feb 2003 13:49 Operator: CH
Sample : SB-T12-11/11-1,01235-002,S,10.21g,16.9,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 14:00:06 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	162395	40.00 UG	0.00
23) Naphthalene-d8	2.87	136	638891	40.00 UG	0.00
43) Acenaphthene-d10	3.61	164	290005	40.00 UG	-0.02
66) Phenanthrene-d10	4.25	188	407753	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	219967	40.00 UG	-0.03
92) Perylene-d12	7.27	264	208235	40.00 UG	-0.05
System Monitoring Compounds					
4) 2-Fluorophenol	1.83	112	348102	67.43 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 67.43%		
6) Phenol-d5	2.17	99	565056	88.82 UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 88.82%		
24) Nitrobenzene-d5	2.56	82	189013	35.45 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 70.90%		
47) 2-Fluorobiphenyl	3.31	172	421651	51.31 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 102.62%		
70) 2,4,6-Tribromophenol	3.96	330	88516	83.20 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 83.20%		
84) Terphenyl-d14	5.13	244	273049	55.02 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 110.04%		

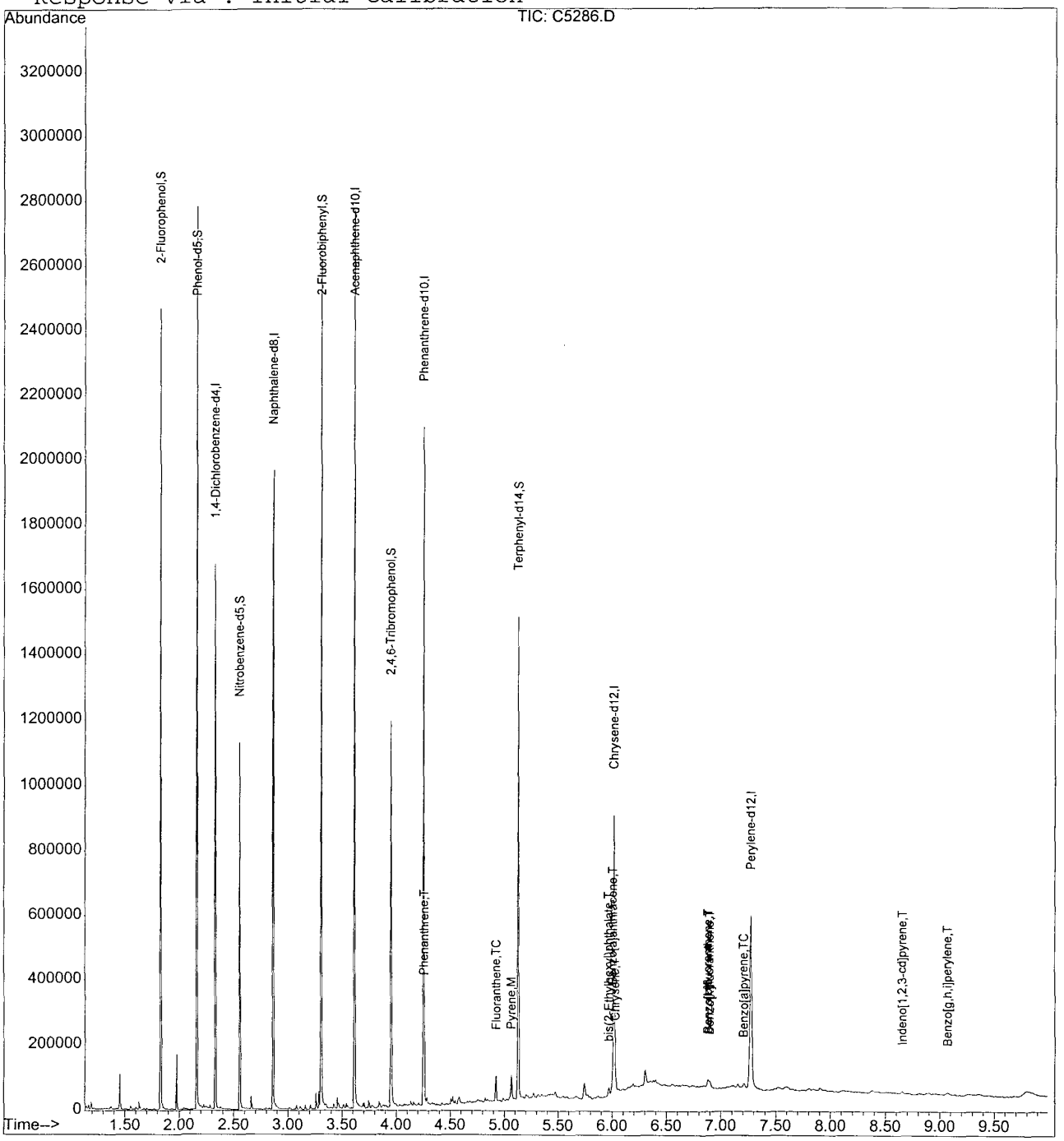
Target Compounds						Qvalue
75) Phenanthrene	4.27	178	19512	2.13 UG		97
79) Fluoranthene	4.93	202	23218	3.02 UG	#	88
83) Pyrene	5.07	202	20550	2.85 UG	#	90
88) Benzo[a]anthracene	6.00	228	8158	1.59 UG	#	89
89) Chrysene	6.03	228	8868	1.80 UG	#	90
90) bis(2-Ethylhexyl)phthalate	5.97	149	6668	1.42 UG	#	79
94) Benzo[b]fluoranthene	6.89	252	7159m	1.11 UG		
95) Benzo[k]fluoranthene	6.90	252	5305m	0.91 UG		
96) Benzo[a]pyrene	7.21	252	6047	1.08 UG	#	86
97) Indeno[1,2,3-cd]pyrene	8.66	276	4659m	0.70 UG		
99) Benzo[g,h,i]perylene	9.08	276	4020m	0.71 UG		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5286.D Vial: 38
Acq On : 21 Feb 2003 13:49 Operator: CH
Sample : SB-T12-11/11-1,01235-002,S,10.21g,16.9,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 14:58 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-21-03\C5286.D          Vial: 38
Acq On    : 21 Feb 2003  13:49                       Operator: CH
Sample    : SB-T12-11/11-1,01235-002,S,10.21g,16.9,0 Inst    : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

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C5286.D CS0203.M Fri Feb 21 14:58:54 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5287.D Vial: 39
Acq On : 21 Feb 2003 14:05 Operator: CH
Sample : SB-T12-14/14-1,01235-003,S,10.94g,17.1,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 14:15:37 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	144329	40.00	UG	0.00
23) Naphthalene-d8	2.86	136	548902	40.00	UG	-0.01
43) Acenaphthene-d10	3.61	164	273346	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	391260	40.00	UG	-0.02
82) Chrysene-d12	6.02	240	215961	40.00	UG	-0.03
92) Perylene-d12	7.27	264	194444	40.00	UG	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	1.83	112	338937	73.87	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 73.87%			
6) Phenol-d5	2.16	99	422507	74.73	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 74.73%			
24) Nitrobenzene-d5	2.56	82	169723	37.05	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 74.10%			
47) 2-Fluorobiphenyl	3.31	172	360981	46.60	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 93.20%			
70) 2,4,6-Tribromophenol	3.96	330	71625	70.17	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 70.17%			
84) Terphenyl-d14	5.13	244	247500	50.80	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 101.60%			

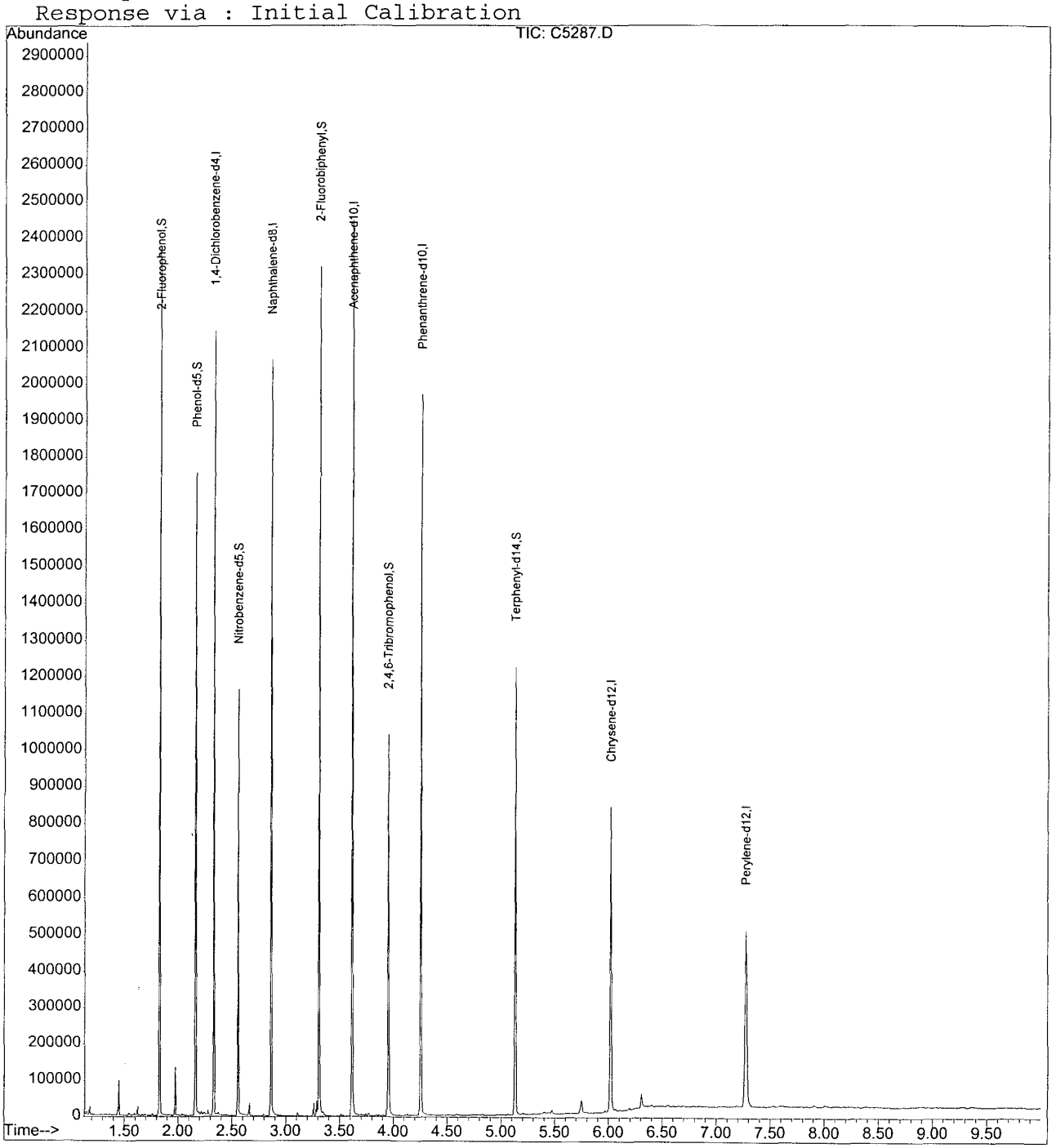
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5287.D Vial: 39
Acq On : 21 Feb 2003 14:05 Operator: CH
Sample : SB-T12-14/14-1,01235-003,S,10.94g,17.1,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:00 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0260

301518

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-21-03\C5287.D          Vial: 39
Acq On    : 21 Feb 2003  14:05                       Operator: CH
Sample    : SB-T12-14/14-1,01235-003,S,10.94g,17.1,0 Inst    : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

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C5287.D CS0203.M Fri Feb 21 15:00:25 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5288.D Vial: 40
Acq On : 21 Feb 2003 14:21 Operator: CH
Sample : SB-W13-0/0-0.5,01235-004,S,10.39g,14.0,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 14:31:15 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	171478	40.00	UG	0.00
23) Naphthalene-d8	2.87	136	680126	40.00	UG	0.00
43) Acenaphthene-d10	3.61	164	308655	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	449409	40.00	UG	-0.02
82) Chrysene-d12	6.02	240	239314	40.00	UG	-0.03
92) Perylene-d12	7.28	264	214176	40.00	UG	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	1.83	112	385334	70.69	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 70.69%			
6) Phenol-d5	2.17	99	578110	86.06	UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 86.06%			
24) Nitrobenzene-d5	2.56	82	198659	35.00	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 70.00%			
47) 2-Fluorobiphenyl	3.31	172	480545	54.94	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 109.88%			
70) 2,4,6-Tribromophenol	3.96	330	93088	79.39	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 79.39%			
84) Terphenyl-d14	5.13	244	292790	54.23	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 108.46%			

Target Compounds

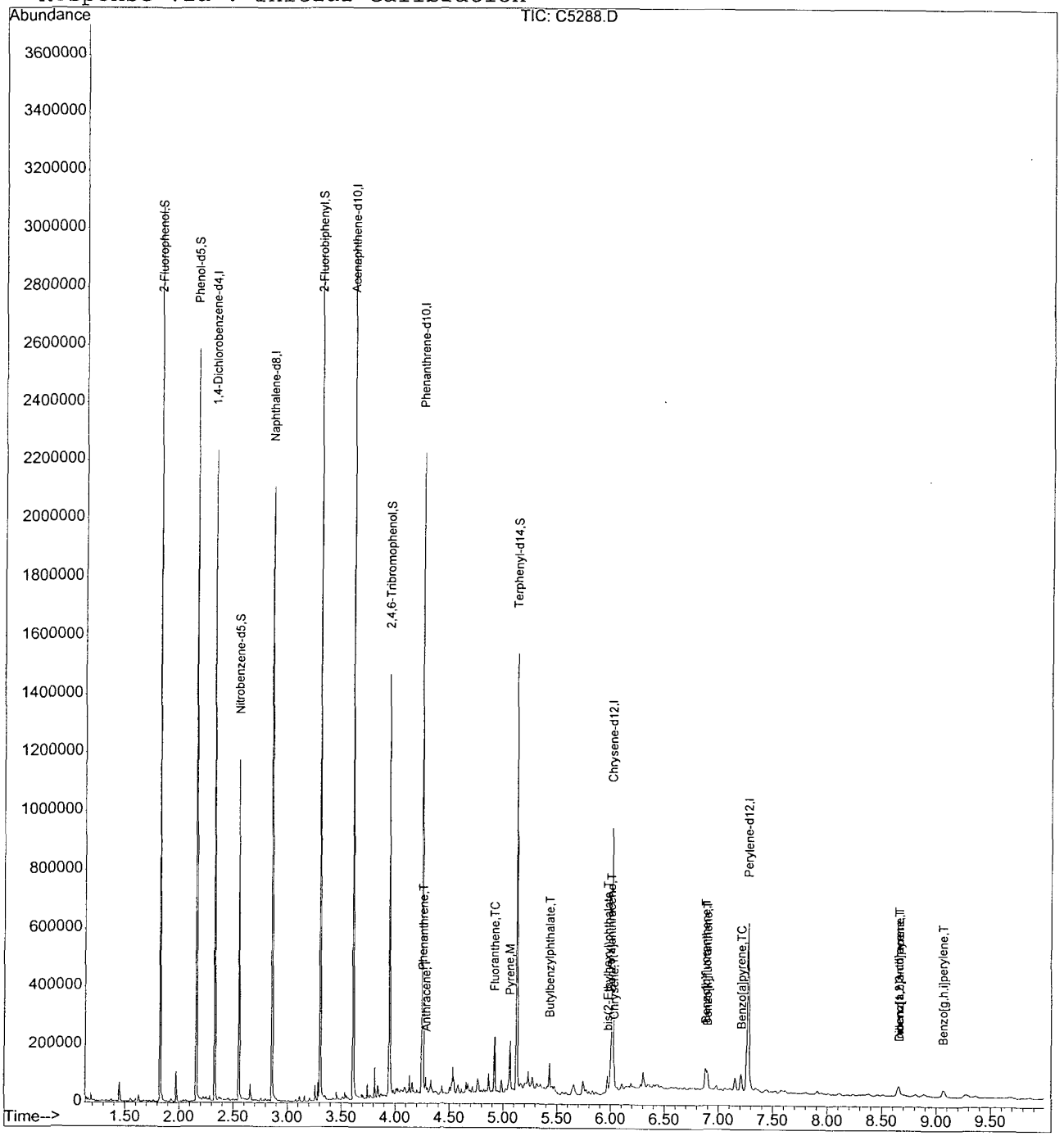
							Qvalue
75) Phenanthrene	4.27	178	39011	3.87	UG		98
76) Anthracene	4.29	178	11529	1.11	UG		94
79) Fluoranthene	4.93	202	57522	6.79	UG		93
83) Pyrene	5.07	202	48664	6.19	UG	#	87
86) Butylbenzylphthalate	5.44	149	13561	3.49	UG	#	96
88) Benzo[a]anthracene	6.00	228	23926	4.27	UG	#	85
89) Chrysene	6.04	228	24699	4.60	UG	#	95
90) bis(2-Ethylhexyl)phthalate	5.97	149	13245	2.59	UG		91
94) Benzo[b]fluoranthene	6.89	252	25131m	3.79	UG		
95) Benzo[k]fluoranthene	6.90	252	19764m	3.28	UG		
96) Benzo[a]pyrene	7.21	252	23748	4.13	UG	#	91
97) Indeno[1,2,3-cd]pyrene	8.66	276	16939	2.49	UG	#	46
98) Dibenz[a,h]anthracene	8.66	278	6206m	1.21	UG		
99) Benzo[g,h,i]perylene	9.07	276	16407m	2.82	UG		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5288.D Vial: 40
Acq On : 21 Feb 2003 14:21 Operator: CH
Sample : SB-W13-0/0-0.5,01235-004,S,10.39g,14.0,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:02 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0263

301521

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-21-03\C5288.D          Vial: 40
Acq On    : 21 Feb 2003  14:21                       Operator: CH
Sample    : SB-W13-0/0-0.5,01235-004,S,10.39g,14.0,0 Inst    : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

****

C5288.D CS0203.M Fri Feb 21 15:19:04 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 16:19:52 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	194910	40.00 UG	0.00
23) Naphthalene-d8	2.87	136	736270	40.00 UG	0.00
43) Acenaphthene-d10	3.62	164	328614	40.00 UG	-0.01
66) Phenanthrene-d10	4.25	188	412084	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	223611	40.00 UG	-0.03
92) Perylene-d12	7.27	264	207237	40.00 UG	-0.05
System Monitoring Compounds					
4) 2-Fluorophenol	1.83	112	119787	19.33 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 19.33%#		
6) Phenol-d5	2.16	99	170282	22.30 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 22.30%#		
24) Nitrobenzene-d5	2.56	82	73544	11.97 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 23.94%#		
47) 2-Fluorobiphenyl	3.31	172	149764	16.08 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 32.16%#		
70) 2,4,6-Tribromophenol	3.96	330	25122	23.37 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 23.37%#		
84) Terphenyl-d14	5.13	244	84542	16.76 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 33.52%#		

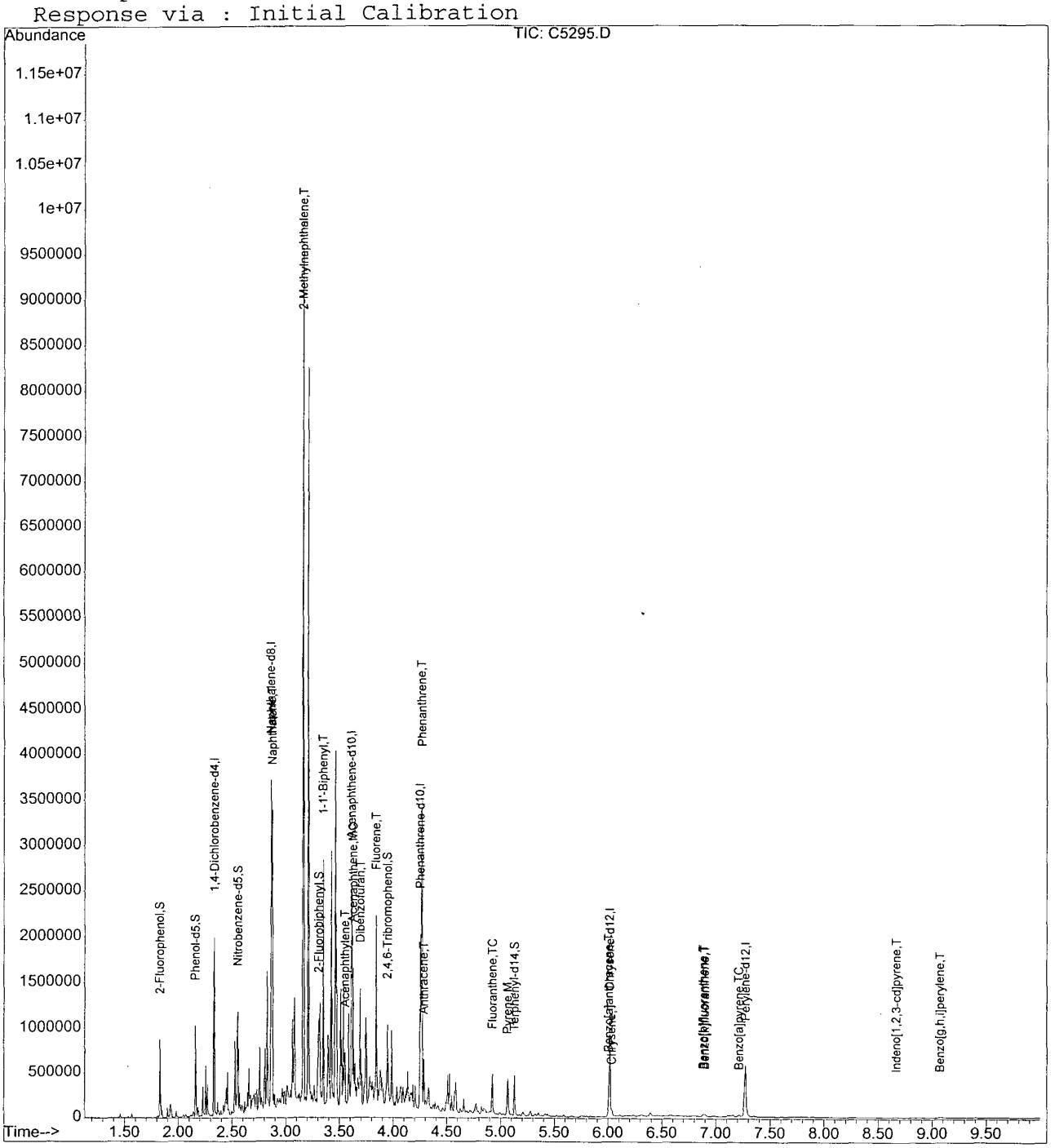
Target Compounds					Qvalue
34) Naphthalene	2.88	128	857825	53.04 UG	# 100
41) 2-Methylnaphthalene	3.16	142	1709322	156.94 UG	# 100
48) 1-1'-Biphenyl	3.35	154	378620	35.27 UG	98
53) Acenaphthylene	3.55	152	43281	3.21 UG	# 75
55) Acenaphthene	3.63	153	166771	19.97 UG	96
59) Dibenzofuran	3.69	168	115685	10.02 UG	86
61) Fluorene	3.84	166	253194	27.08 UG	# 98
75) Phenanthrene	4.27	178	906947	98.14 UG	99
76) Anthracene	4.29	178	112026m	11.76 UG	
79) Fluoranthene	4.93	202	123399	15.88 UG	95
83) Pyrene	5.07	202	113321	15.43 UG	# 91
88) Benzo[a]anthracene	6.00	228	18978	3.63 UG	# 92
89) Chrysene	6.04	228	17947	3.58 UG	98
94) Benzo[b]fluoranthene	6.88	252	7080m	1.10 UG	
95) Benzo[k]fluoranthene	6.90	252	9403m	1.61 UG	
96) Benzo[a]pyrene	7.21	252	8977	1.61 UG	# 84
97) Indeno[1,2,3-cd]pyrene	8.66	276	5281	0.80 UG	# 37
99) Benzo[g,h,i]perylene	9.08	276	4857	0.86 UG	# 34

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 6:32 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0266

301524

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

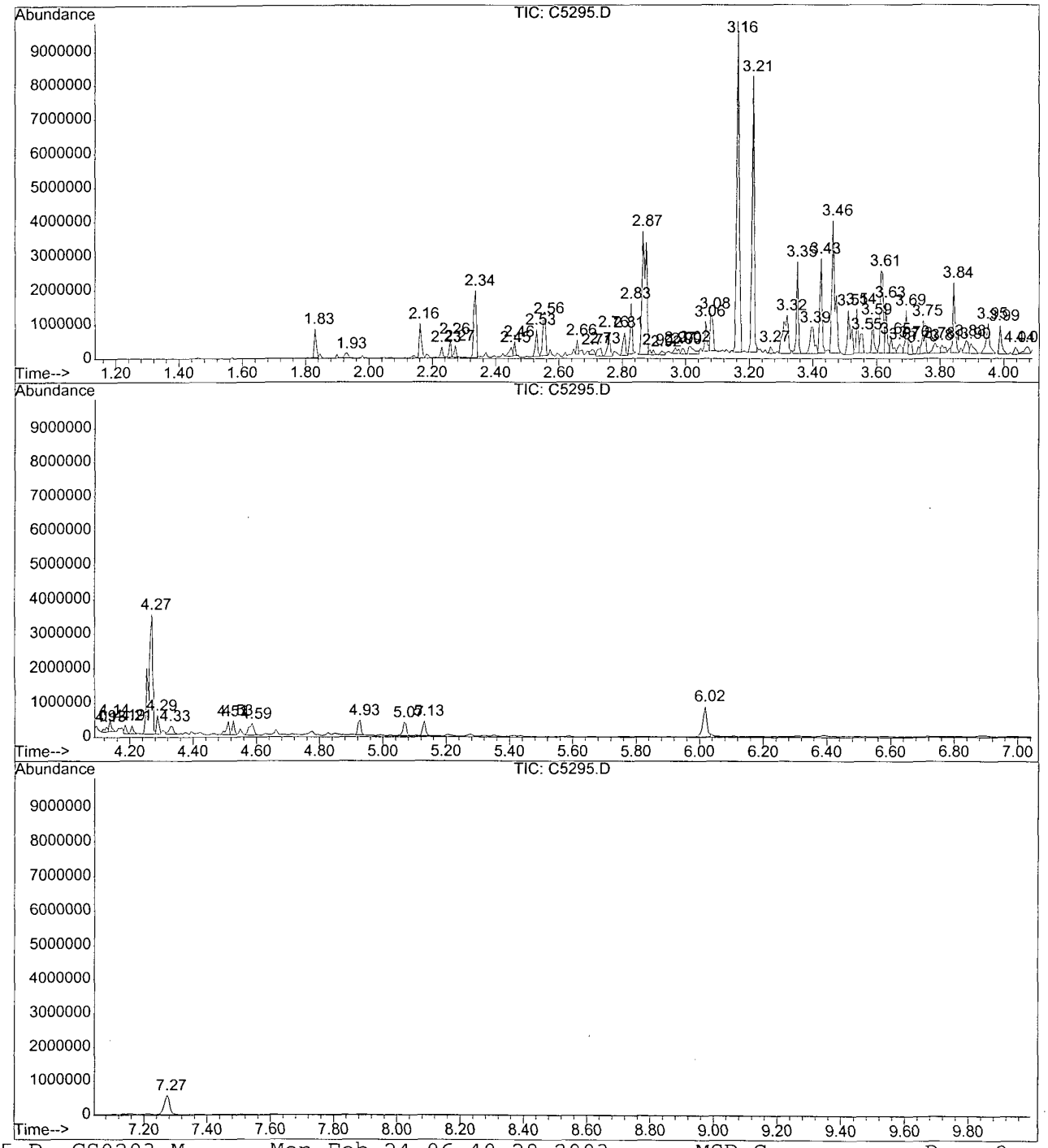
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.829	130	131	133	rBV	855174	376700	7.27%	0.828%
2	1.931	146	150	152	rVB3	145361	118316	2.28%	0.260%
3	2.160	191	193	196	rBV	1017812	509427	9.82%	1.120%
4	2.230	204	206	208	rBV	323385	148929	2.87%	0.328%
5	2.257	209	211	212	rVV	547247	211794	4.08%	0.466%
6	2.273	212	214	216	rBV	342416	145682	2.81%	0.320%
7	2.337	223	226	227	rBV	1967782	1134684	21.88%	2.495%
8	2.449	243	247	248	rBV2	271591	198868	3.84%	0.437%
9	2.460	248	249	250	rVB	421759	136702	2.64%	0.301%
10	2.529	259	262	264	rBV	798135	385944	7.44%	0.849%
11	2.556	264	267	269	rVB2	1085080	758042	14.62%	1.667%
12	2.657	285	286	287	rBV	428082	164071	3.16%	0.361%
13	2.705	293	295	297	rVB2	156836	116756	2.25%	0.257%
14	2.732	297	300	301	rVB2	239648	202324	3.90%	0.445%
15	2.759	301	305	307	rBV2	714115	412494	7.96%	0.907%
16	2.807	311	314	316	rBV2	679995	392235	7.56%	0.863%
17	2.828	316	318	320	rBV	1475179	650827	12.55%	1.431%
18	2.866	322	325	328	rBV	3608235	3337094	64.36%	7.339%
19	2.898	328	331	334	rVB2	155412	122797	2.37%	0.270%
20	2.924	334	336	338	rBV2	110503	96747	1.87%	0.213%
21	2.967	342	344	347	rVB3	183507	151908	2.93%	0.334%
22	2.988	347	348	351	rVB3	156230	102806	1.98%	0.226%
23	3.015	351	353	358	rBV5	217690	310719	5.99%	0.683%
24	3.063	360	362	364	rBV2	883545	442670	8.54%	0.974%
25	3.079	364	365	368	rVB	1099820	666738	12.86%	1.466%
26	3.165	378	381	383	rVB	9678768	5185088	100.00%	11.403%
27	3.213	387	390	392	rBV	8053890	3768517	72.68%	8.288%
28	3.266	398	400	403	rBV3	196331	110713	2.14%	0.243%
29	3.320	405	410	412	rBV2	1133028	1322318	25.50%	2.908%
30	3.352	413	416	418	rVB	2685779	1091799	21.06%	2.401%
31	3.394	418	424	428	rBV	777921	773466	14.92%	1.701%

32	3.427	428	430	432	rVV	2764484	1379930	26.61%	3.035%
33	3.464	435	437	441	rVV	3868441	2706834	52.20%	5.953%
34	3.512	443	446	449	rBV	1299262	931992	17.97%	2.050%
35	3.539	449	451	452	rVV	1294067	516985	9.97%	1.137%
36	3.555	452	454	455	rVV	559140	360213	6.95%	0.792%
37	3.587	458	460	463	rVV	992855	462392	8.92%	1.017%
38	3.614	463	465	467	rVV	2403270	1684680	32.49%	3.705%
39	3.630	467	468	470	rVV	1485231	623187	12.02%	1.371%
40	3.646	470	471	474	rVV	430614	244686	4.72%	0.538%
41	3.672	474	476	478	rVV3	268677	247453	4.77%	0.544%
42	3.694	478	480	481	rVV	1257722	557802	10.76%	1.227%
43	3.704	481	482	484	rVB	365644	225329	4.35%	0.496%
44	3.731	484	487	488	rBV2	226341	148117	2.86%	0.326%
45	3.747	488	490	493	rVB	968583	687278	13.25%	1.511%
46	3.784	493	497	500	rBV	311850	388244	7.49%	0.854%
47	3.806	500	501	504	rVV2	228467	173810	3.35%	0.382%
48	3.843	506	508	511	rVV	2053128	936891	18.07%	2.060%
49	3.881	513	515	517	rVV	358036	311916	6.02%	0.686%
50	3.897	517	518	522	rVB3	299784	235355	4.54%	0.518%
51	3.950	523	528	534	rBV3	878566	699369	13.49%	1.538%
52	3.987	534	535	540	rVB	842382	423683	8.17%	0.932%
53	4.036	542	544	546	rBV2	219290	148044	2.86%	0.326%
54	4.073	546	551	553	rBV3	199897	211578	4.08%	0.465%
55	4.094	553	555	558	rVB2	188479	128110	2.47%	0.282%
56	4.126	558	561	562	rBV2	161815	128147	2.47%	0.282%
57	4.137	562	563	566	rVB	342236	162668	3.14%	0.358%
58	4.185	571	572	574	rVV	262465	109940	2.12%	0.242%
59	4.207	574	576	579	rVV	249747	129550	2.50%	0.285%
60	4.271	582	588	590	rBV2	3488696	3206400	61.84%	7.052%
61	4.287	590	591	593	rVV	551676	273462	5.27%	0.601%
62	4.329	596	599	603	rVB2	242909	235169	4.54%	0.517%
63	4.511	628	633	634	rBV2	401606	270609	5.22%	0.595%
64	4.527	634	636	638	rVB	421435	206164	3.98%	0.453%
65	4.586	643	647	652	rVB2	343996	370065	7.14%	0.814%
66	4.928	708	711	714	rVB	439708	301498	5.81%	0.663%
67	5.067	732	737	742	rBV	406187	334441	6.45%	0.736%
68	5.131	746	749	752	rBV	444515	279579	5.39%	0.615%
69	6.018	908	915	918	rBV	901794	801689	15.46%	1.763%
70	7.273	1144	1150	1161	rVB	567816	680231	13.12%	1.496%

Sum of corrected areas: 45470665

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D
Operator : CH
Acquired : 21 Feb 2003 16:09 using AcqMethod CS0203
Instrument : MSD_C
Sample Name: SB-W13-12/12-1,01235-005,S,10.05g,16.6,0
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3
Vial Number: 41
Quant File :CS0203.RES (RTE Integrator)



0269

301527

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

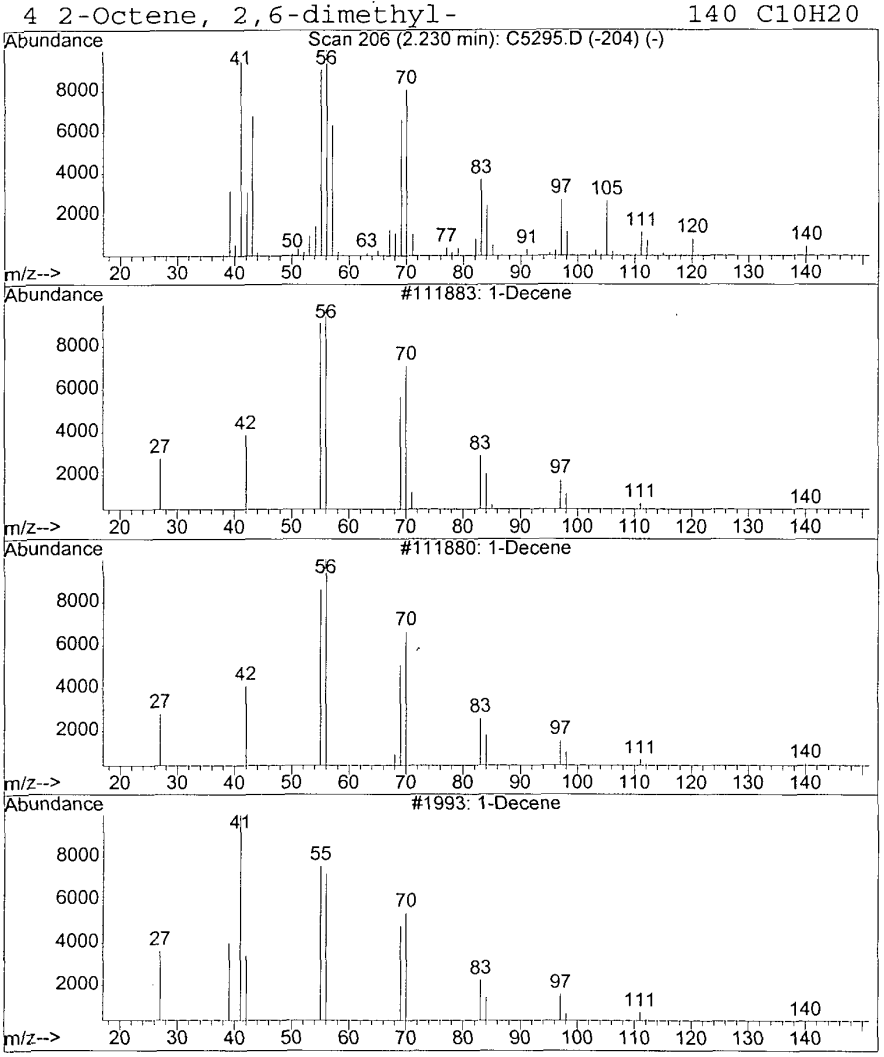
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

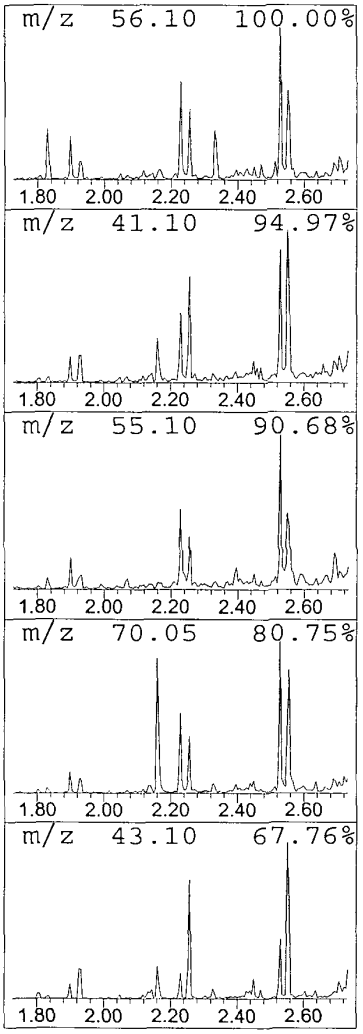
****

Peak Number 1 Unknown alkane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	5.25 UG	148929	1,4-Dichlorobenzene-d4	2.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	95
2	1-Decene	140	C10H20	000872-05-9	95
3	1-Decene	140	C10H20	000872-05-9	91
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	86





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

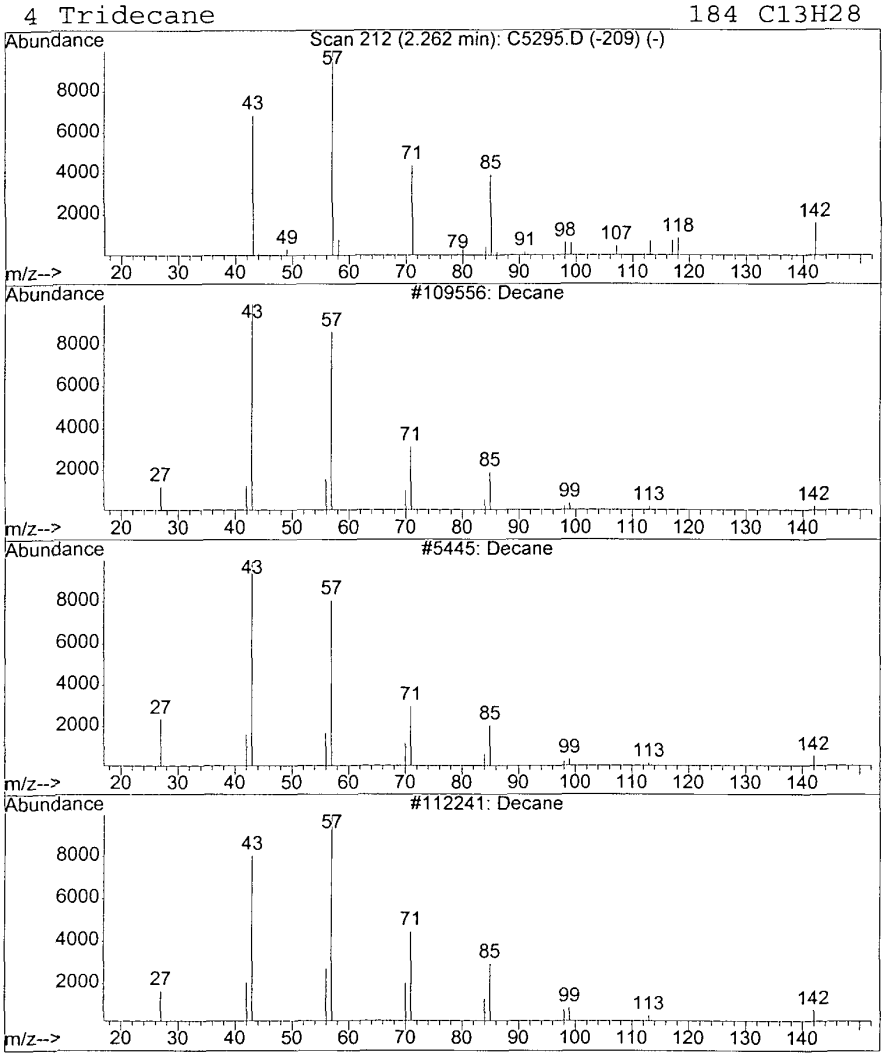
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

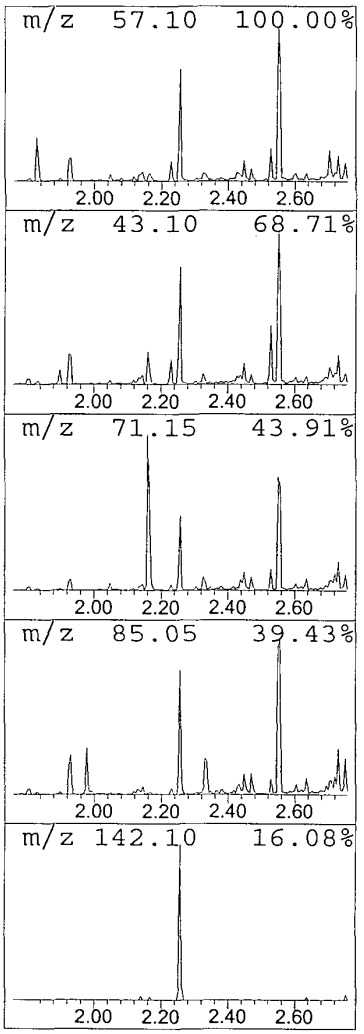
****

Peak Number 2 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.26	7.47 UG	211794	1,4-Dichlorobenzene-d4	2.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane	142	C10H22	000124-18-5	87
3	Decane	142	C10H22	000124-18-5	81
4	Tridecane	184	C13H28	000629-50-5	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

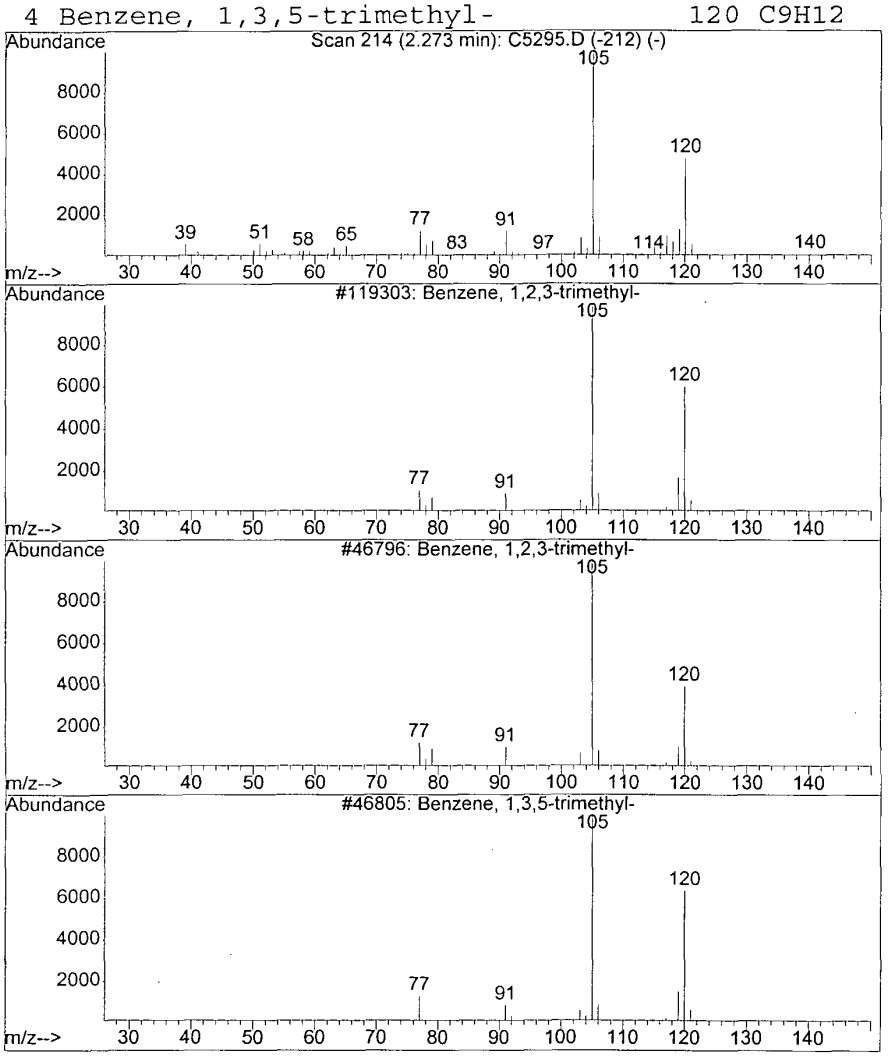
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

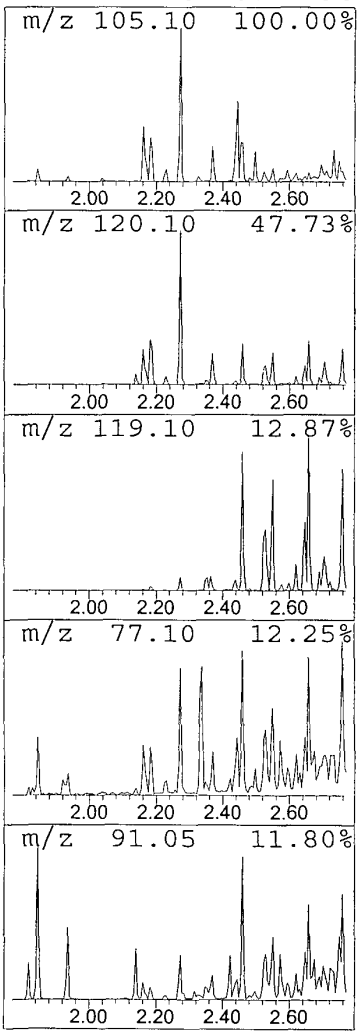
****

Peak Number 3 Substituted benzene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.27	5.14 UG	145682	1,4-Dichlorobenzene-d4	2.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

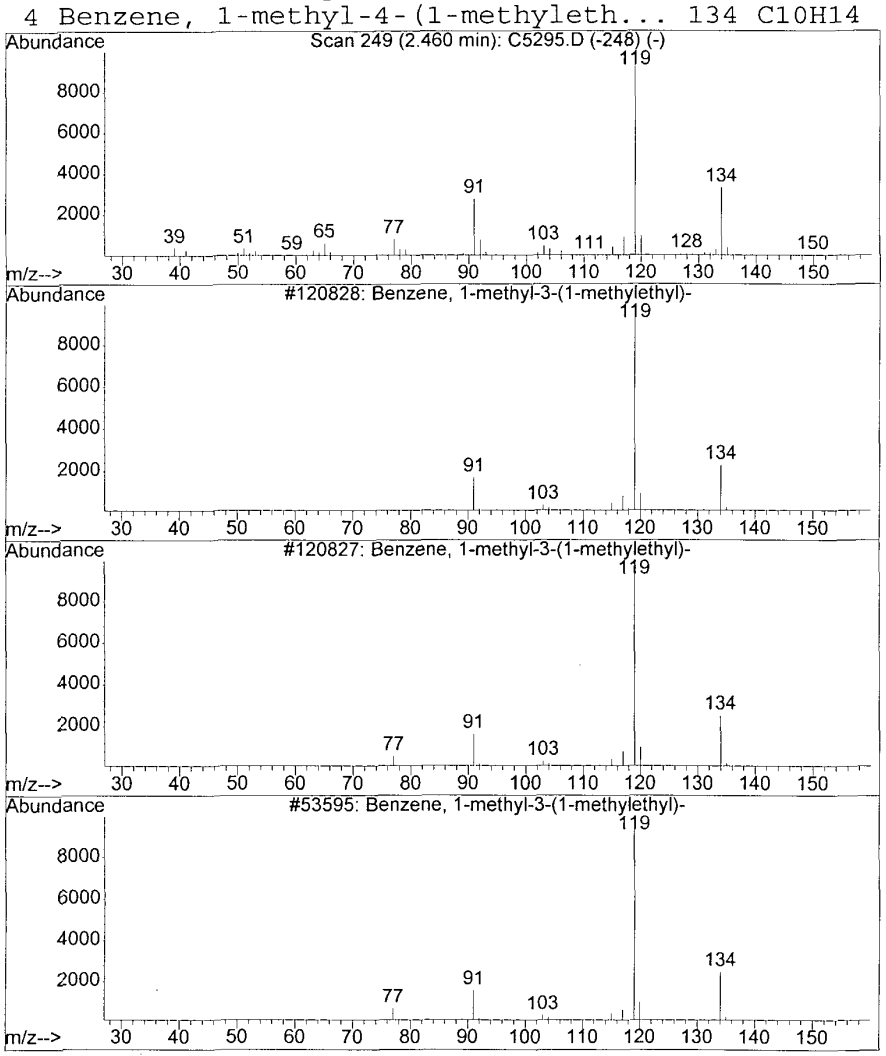
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

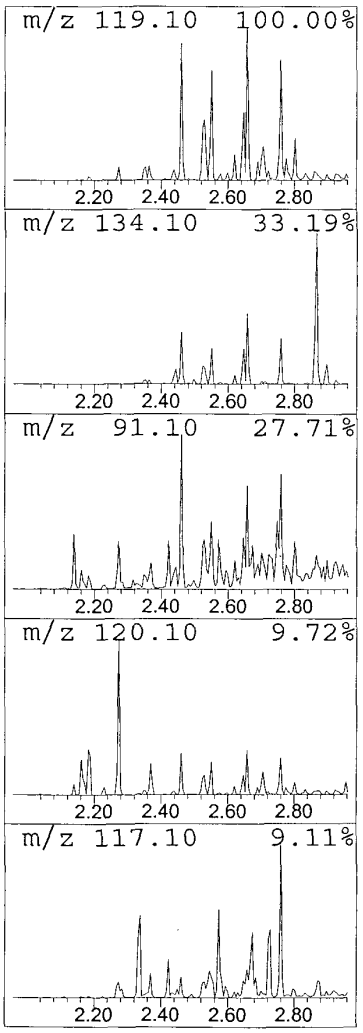
****

Peak Number 4 Substituted benzene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.46	4.82 UG	136702	1,4-Dichlorobenzene-d4	2.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90





301531

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

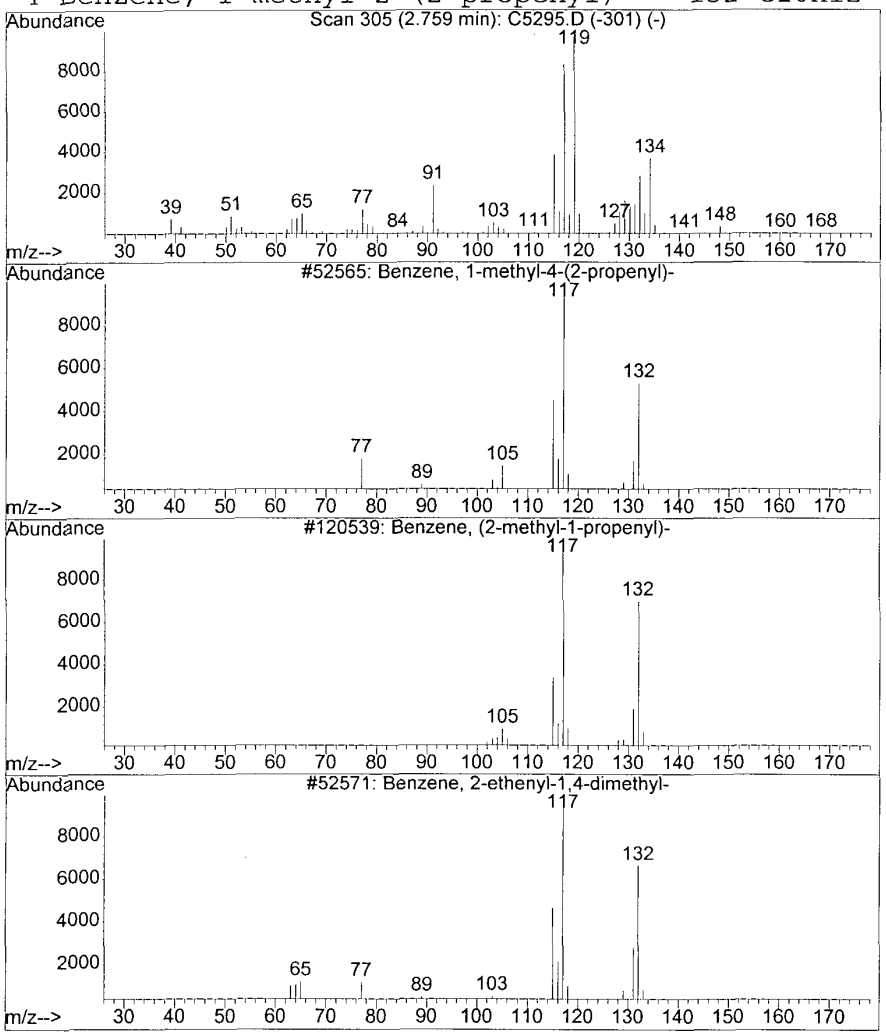
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

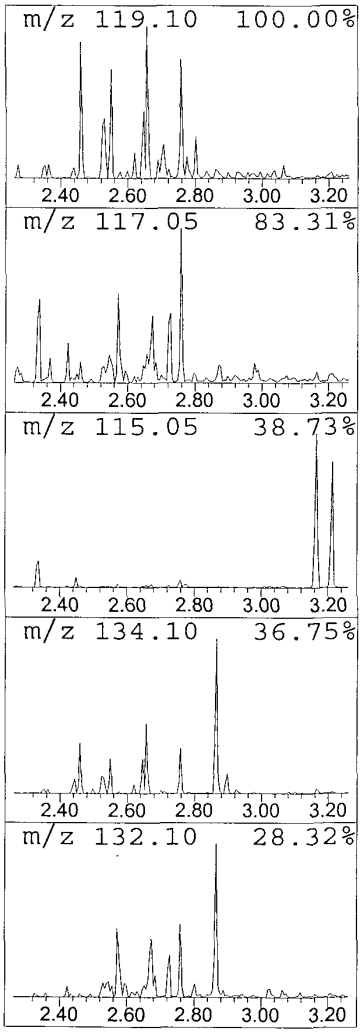
****

Peak Number 5 Substituted benzene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	4.26 UG	355098	Naphthalene-d8	2.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	55
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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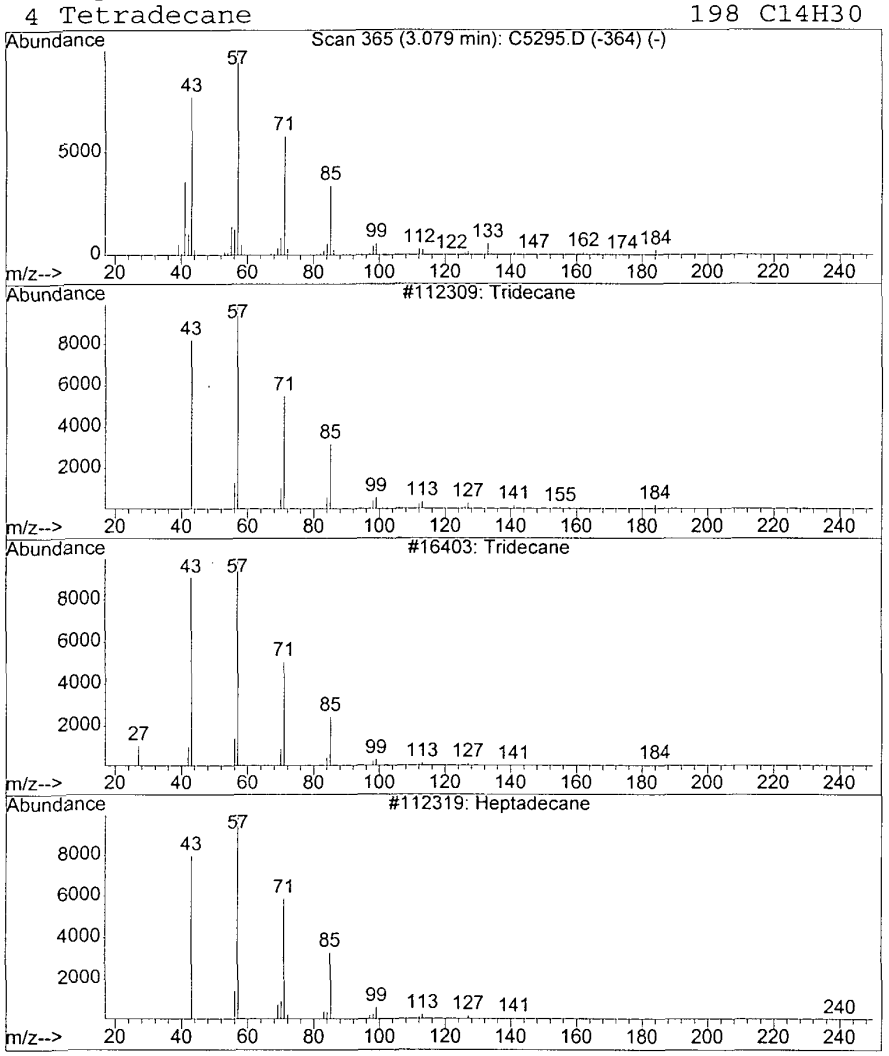
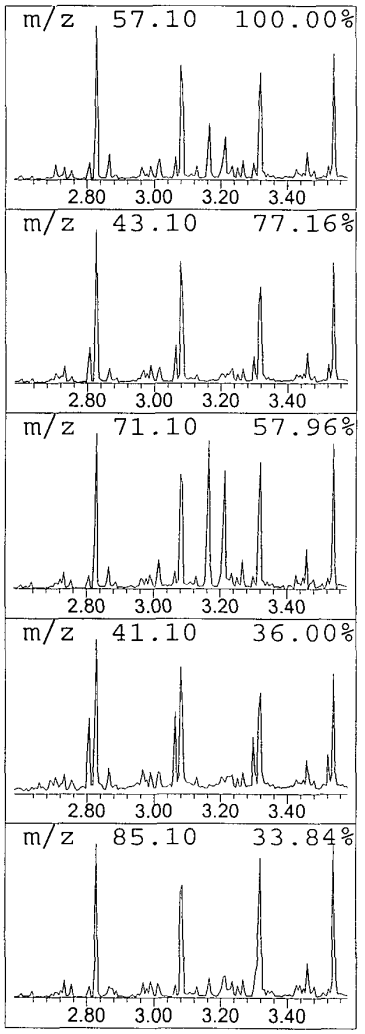
Peak Number 6 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.08	7.99 UG	666738	Naphthalene-d8	2.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tridecane	184	C13H28	000629-50-5	94
3	Heptadecane	240	C17H36	000629-78-7	90
4	Tetradecane	198	C14H30	000629-59-4	90





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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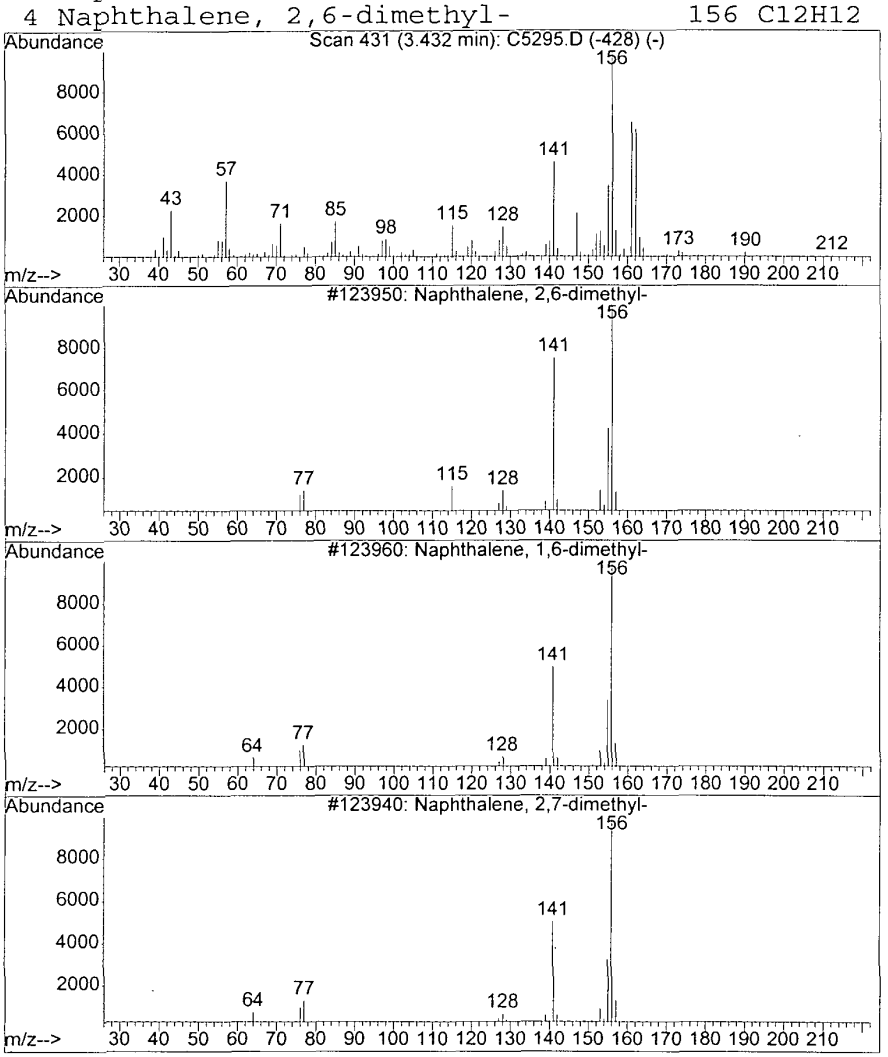
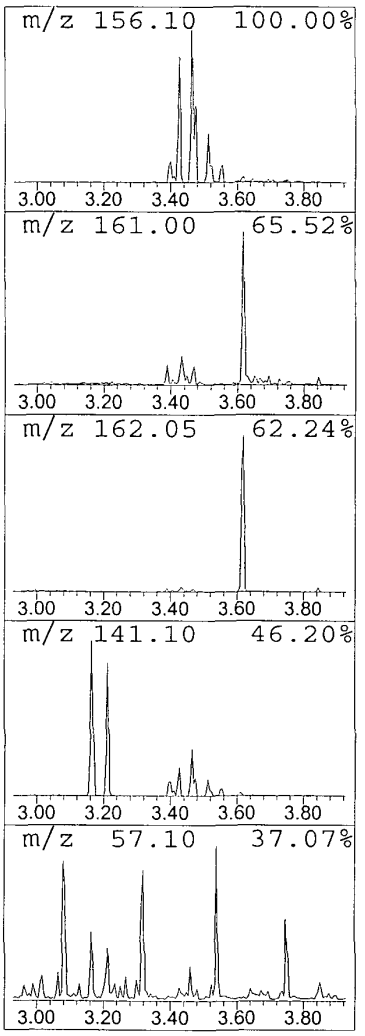
Peak Number 7 Substituted naphthalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.43	32.76 UG	1379930	Acenaphthene-d10	3.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





301534

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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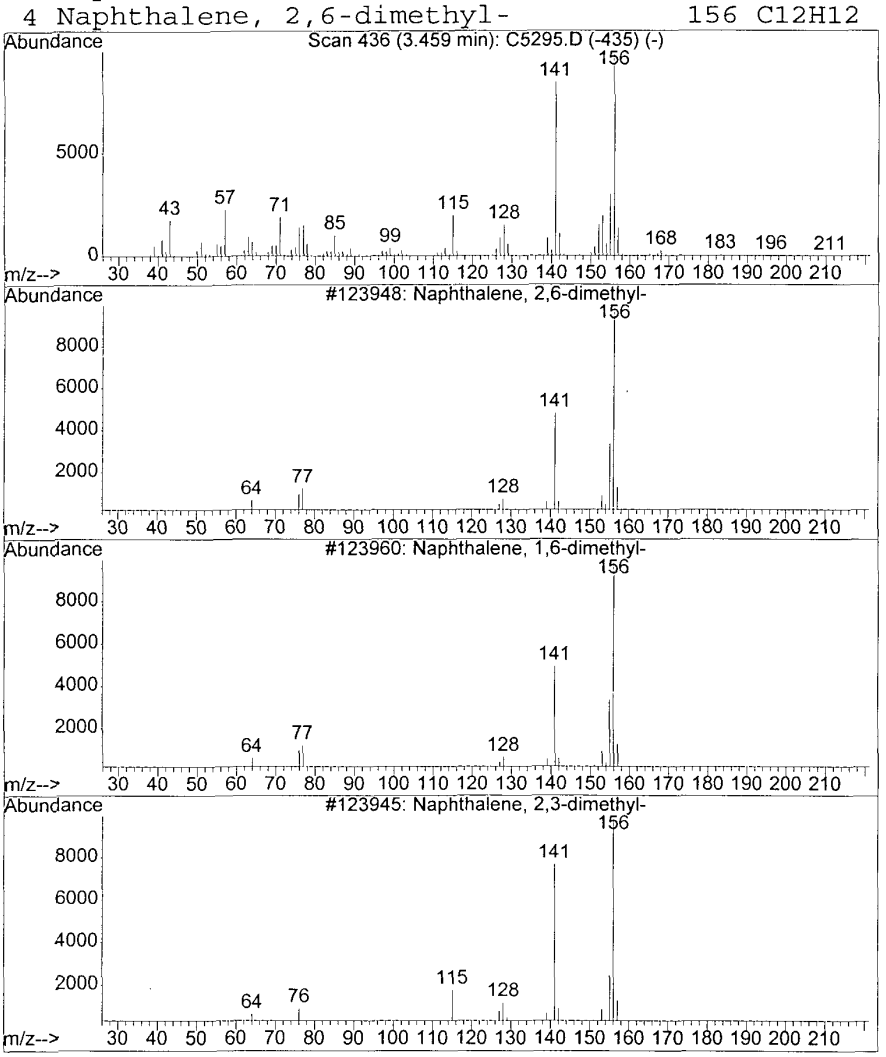
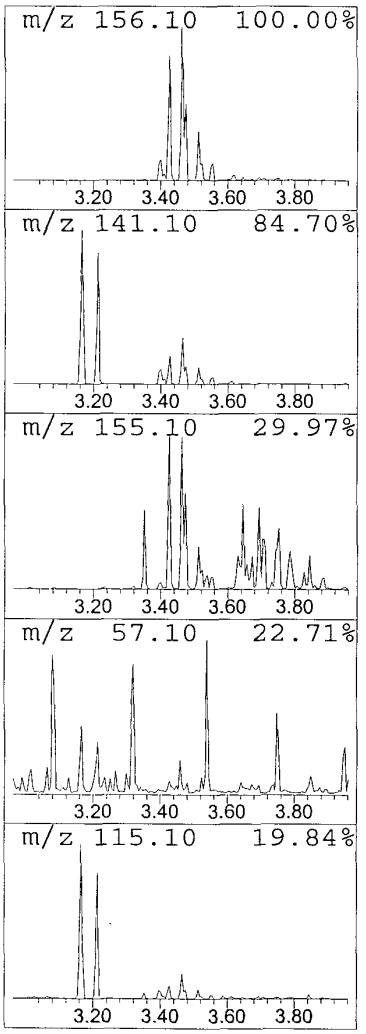
Peak Number 8 Substituted naphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	64.27 UG	2706830	Acenaphthene-d10	3.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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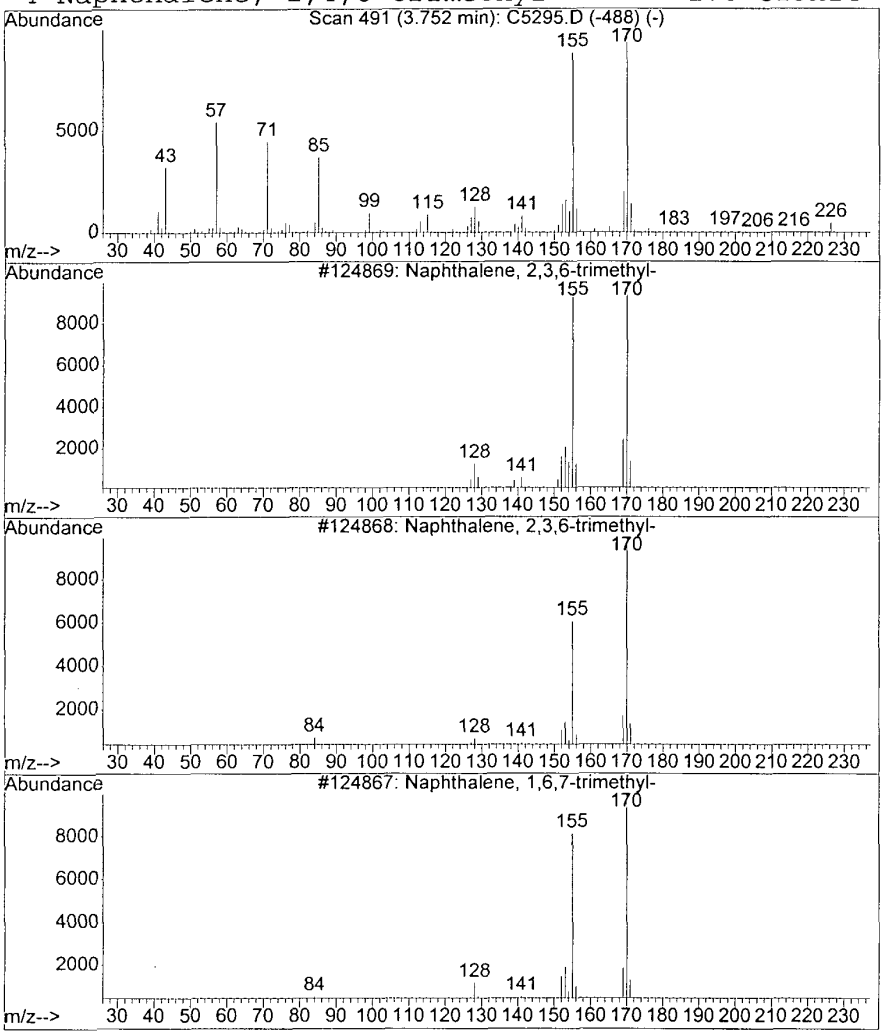
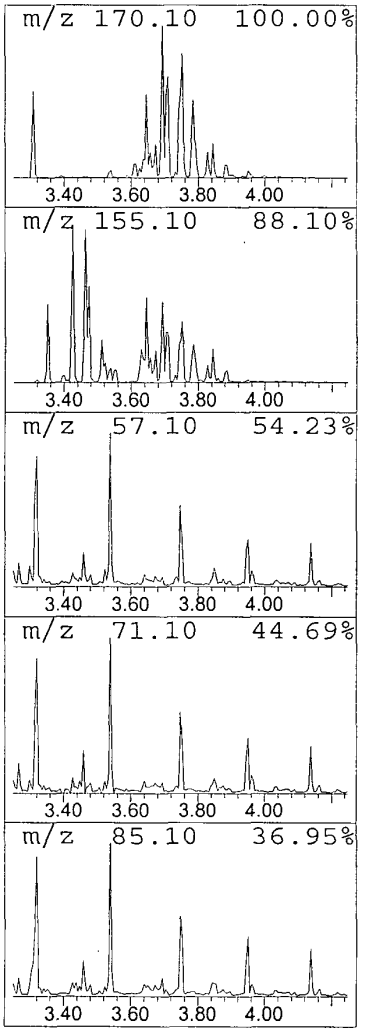
Peak Number 9 Substituted naphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	16.32 UG	687278	Acenaphthene-d10	3.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	46





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5295.D Vial: 41
Acq On : 21 Feb 2003 16:09 Operator: CH
Sample : SB-W13-12/12-1,01235-005,S,10.05g,16.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,3 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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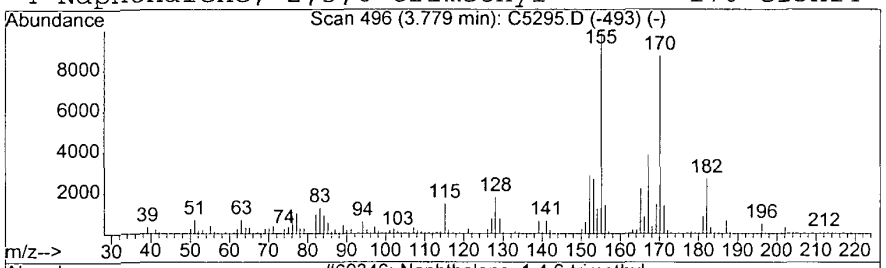
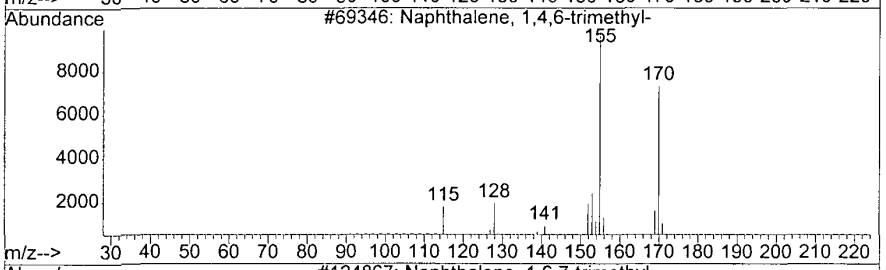
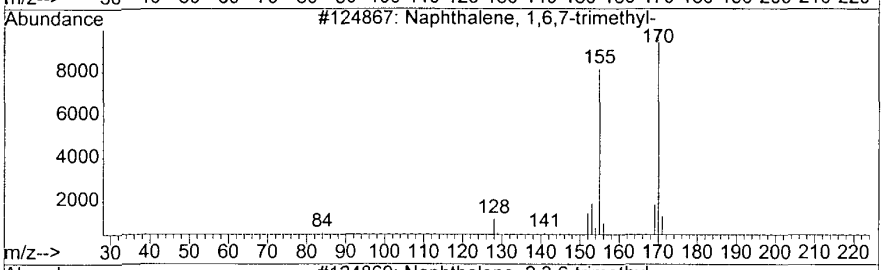
Peak Number 10 Substituted naphthalene Concentration Rank 4

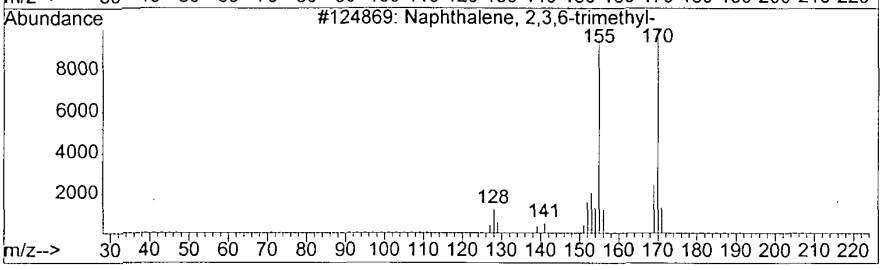
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	9.22 UG	388244	Acenaphthene-d10	3.62

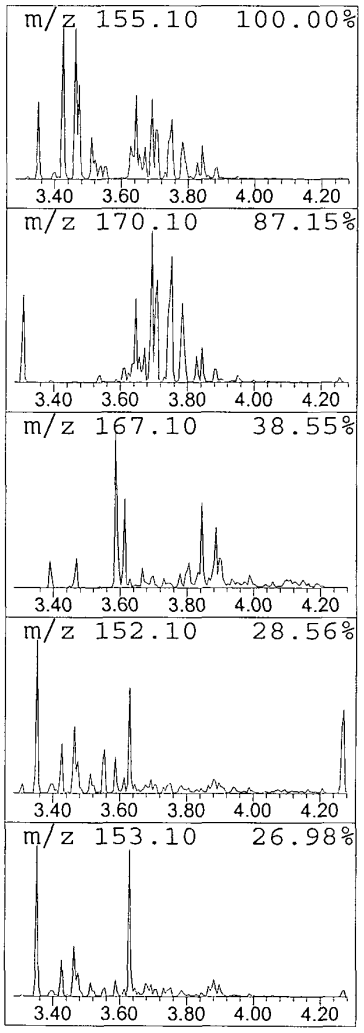
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96











8279

301537

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5290.D Vial: 42
Acq On : 21 Feb 2003 14:52 Operator: CH
Sample : SB-W13-19/19-19.,01235-006,S,10.41g,19.0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:02:13 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.34	152	180018	40.00	UG	0.00
23) Naphthalene-d8	2.87	136	666723	40.00	UG	0.00
43) Acenaphthene-d10	3.61	164	292764	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	389553	40.00	UG	-0.02
82) Chrysene-d12	6.02	240	197365	40.00	UG	-0.03
92) Perylene-d12	7.27	264	183818	40.00	UG	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	1.83	112	423301	73.97	UG	0.01
Spiked Amount 100.000	Range 36 - 108		Recovery = 73.97%			
6) Phenol-d5	2.17	99	528877	74.99	UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 74.99%			
24) Nitrobenzene-d5	2.56	82	193969	34.86	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 69.72%			
47) 2-Fluorobiphenyl	3.31	172	409291	49.34	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 98.68%			
70) 2,4,6-Tribromophenol	3.96	330	79713	78.43	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 78.43%			
84) Terphenyl-d14	5.13	244	257523	57.84	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 115.68%			

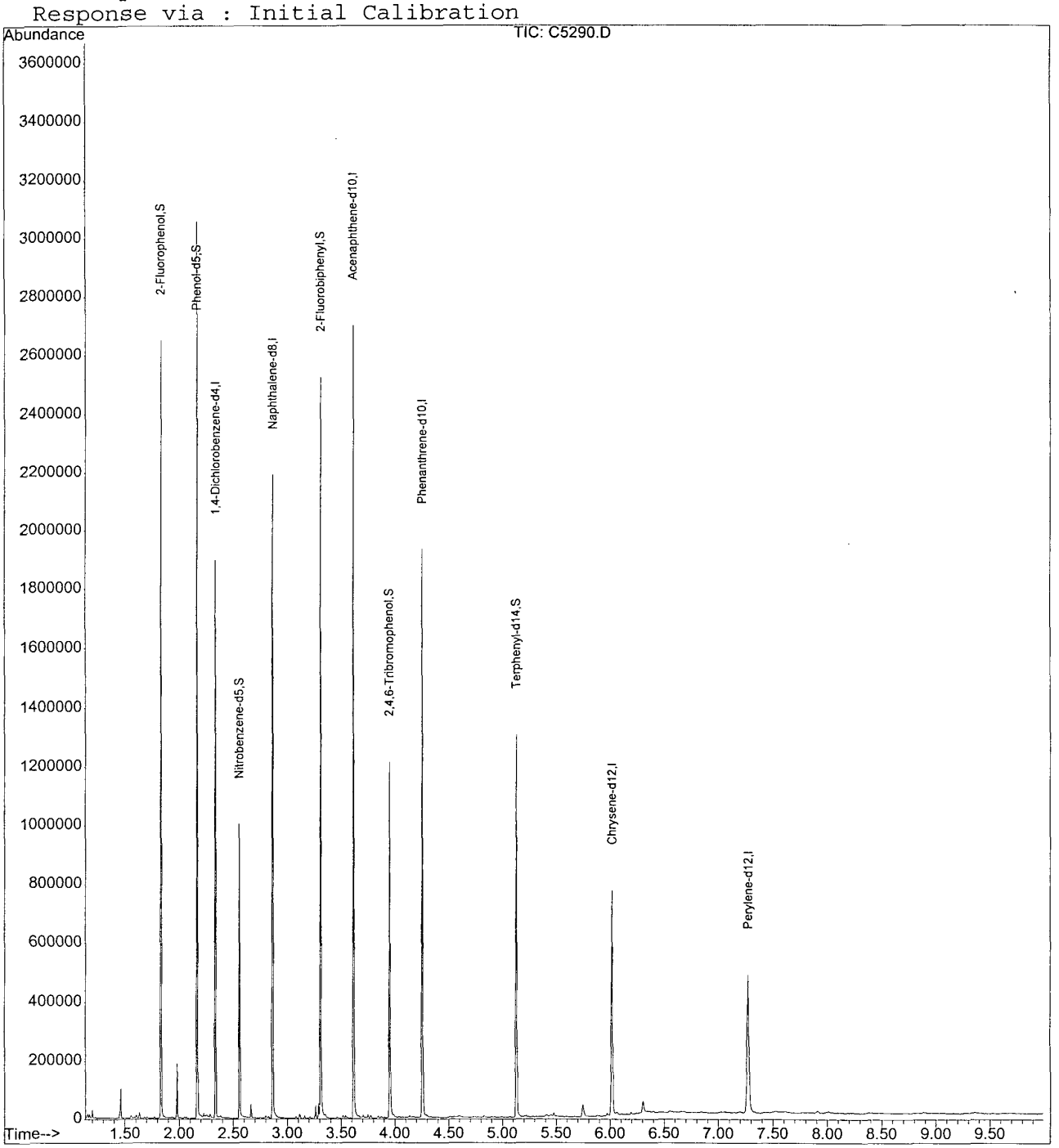
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5290.D Vial: 42
Acq On : 21 Feb 2003 14:52 Operator: CH
Sample : SB-W13-19/19-19.,01235-006,S,10.41g,19.0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:41 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0281

301539

Library Search Compound Report

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Data File : C:\MSDCHEM\1\DATA\02-21-03\C5290.D          Vial: 42
Acq On    : 21 Feb 2003  14:52                       Operator: CH
Sample    : SB-W13-19/19-19.,01235-006,S,10.41g,19.0 Inst    : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
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No Library Search Compounds Detected

****

C5290.D CS0203.M Fri Feb 21 15:41:33 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:17:38 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	158928	40.00 UG	0.00
23) Naphthalene-d8	2.87	136	626468	40.00 UG	0.00
43) Acenaphthene-d10	3.61	164	282587	40.00 UG	-0.02
66) Phenanthrene-d10	4.25	188	398272	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	247506	40.00 UG	-0.03
92) Perylene-d12	7.29	264	227271	40.00 UG	-0.03
System Monitoring Compounds					
4) 2-Fluorophenol	1.83	112	370133	73.26 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 73.26%		
6) Phenol-d5	2.17	99	542343	87.11 UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 87.11%		
24) Nitrobenzene-d5	2.56	82	188316	36.02 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 72.04%		
47) 2-Fluorobiphenyl	3.31	172	453713	56.66 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 113.32%		
70) 2,4,6-Tribromophenol	3.96	330	89932	86.55 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 86.55%		
84) Terphenyl-d14	5.13	244	281072	50.34 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 100.68%		

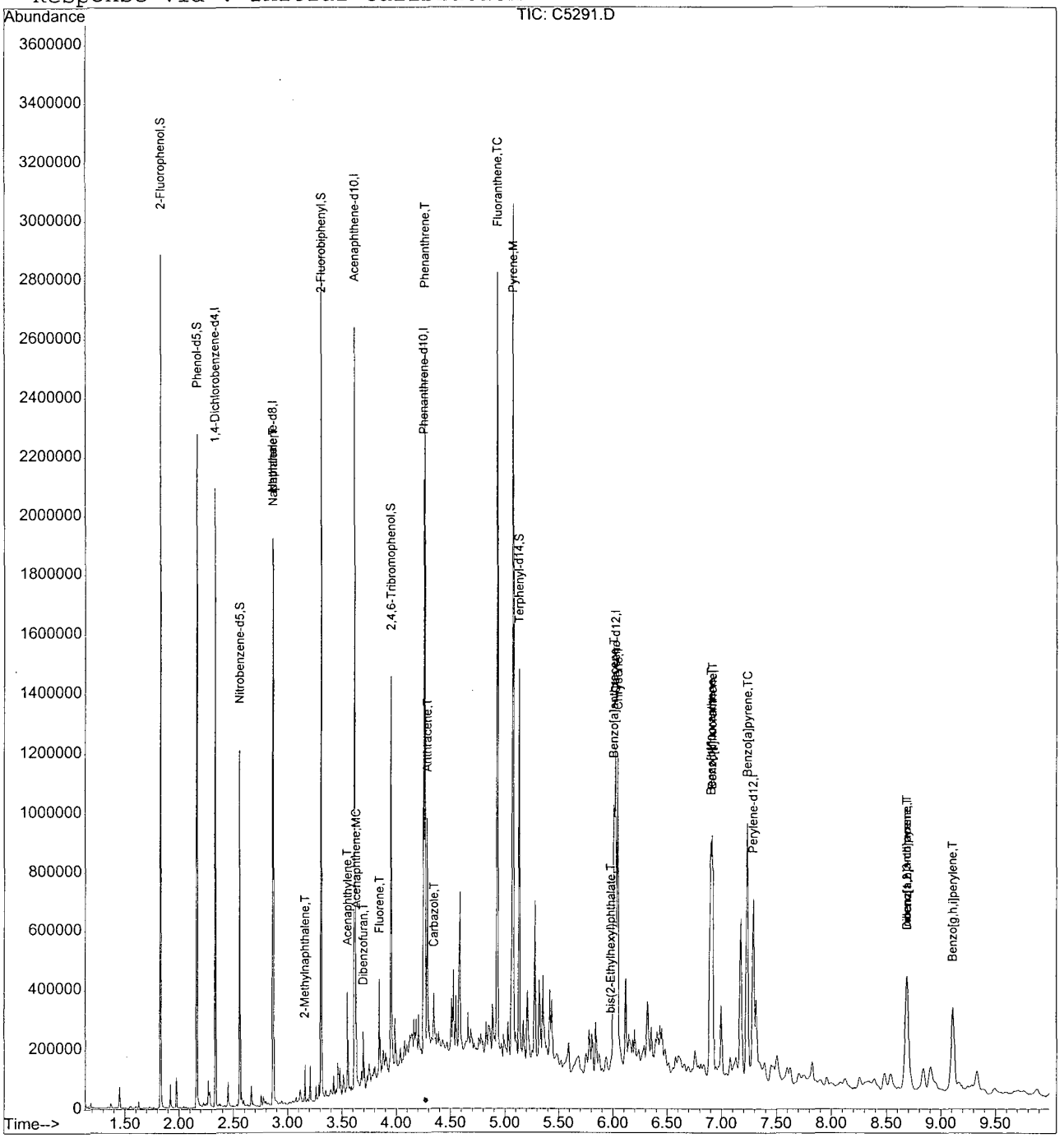
Target Compounds						Qvalue
34) Naphthalene	2.87	128	39317	2.86 UG	#	100
41) 2-Methylnaphthalene	3.16	142	15955	1.72 UG	#	100
53) Acenaphthylene	3.55	152	71228	6.15 UG		98
55) Acenaphthene	3.63	153	56081	7.81 UG		96
59) Dibenzofuran	3.69	168	28436	2.87 UG	#	79
61) Fluorene	3.84	166	54445	6.77 UG		91
75) Phenanthrene	4.27	178	418324	46.84 UG		99
76) Anthracene	4.29	178	160927	17.48 UG		97
77) Carbazole	4.35	167	42846	5.58 UG		97
79) Fluoranthene	4.93	202	763465	101.67 UG		97
83) Pyrene	5.08	202	805742	99.14 UG		95
88) Benzo[a]anthracene	6.01	228	290186	50.12 UG	#	89
89) Chrysene	6.04	228	303008	54.61 UG		95
90) bis(2-Ethylhexyl)phthalate	5.97	149	5974	1.13 UG	#	88
94) Benzo[b]fluoranthene	6.90	252	356181m	50.68 UG		
95) Benzo[k]fluoranthene	6.92	252	214104m	33.51 UG		
96) Benzo[a]pyrene	7.24	252	339465	55.58 UG	#	92
97) Indeno[1,2,3-cd]pyrene	8.69	276	239260m	33.10 UG		
98) Dibenz[a,h]anthracene	8.68	278	77393m	14.20 UG		
99) Benzo[g,h,i]perylene	9.11	276	201491	32.62 UG	#	56

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:49 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0284

301542

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.450	57	60	63	rBV3	70685	39809	1.80%	0.125%
2	1.829	128	131	133	rBV	2879141	1138420	51.59%	3.573%
3	1.920	146	148	150	rBV	81037	38581	1.75%	0.121%
4	1.973	156	158	161	rBV	101951	56589	2.56%	0.178%
5	2.166	191	194	196	rBV	2274315	1302687	59.04%	4.089%
6	2.267	212	213	214	rBV	85748	37972	1.72%	0.119%
7	2.283	214	216	223	rVB2	53375	38577	1.75%	0.121%
8	2.331	223	225	228	rBV	2086258	944050	42.78%	2.963%
9	2.449	243	247	249	rBV	84400	45380	2.06%	0.142%
10	2.556	265	267	269	rBV	1190847	534578	24.23%	1.678%
11	2.663	285	287	289	rBV3	69374	42989	1.95%	0.135%
12	2.860	322	324	327	rBV	1911286	1315821	59.63%	4.130%
13	3.117	369	372	375	rVB3	42106	38451	1.74%	0.121%
14	3.159	378	380	382	rVB	126012	52163	2.36%	0.164%
15	3.208	387	389	390	rBV	122584	56095	2.54%	0.176%
16	3.309	405	408	410	rBV	2957862	1264070	57.29%	3.968%
17	3.459	434	436	439	rVV	103789	79496	3.60%	0.250%
18	3.480	439	440	443	rVB	91966	50061	2.27%	0.157%
19	3.512	443	446	449	rBV3	71549	59207	2.68%	0.186%
20	3.549	451	453	456	rVB	327981	150602	6.82%	0.473%
21	3.614	463	465	470	rBV2	2565036	1434080	64.99%	4.501%
22	3.694	478	480	481	rBV	167034	70005	3.17%	0.220%
23	3.747	488	490	493	rVB3	64619	54451	2.47%	0.171%
24	3.843	505	508	511	rBV	318712	180169	8.16%	0.566%
25	3.875	513	514	517	rBV2	67867	50751	2.30%	0.159%
26	3.950	524	528	531	rBV2	1335375	824369	37.36%	2.588%
27	3.988	533	535	540	rVB2	164034	94736	4.29%	0.297%
28	4.073	549	551	553	rBV	66490	50565	2.29%	0.159%
29	4.126	558	561	562	rVV3	62253	61395	2.78%	0.193%
30	4.164	566	568	569	rVV	97246	55576	2.52%	0.174%
31	4.185	571	572	574	rVB	104332	40476	1.83%	0.127%

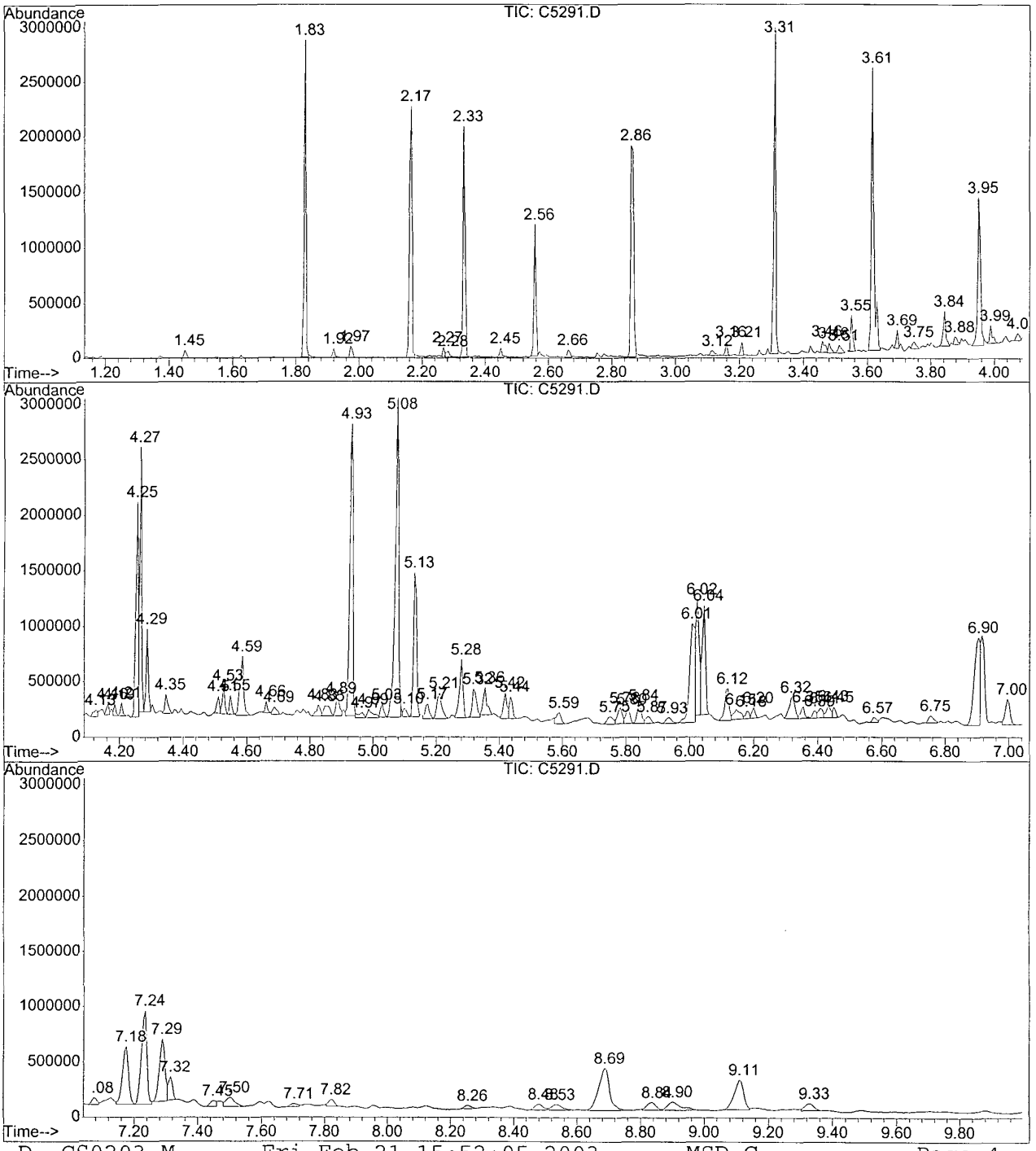
32	4.207	574	576	579	rVB	121039	56656	2.57%	0.178%
33	4.255	582	585	586	rBV	1936905	1123267	50.90%	3.526%
34	4.265	586	587	589	rVB	2382943	856305	38.81%	2.688%
35	4.287	589	591	593	rBV	748047	345704	15.67%	1.085%
36	4.345	600	602	606	rVB2	173987	114038	5.17%	0.358%
37	4.511	630	633	634	rBV	151750	87353	3.96%	0.274%
38	4.527	634	636	638	rVB	258464	133101	6.03%	0.418%
39	4.548	638	640	642	rVV	170909	84544	3.83%	0.265%
40	4.586	643	647	652	rVB2	533733	437408	19.82%	1.373%
41	4.661	659	661	663	rVV	105090	48991	2.22%	0.154%
42	4.687	664	666	669	rVB3	69053	60890	2.76%	0.191%
43	4.826	688	692	694	rBV2	105560	93950	4.26%	0.295%
44	4.848	694	696	701	rVV2	92415	132851	6.02%	0.417%
45	4.885	701	703	706	rVV	162035	144668	6.56%	0.454%
46	4.933	708	712	714	rVV	2634286	1850489	83.86%	5.808%
47	4.965	714	718	720	rVB2	48729	53903	2.44%	0.169%
48	4.987	720	722	728	rBV2	79018	98106	4.45%	0.308%
49	5.029	728	730	733	rVB2	114794	82519	3.74%	0.259%
50	5.077	733	739	741	rBV	2880951	2206629	100.00%	6.926%
51	5.099	742	743	746	rVB2	75751	51652	2.34%	0.162%
52	5.131	746	749	752	rBV	1296896	901336	40.85%	2.829%
53	5.173	754	757	760	rVB	132406	119599	5.42%	0.375%
54	5.211	760	764	769	rBV3	231631	250817	11.37%	0.787%
55	5.280	773	777	780	rVB	527008	395373	17.92%	1.241%
56	5.318	781	784	788	rBV2	255309	243675	11.04%	0.765%
57	5.355	788	791	795	rVB3	247188	204081	9.25%	0.641%
58	5.419	800	803	805	rVV	233708	198722	9.01%	0.624%
59	5.435	805	806	810	rVB	200700	121586	5.51%	0.382%
60	5.590	832	835	838	rVB2	100199	101183	4.59%	0.318%
61	5.750	861	865	868	rBV5	66171	93445	4.23%	0.293%
62	5.783	868	871	873	rVV2	144792	146160	6.62%	0.459%
63	5.804	873	875	879	rVV	130225	122736	5.56%	0.385%
64	5.841	879	882	885	rVV	165765	161493	7.32%	0.507%
65	5.868	885	887	891	rVB	59307	63493	2.88%	0.199%
66	5.932	896	899	904	rBV2	50247	65811	2.98%	0.207%
67	6.007	905	913	915	rBV2	897875	1190827	53.97%	3.738%
68	6.023	915	916	918	rVV	1046378	690487	31.29%	2.167%
69	6.044	918	920	923	rVB	983277	692405	31.38%	2.173%
70	6.119	929	934	936	rBV	290314	283683	12.86%	0.890%
71	6.146	936	939	943	rVV4	92155	132034	5.98%	0.414%
72	6.178	943	945	947	rVV	67266	55400	2.51%	0.174%
73	6.199	947	949	952	rVB	93034	64703	2.93%	0.203%
74	6.317	967	971	975	rBV	190873	245986	11.15%	0.772%
75	6.354	975	978	982	rVB3	105514	85657	3.88%	0.269%
76	6.392	982	985	986	rBV2	66948	61335	2.78%	0.193%
77	6.408	986	988	990	rVV2	86886	84349	3.82%	0.265%
78	6.434	990	993	995	rVV2	105580	113007	5.12%	0.355%
79	6.450	995	996	999	rVB	95218	51361	2.33%	0.161%
80	6.573	1017	1019	1022	rBV2	43603	46772	2.12%	0.147%
81	6.755	1050	1053	1057	rBV	64967	74788	3.39%	0.235%

82	6.904	1074	1081	1082	rBV	791764	1092942	49.53%	3.431%
83	6.995	1095	1098	1104	rVB	232592	235069	10.65%	0.738%
84	7.075	1110	1113	1116	rBV2	61713	68443	3.10%	0.215%
85	7.177	1126	1132	1137	rVB	525560	681027	30.86%	2.138%
86	7.236	1137	1143	1147	rBV	848500	1019622	46.21%	3.200%
87	7.289	1148	1153	1156	rVV	565063	704970	31.95%	2.213%
88	7.316	1156	1158	1161	rVB	208336	179249	8.12%	0.563%
89	7.449	1179	1183	1185	rBV3	53672	74312	3.37%	0.233%
90	7.503	1189	1193	1201	rVB2	84932	159738	7.24%	0.501%
91	7.706	1227	1231	1234	rBV2	28686	46771	2.12%	0.147%
92	7.823	1250	1253	1258	rVB3	63734	80040	3.63%	0.251%
93	8.256	1330	1334	1339	rBV4	29248	46953	2.13%	0.147%
94	8.480	1371	1376	1381	rBV2	52710	95537	4.33%	0.300%
95	8.534	1382	1386	1397	rVB4	50052	113424	5.14%	0.356%
96	8.689	1405	1415	1432	rVB2	380564	910639	41.27%	2.858%
97	8.838	1437	1443	1449	rVV	69316	141916	6.43%	0.445%
98	8.902	1449	1455	1471	rVB4	75643	220134	9.98%	0.691%
99	9.111	1485	1494	1500	rBV	266827	539261	24.44%	1.693%
100	9.330	1530	1535	1542	rVB	63084	121295	5.50%	0.381%

Sum of corrected areas: 31858841

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D
Operator : CH
Acquired : 21 Feb 2003 15:07 using AcqMethod CS0203
Instrument : MSD_C
Sample Name: SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0
Misc Info : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1
Vial Number: 43
Quant File :CS0203.RES (RTE Integrator)



0288

301546

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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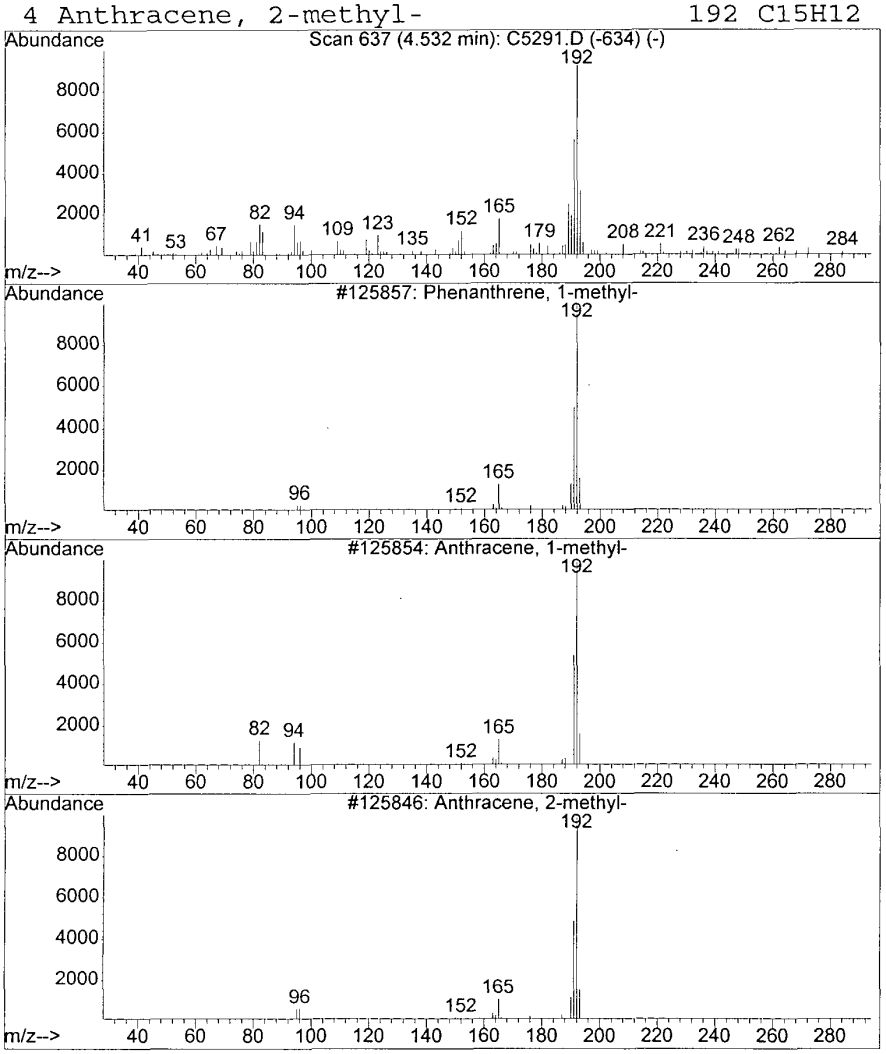
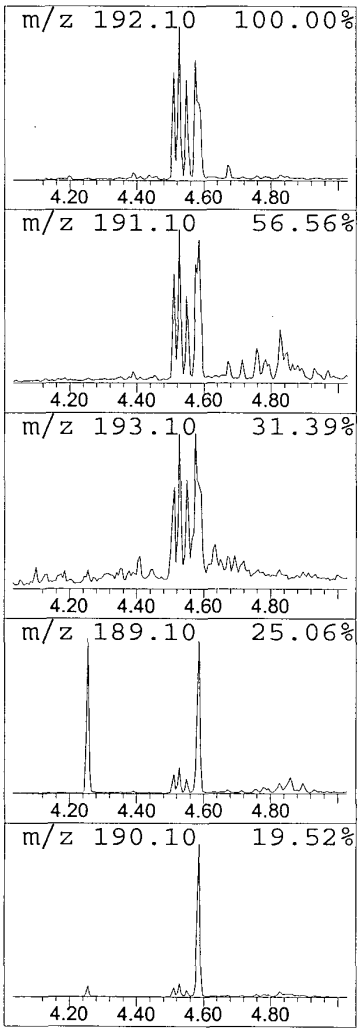
Peak Number 1 Unknown aromatic Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	4.74 UG	133101	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





0289

301547

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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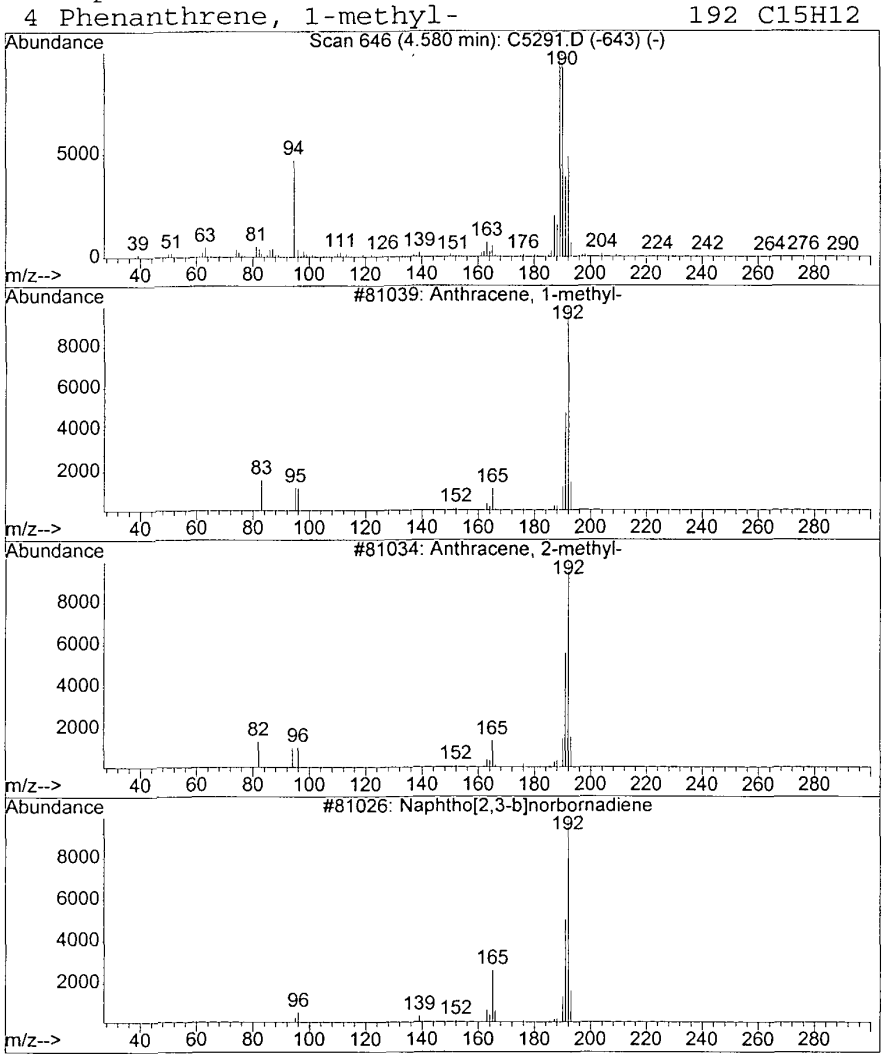
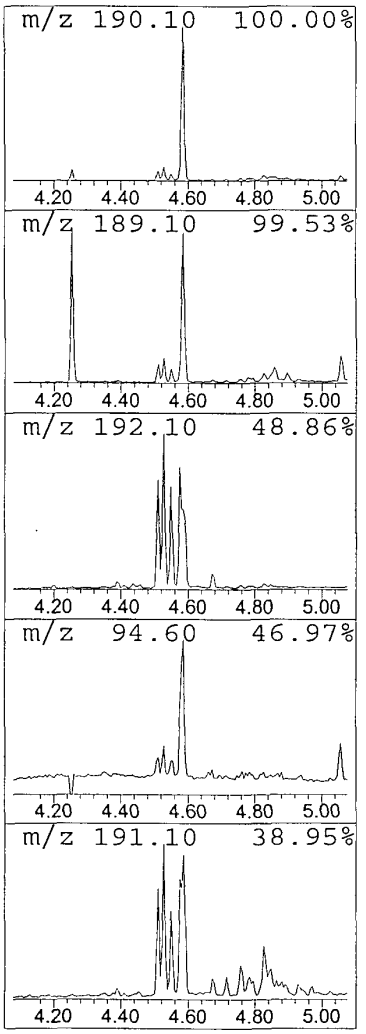
Peak Number 2 Unknown aromatic Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	4.72 UG	132524	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Naphtho[2,3-b]norbornadiene	192	C15H12	1000210-52-3	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





0290

301548

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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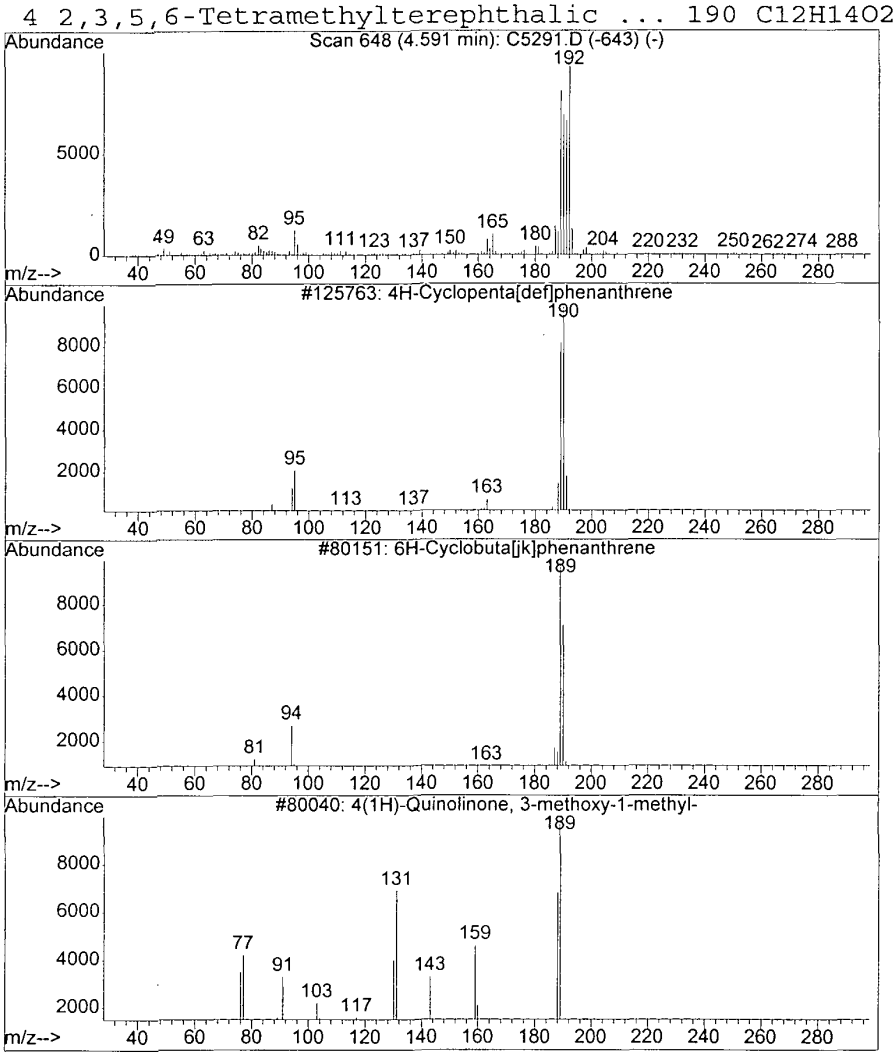
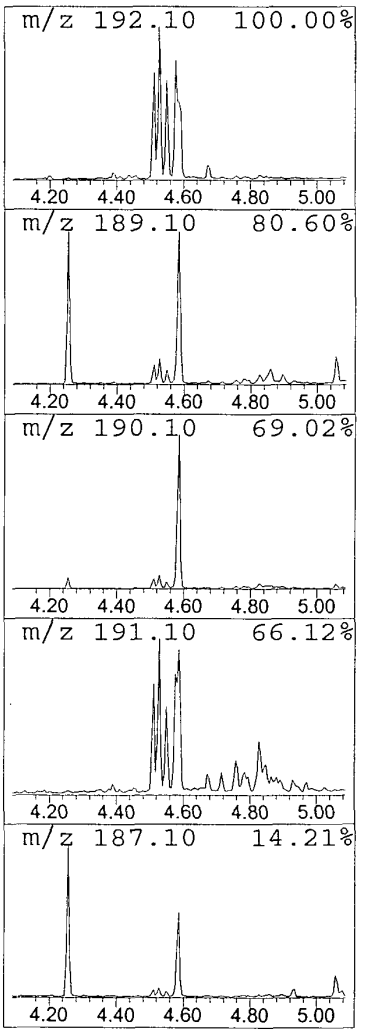
Peak Number 3 Unknown aromatic Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	10.86 UG	304882	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4(1H)-Quinolinone, 3-methoxy-1-m...	189	C11H11NO2	052381-20-1	25
4	2,3,5,6-Tetramethylterephthalic ...	190	C12H14O2	1000223-35-6	22





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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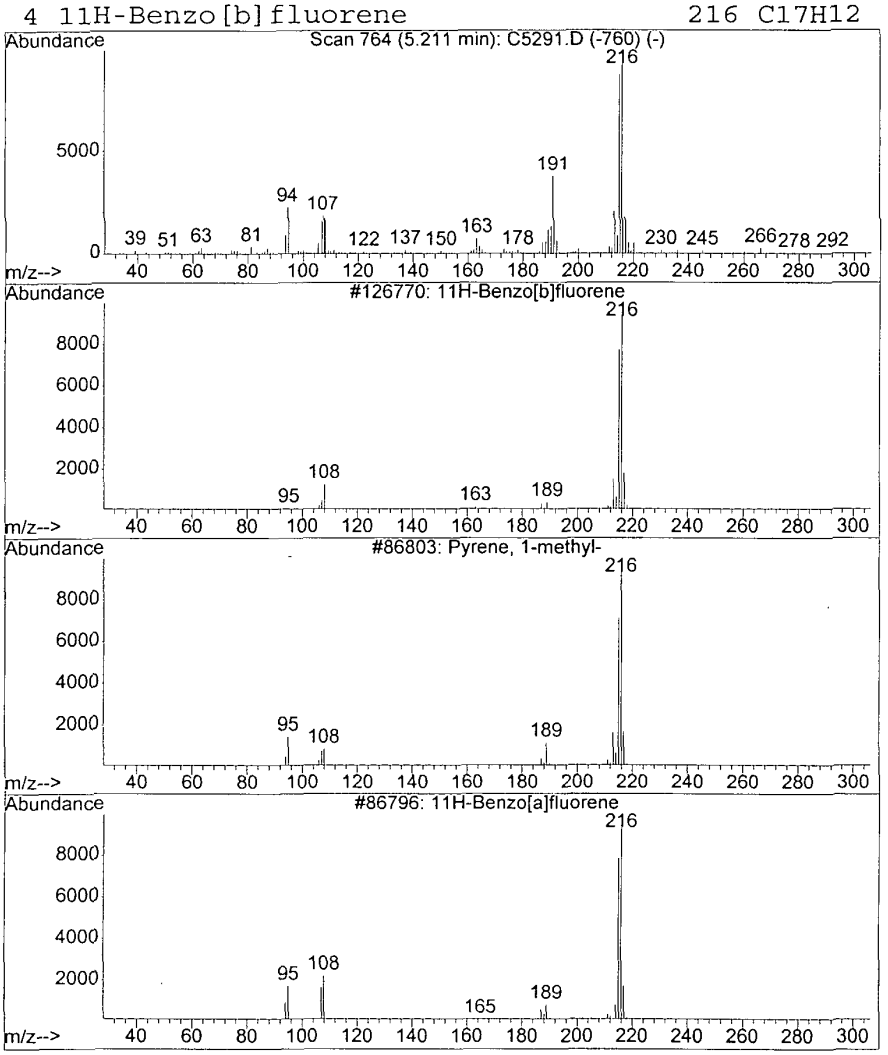
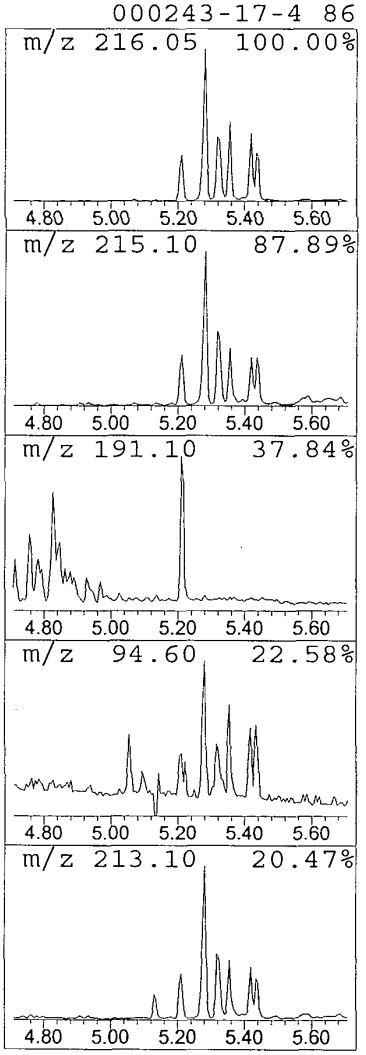
Peak Number 4 Unknown aromatic Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	7.88 UG	136108	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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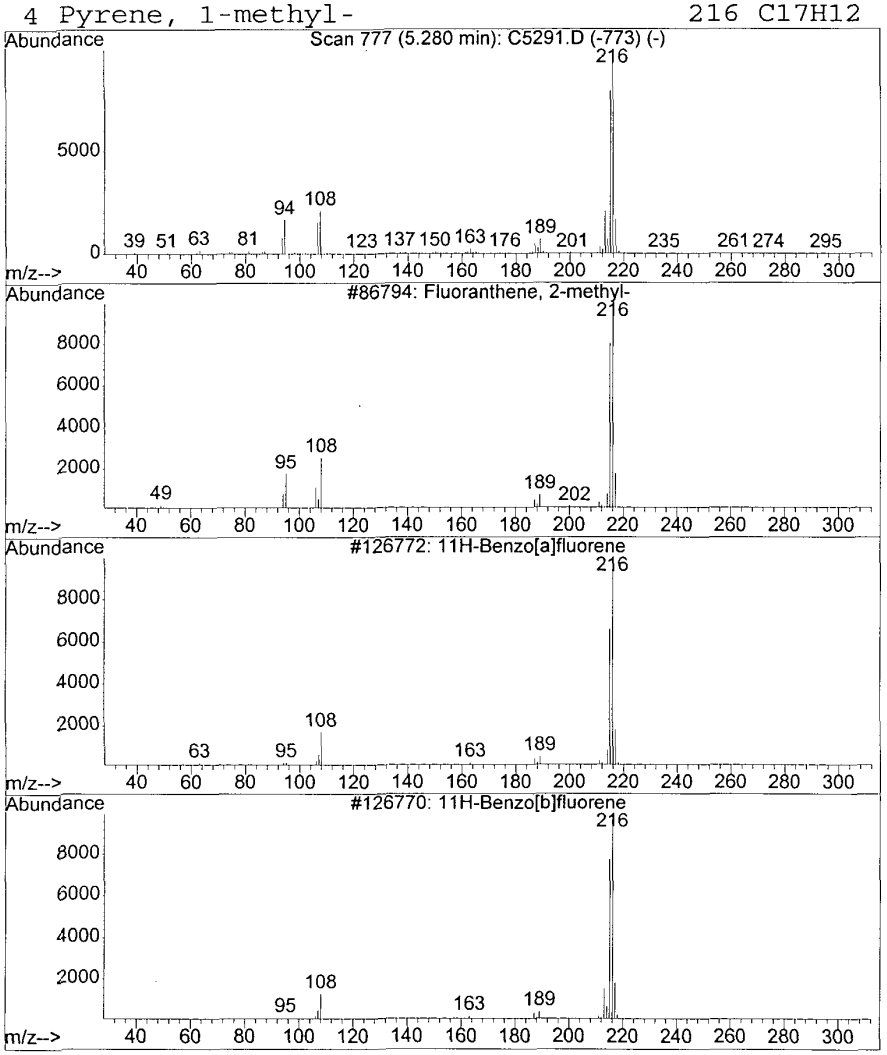
Peak Number 5 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	22.90 UG	395373	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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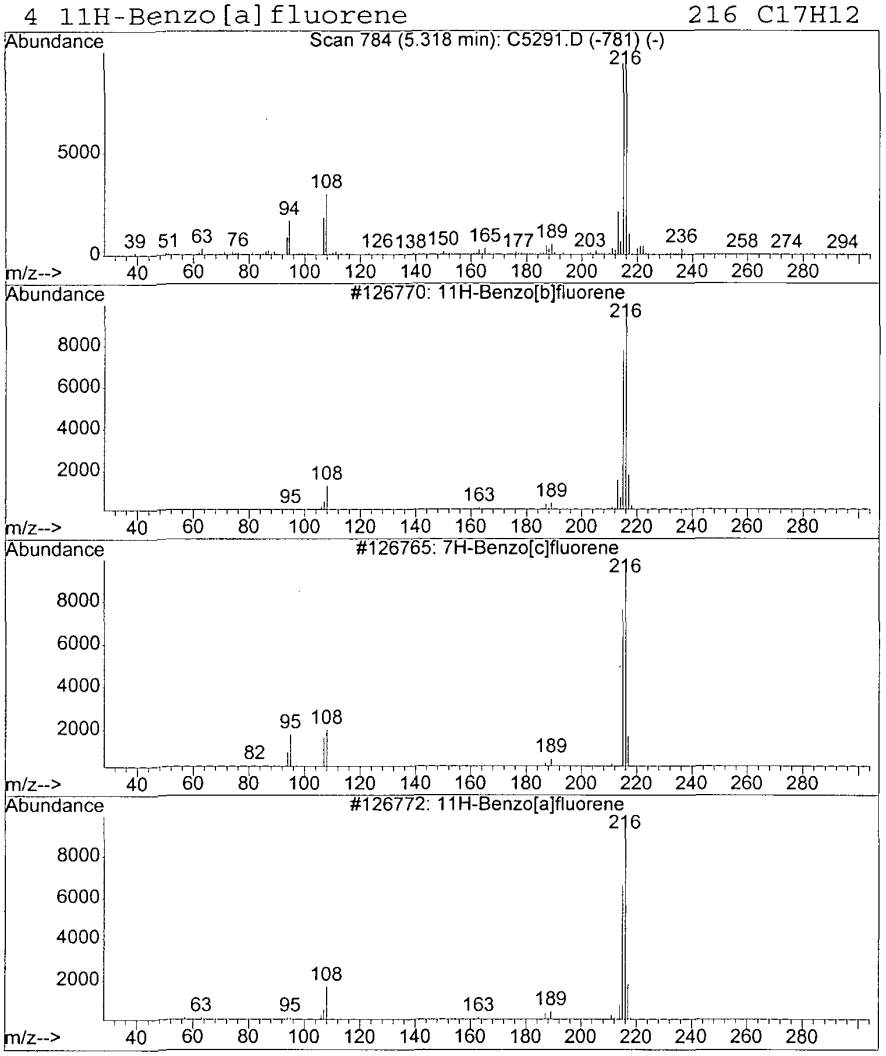
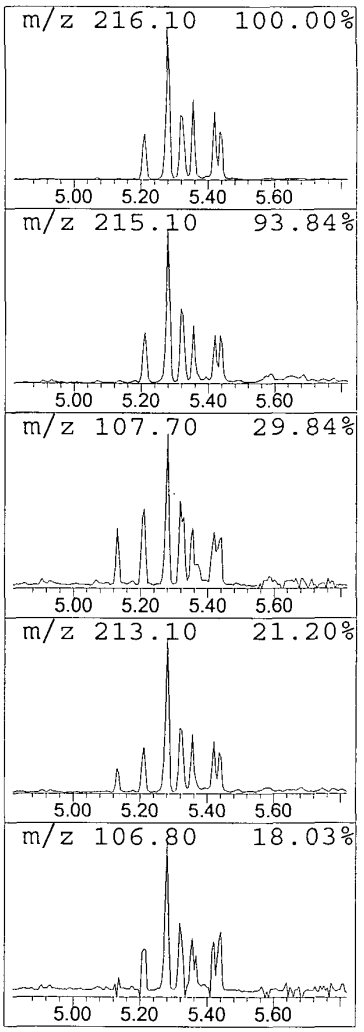
Peak Number 6 Unknown aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	12.63 UG	217981	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58





0294

301552

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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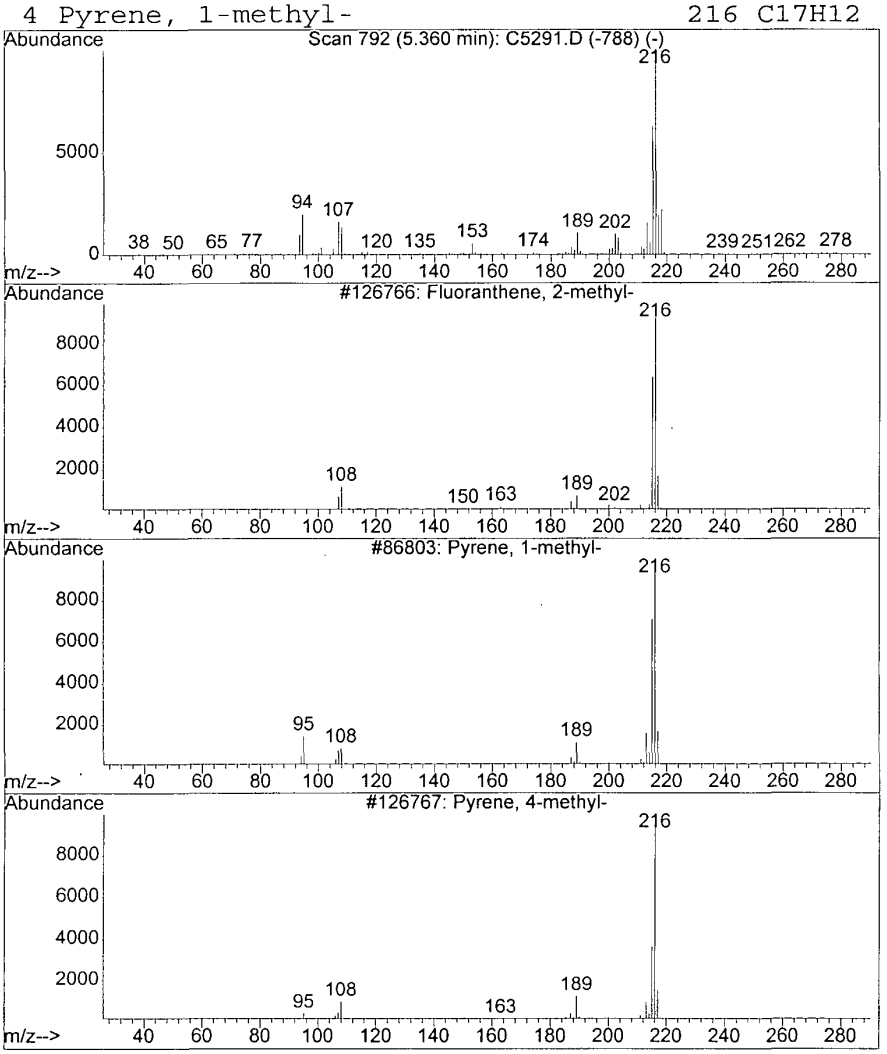
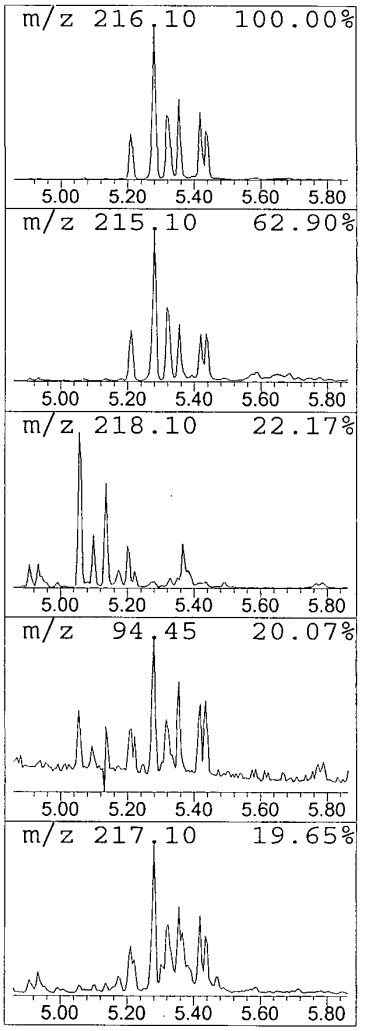
Peak Number 7 Unknown aromatic Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	8.01 UG	138267	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





0295

301553

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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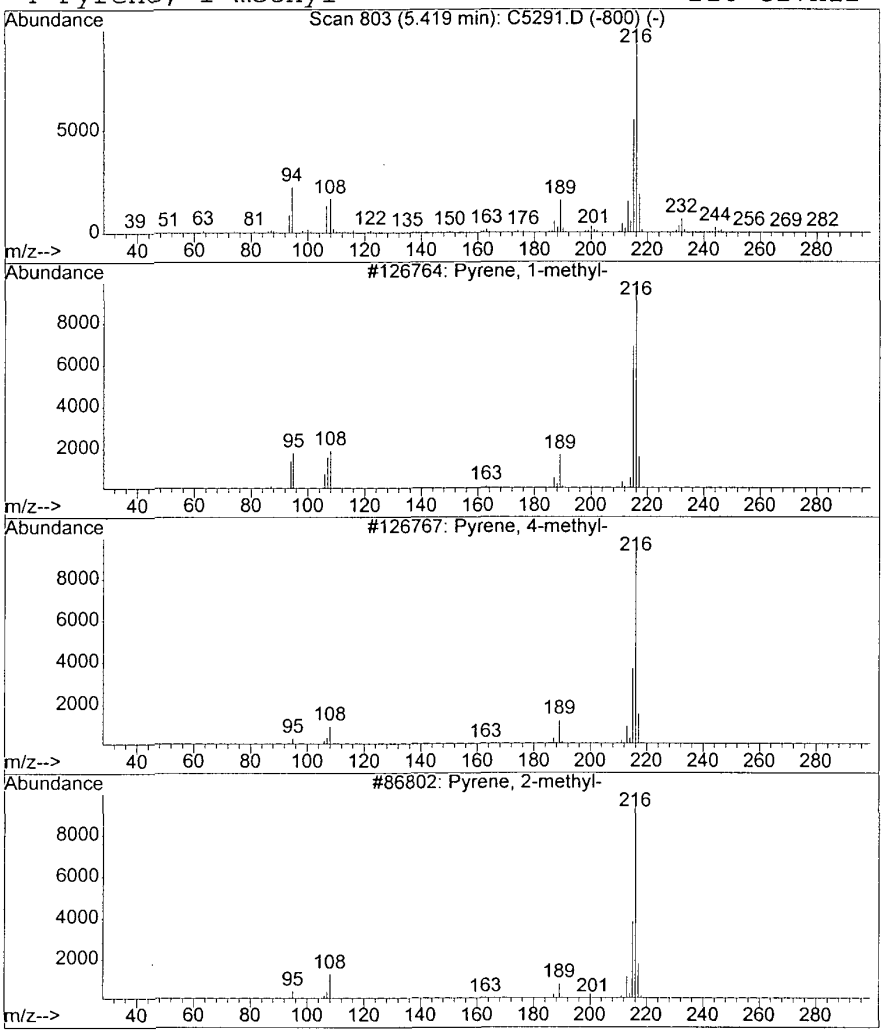
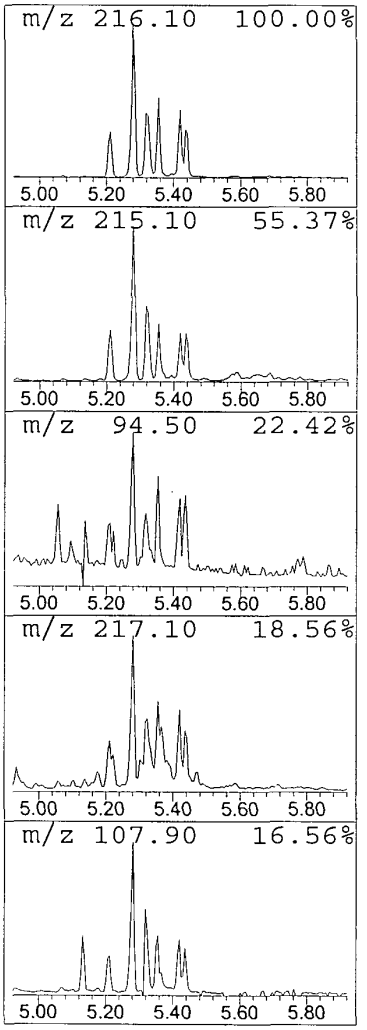
Peak Number 8 Unknown aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.42	11.51 UG	198722	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95





0296

301554

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5291.D Vial: 43
Acq On : 21 Feb 2003 15:07 Operator: CH
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Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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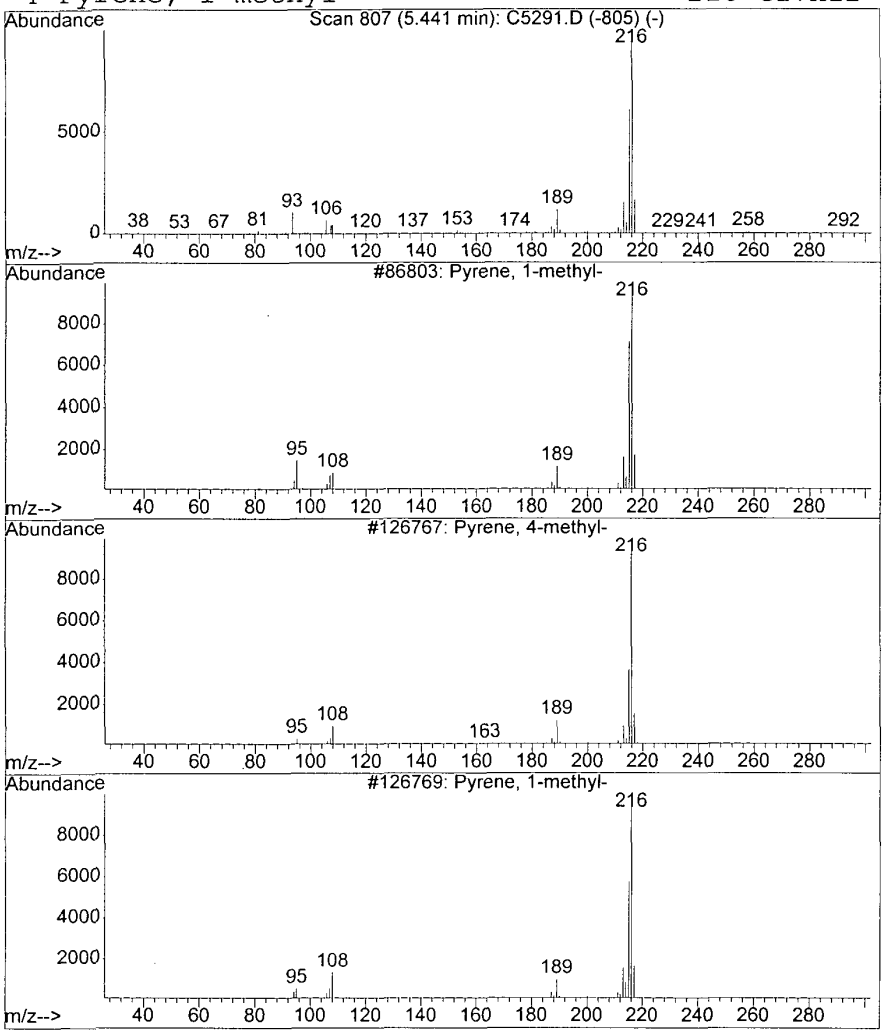
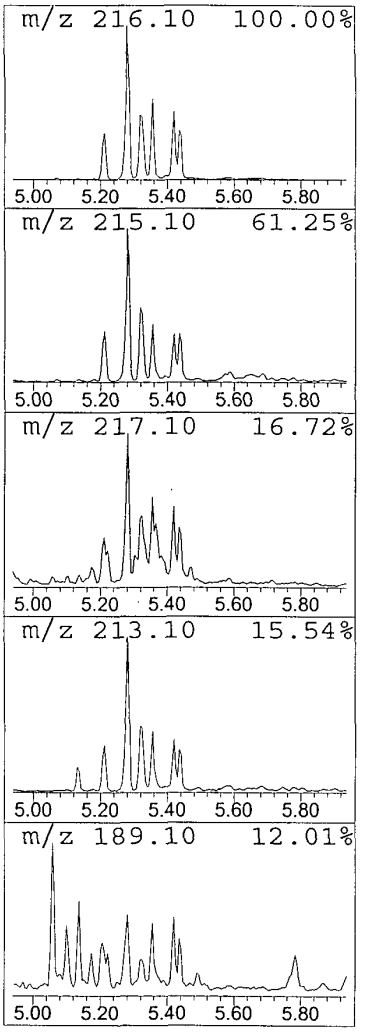
Peak Number 9 Unknown aromatic Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	7.04 UG	121586	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95





0297

301555

Library Search Compound Report

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Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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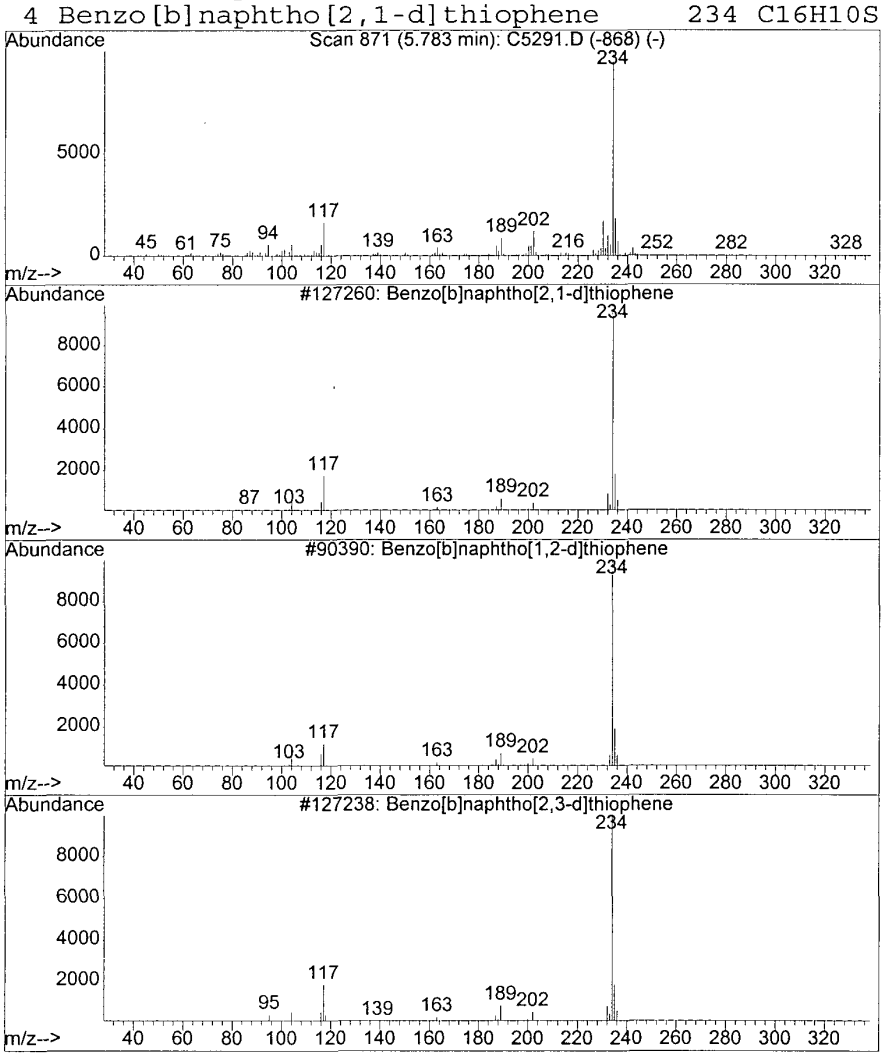
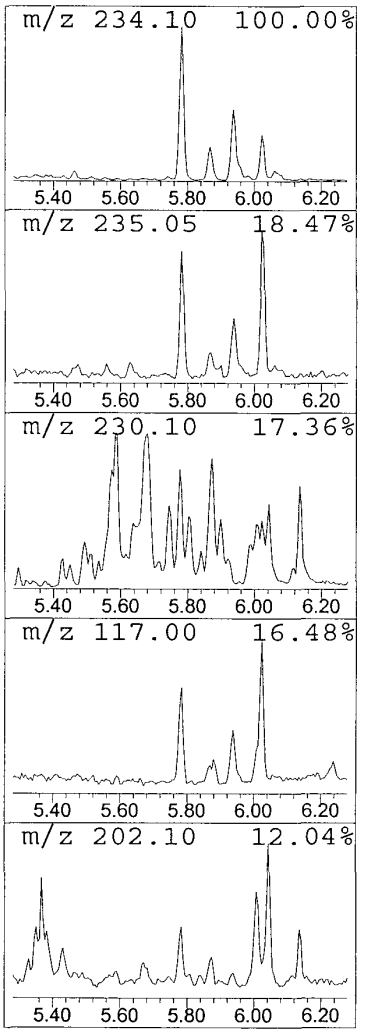
Peak Number 10 Unknown aromatic Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	6.50 UG	112166	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





Library Search Compound Report

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Acq On : 21 Feb 2003 15:07 Operator: CH
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Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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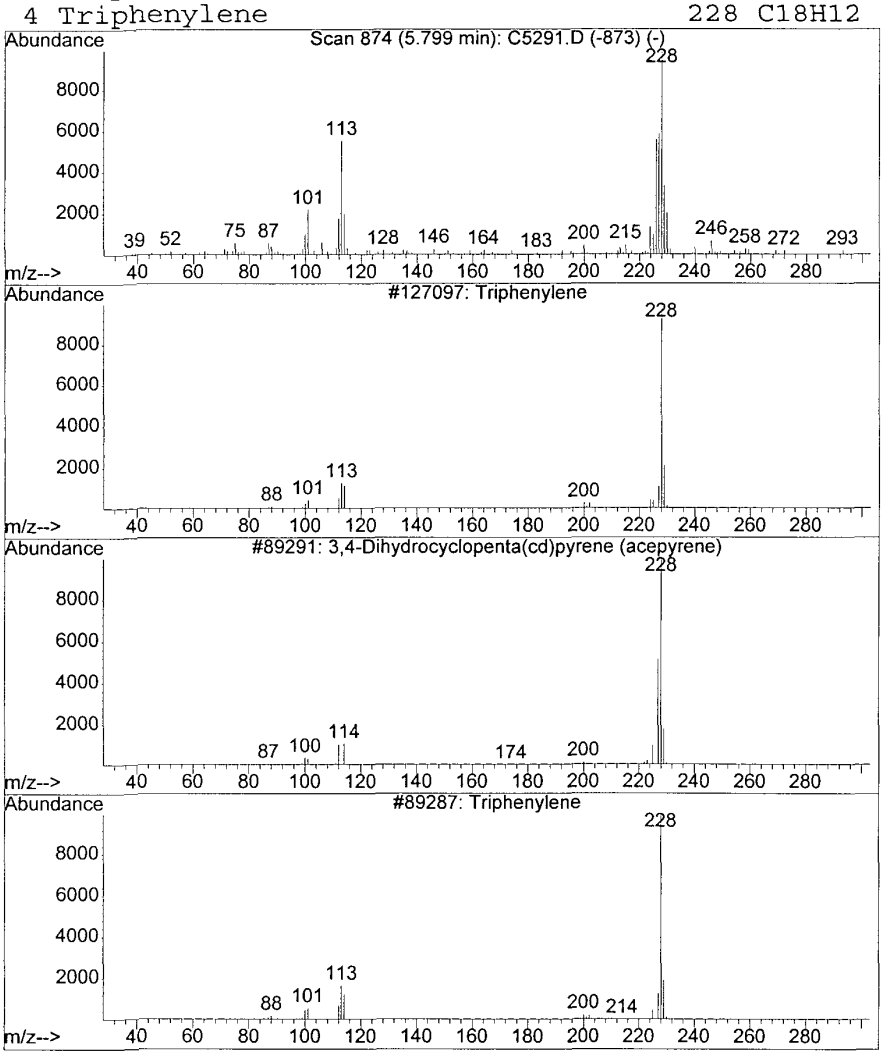
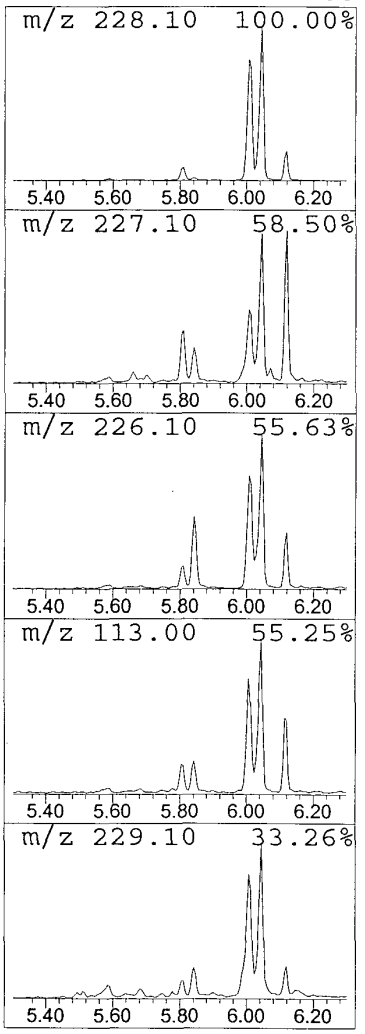
Peak Number 11 Unknown aromatic Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	7.11 UG	122736	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene	228	C18H12	000217-59-4	78
2	3,4-Dihydrocyclopenta(cd)pyrene ...	228	C18H12	025732-74-5	60
3	Triphenylene	228	C18H12	000217-59-4	55
4	Triphenylene	228	C18H12	000217-59-4	55





Library Search Compound Report

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Acq On : 21 Feb 2003 15:07 Operator: CH
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Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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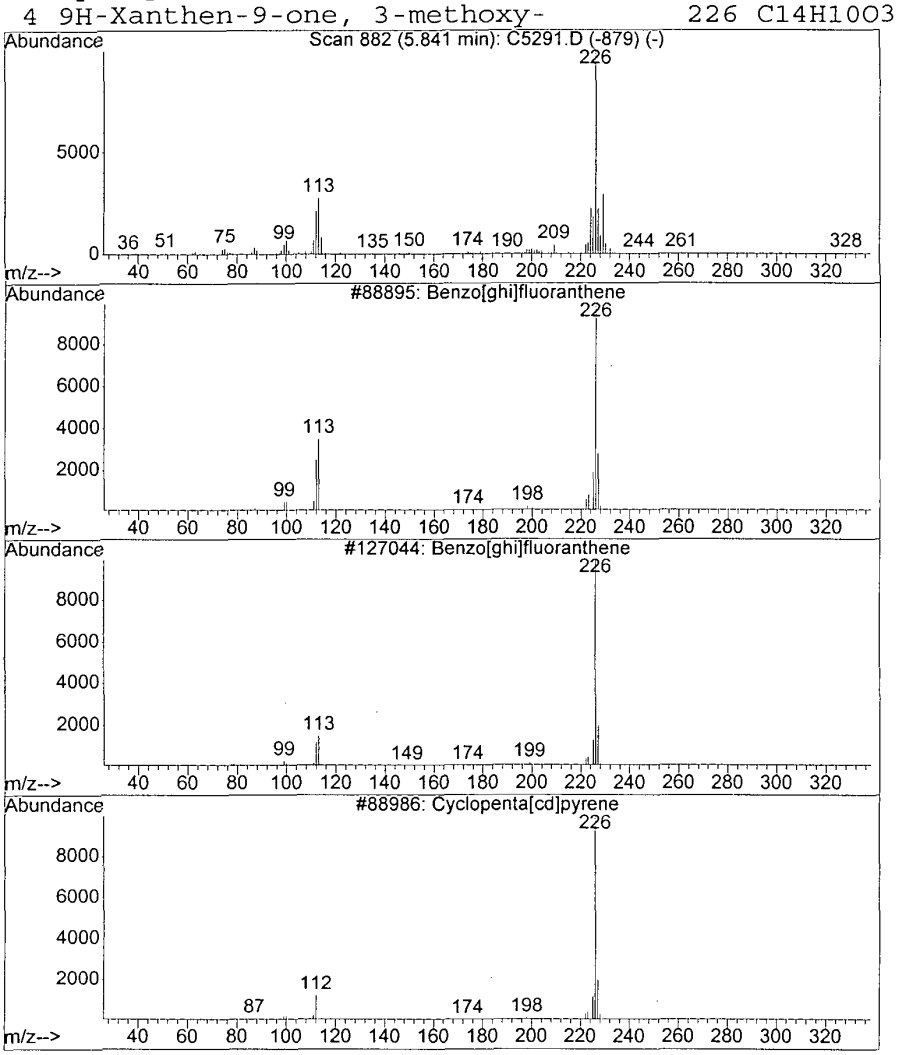
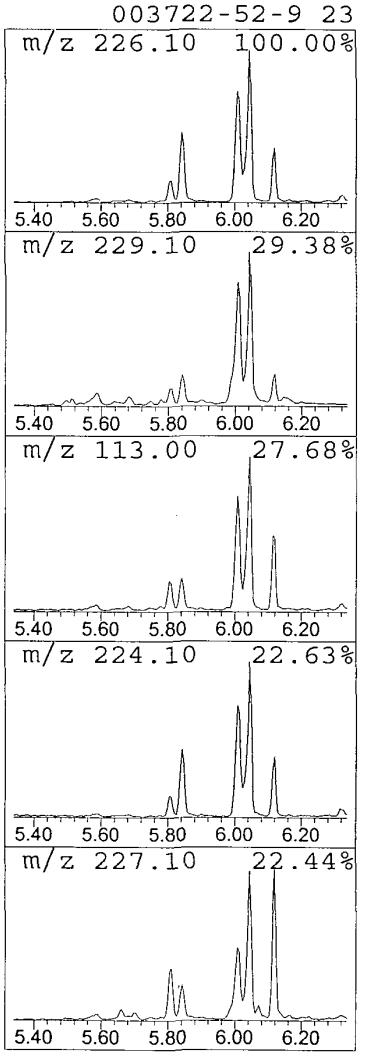
Peak Number 12 Unknown aromatic Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	9.36 UG	161493	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	96
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	76
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	23





301558

Library Search Compound Report

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Acq On : 21 Feb 2003 15:07 Operator: CH
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Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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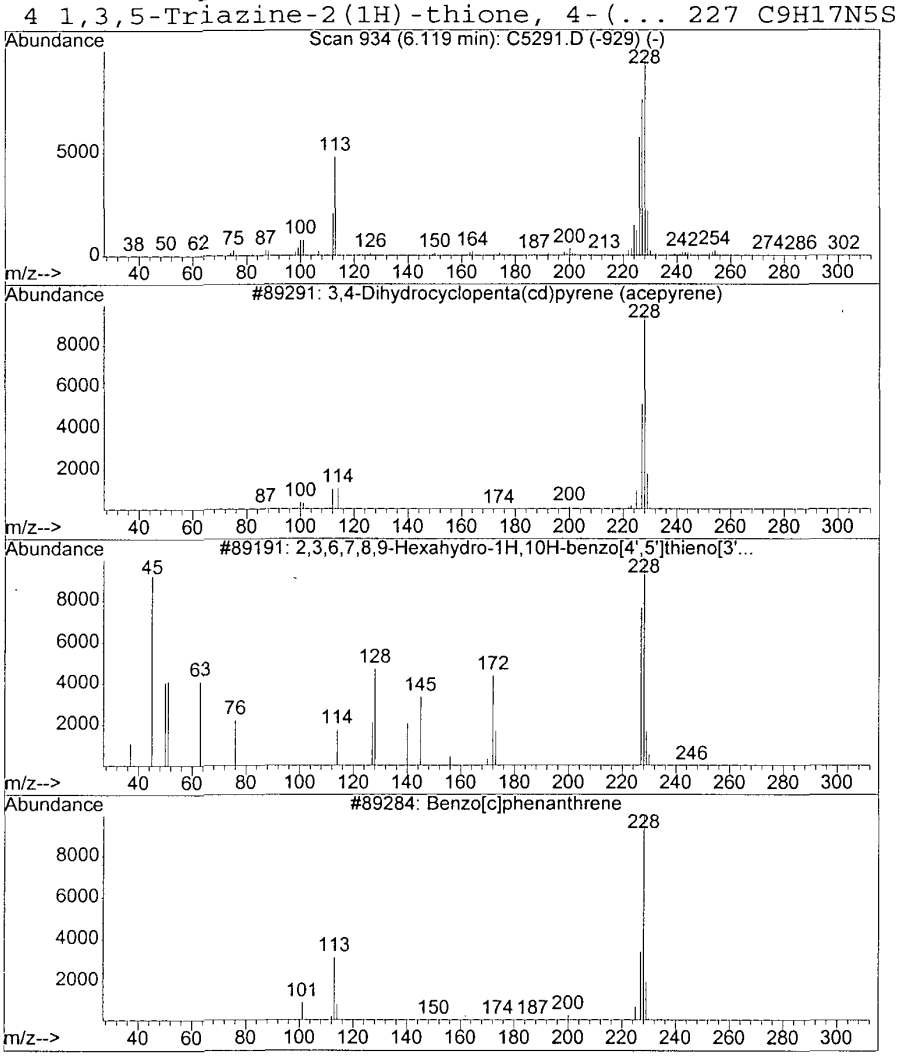
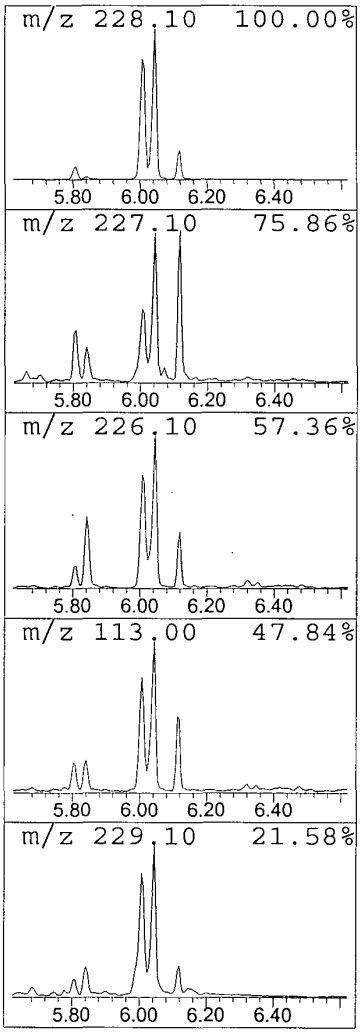
Peak Number 13 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	16.43 UG	283683	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydrocyclopenta(cd)pyrene ...	228	C18H12	025732-74-5	92
2	2,3,6,7,8,9-Hexahydro-1H,10H-ben...	246	C13H14N2OS	1000223-08-5	49
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45
4	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	42





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301559

Library Search Compound Report

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Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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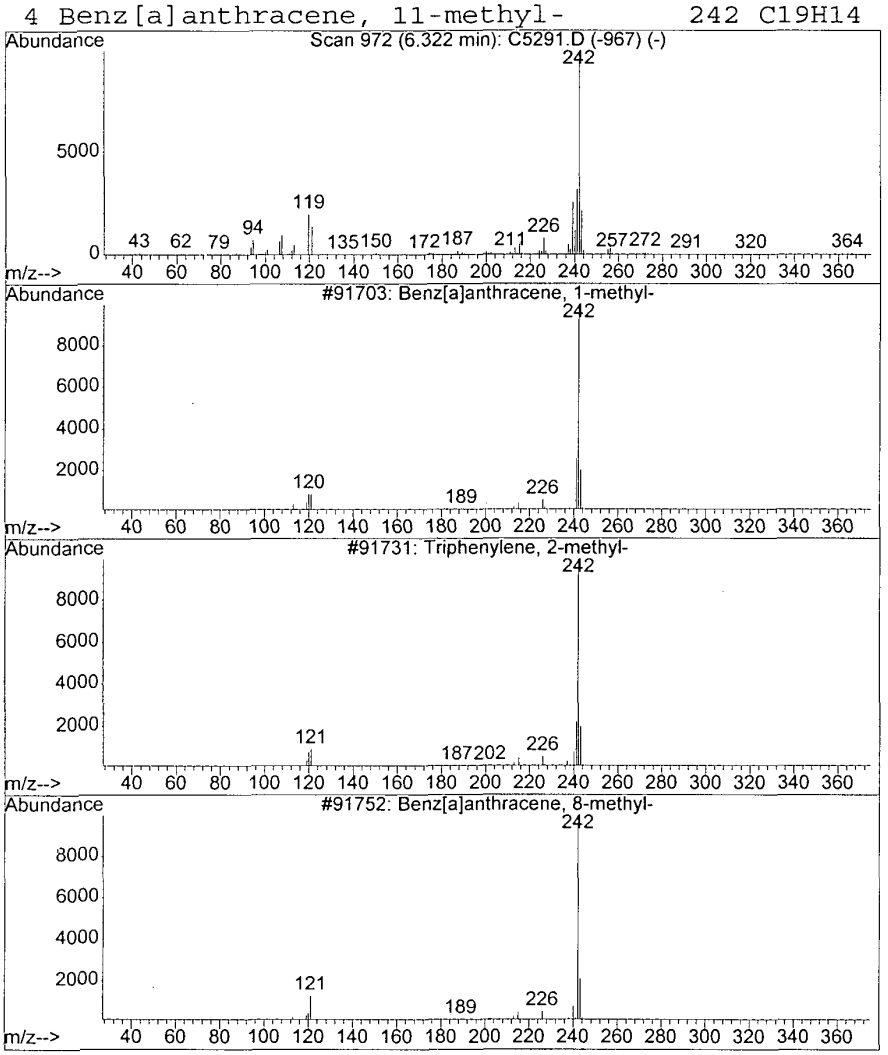
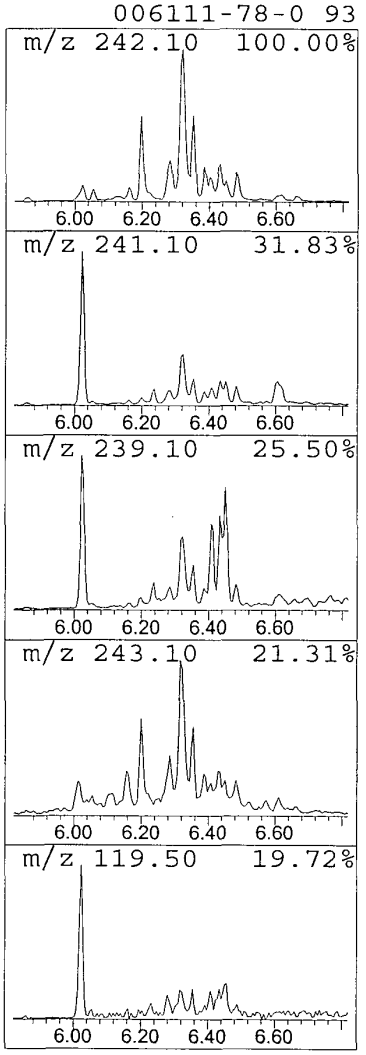
Peak Number 14 Unknown aromatic Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	14.25 UG	245986	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	93





Library Search Compound Report

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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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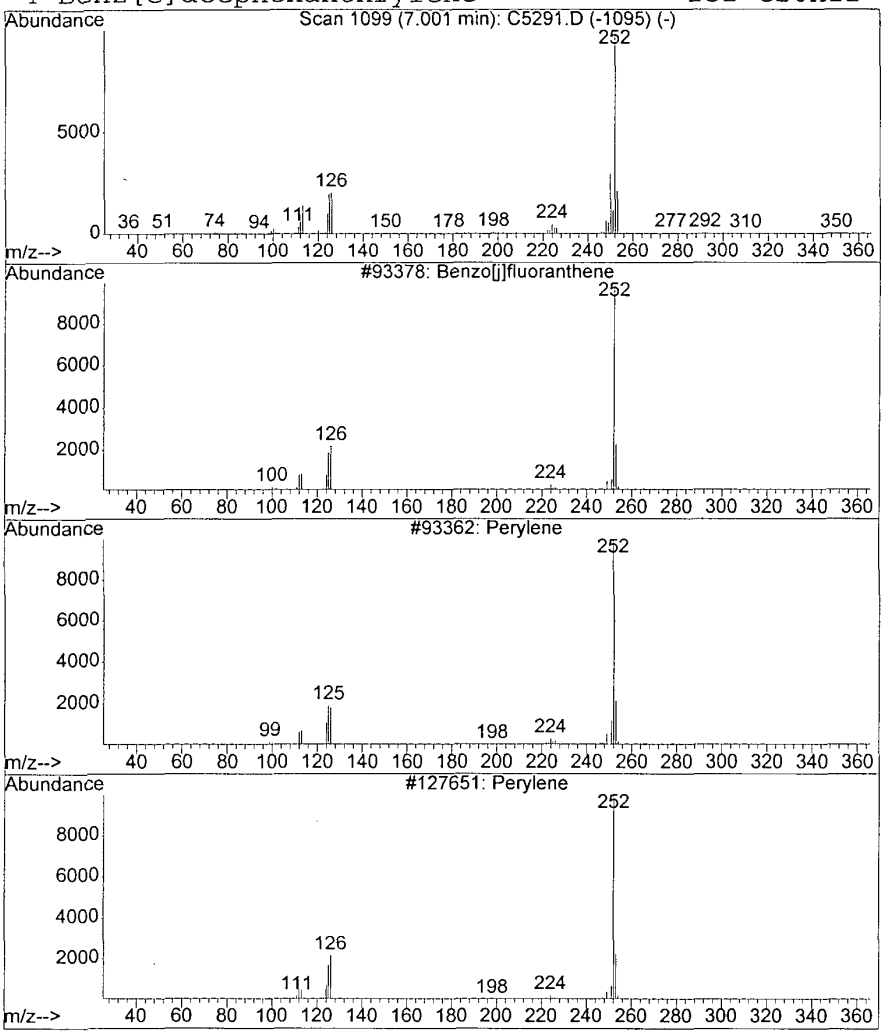
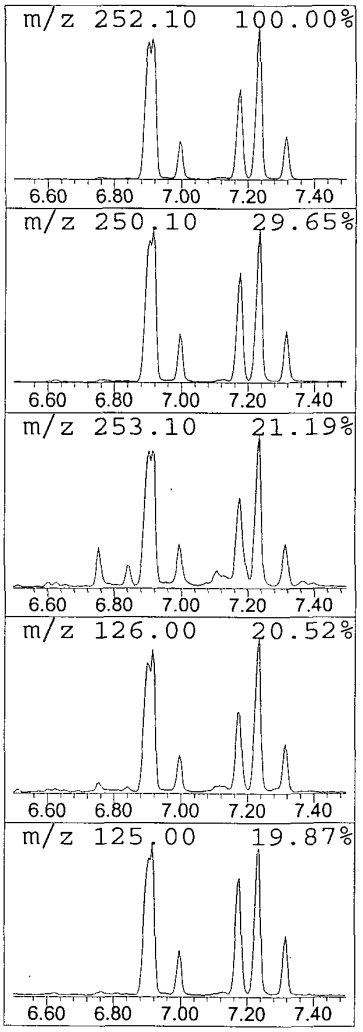
Peak Number 15 Unknown aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	13.34 UG	235069	Perylene-d12	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
2	Perylene	252	C20H12	000198-55-0	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Library Search Compound Report

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Acq On : 21 Feb 2003 15:07 Operator: CH
Sample : SB-W15-0/0-0.5,01235-007,S,10.11g,13.7,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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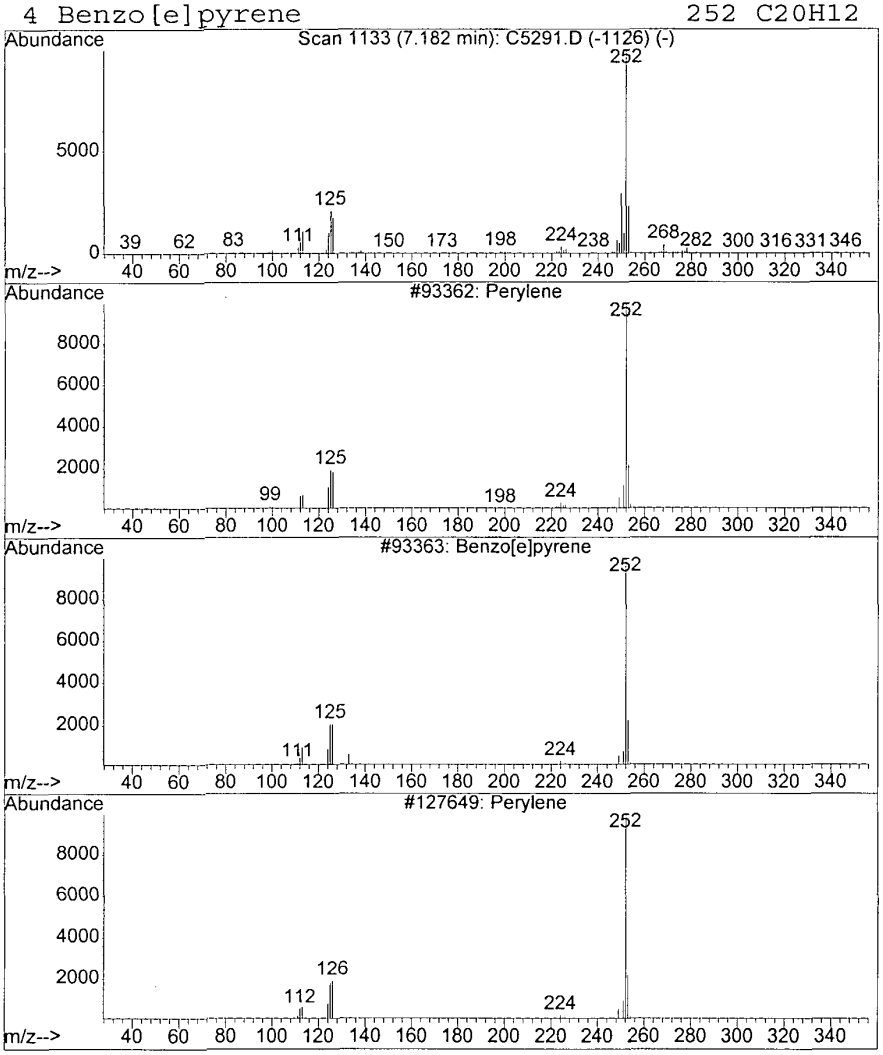
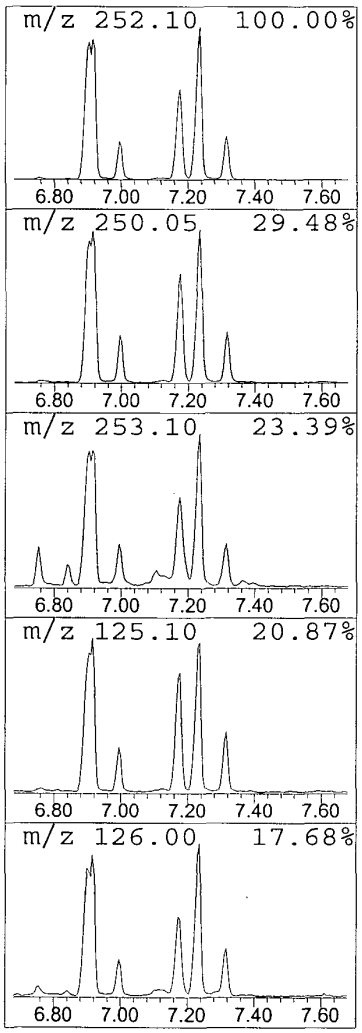
Peak Number 16 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	38.64 UG	681027	Perylene-d12	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93





Library Search Compound Report

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Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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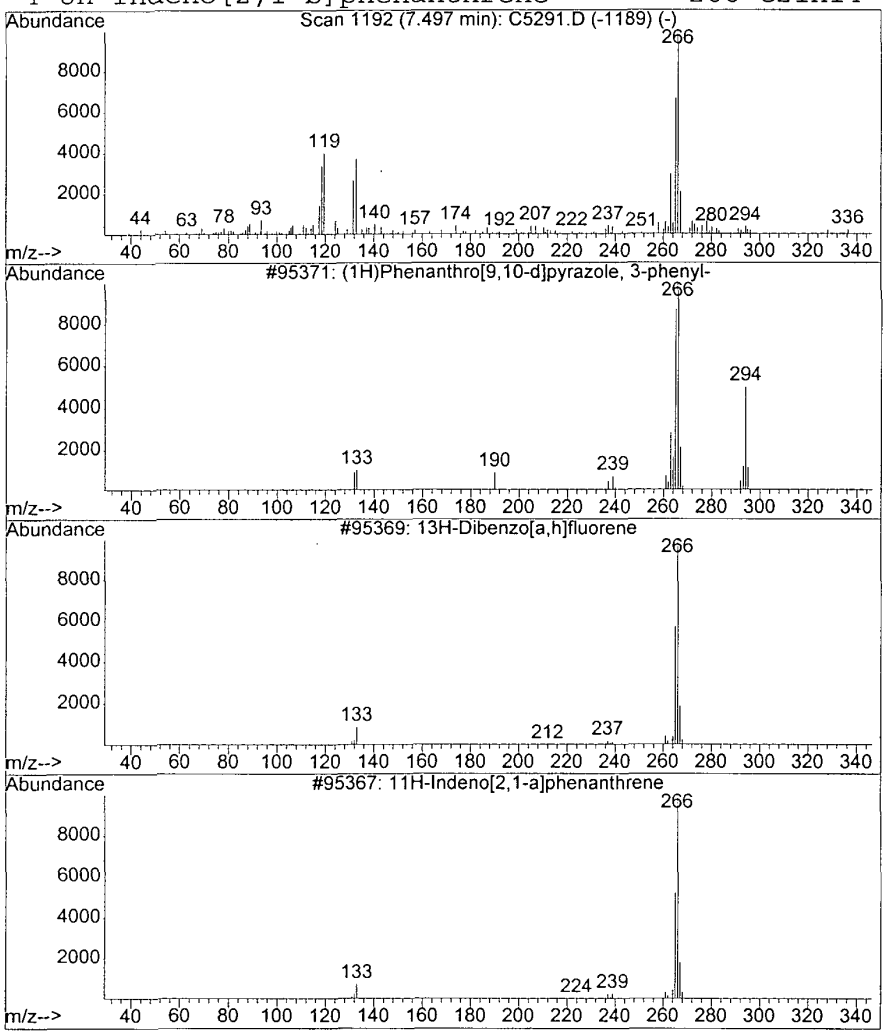
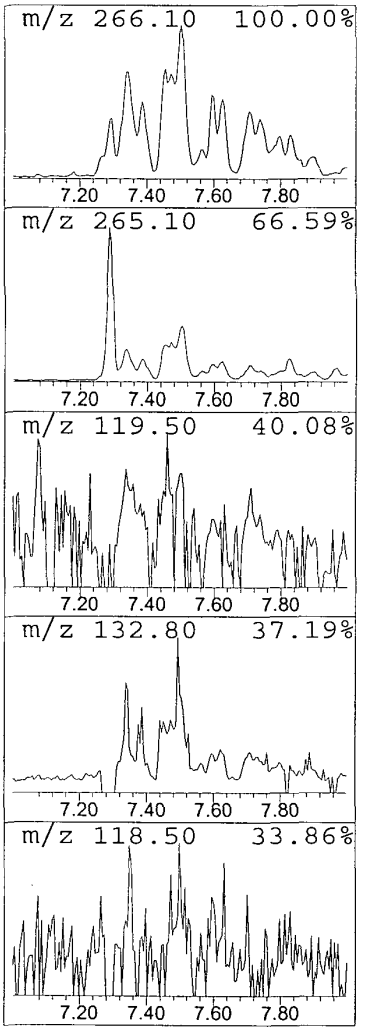
Peak Number 17 Unknown aromatic Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	7.82 UG	137740	Perylene-d12	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	1000217-18-9	47
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	46
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	43
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	43





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Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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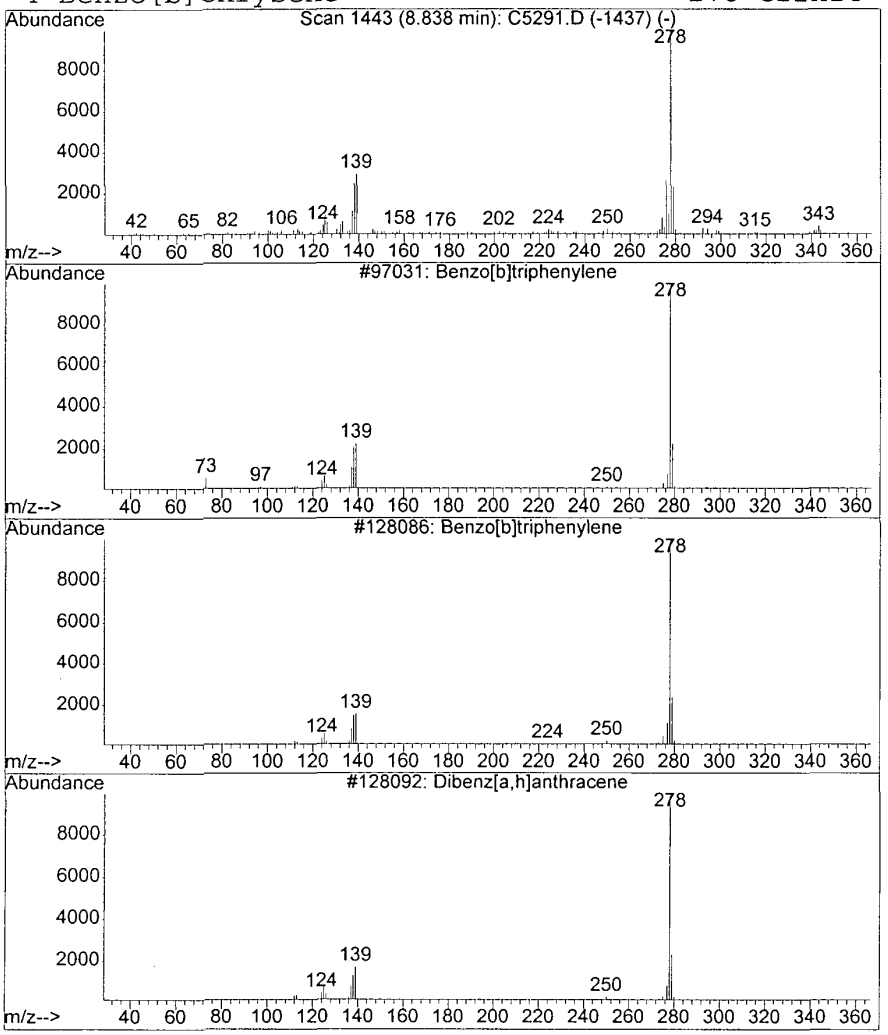
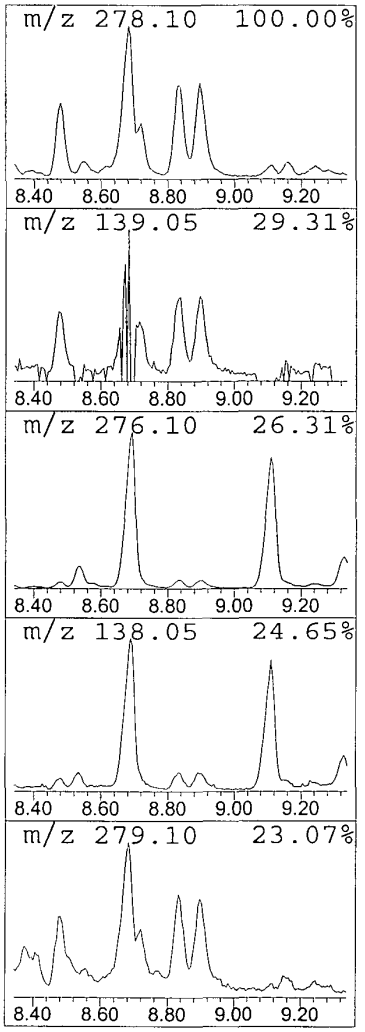
Peak Number 18 Unknown aromatic Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	8.05 UG	141916	Perylene-d12	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93





Library Search Compound Report

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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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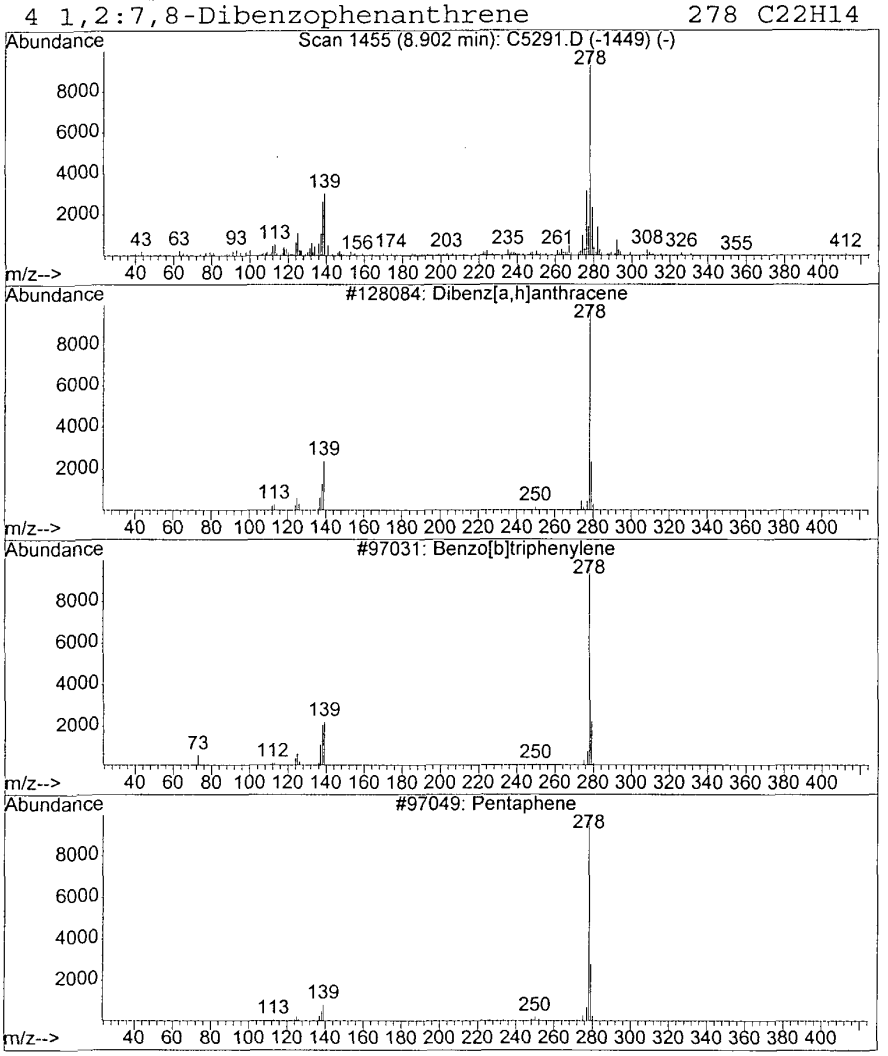
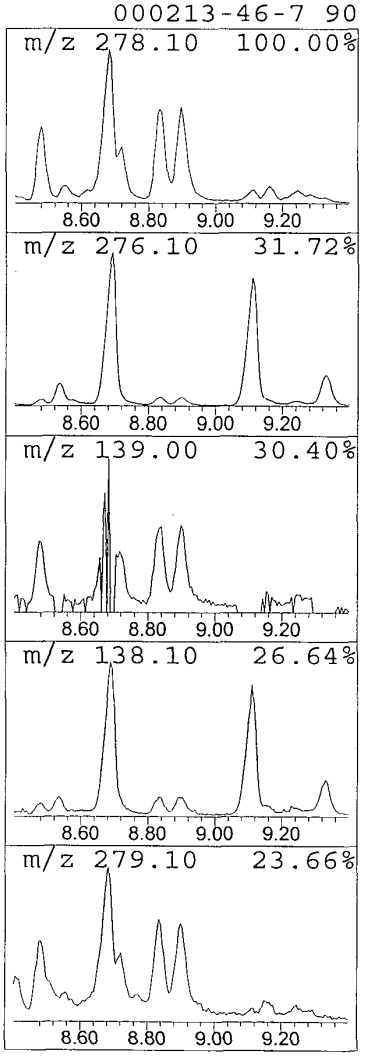
Peak Number 19 Unknown aromatic Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	7.57 UG	133435	Perylene-d12	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Pentaphene	278	C22H14	000222-93-5	90
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	90





Library Search Compound Report

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Acq On : 21 Feb 2003 15:07 Operator: CH
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Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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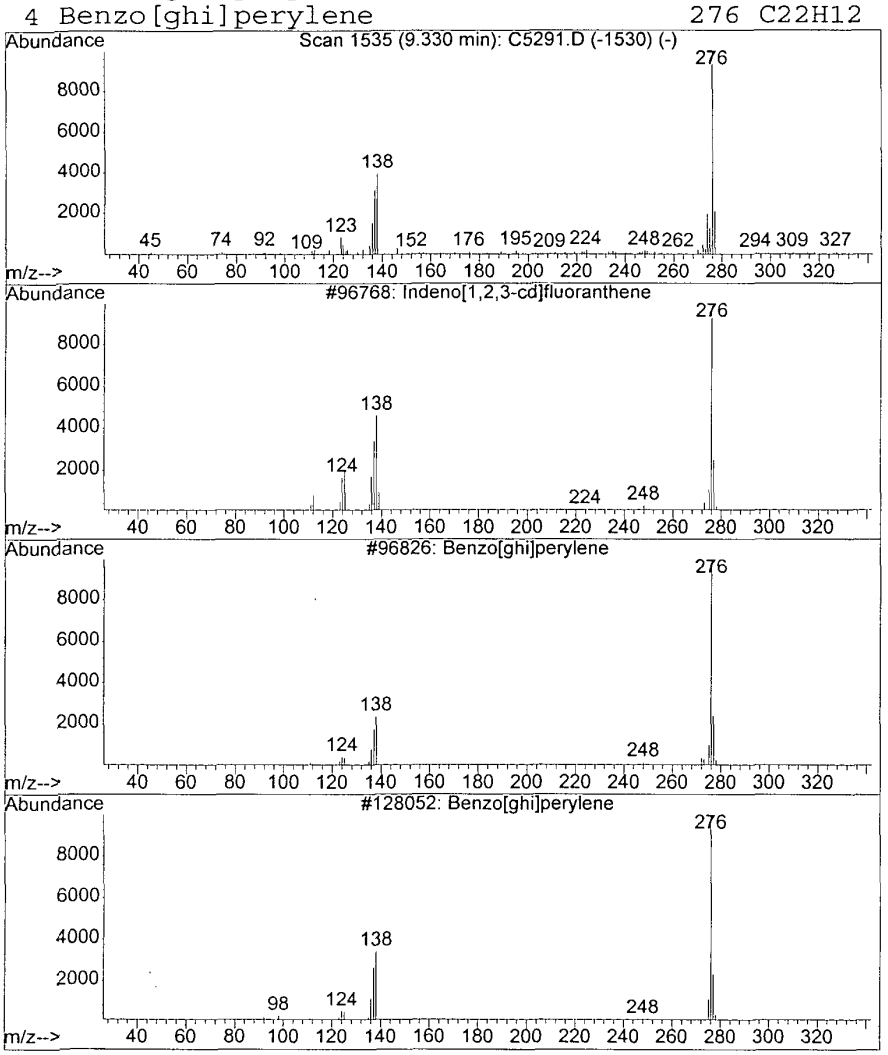
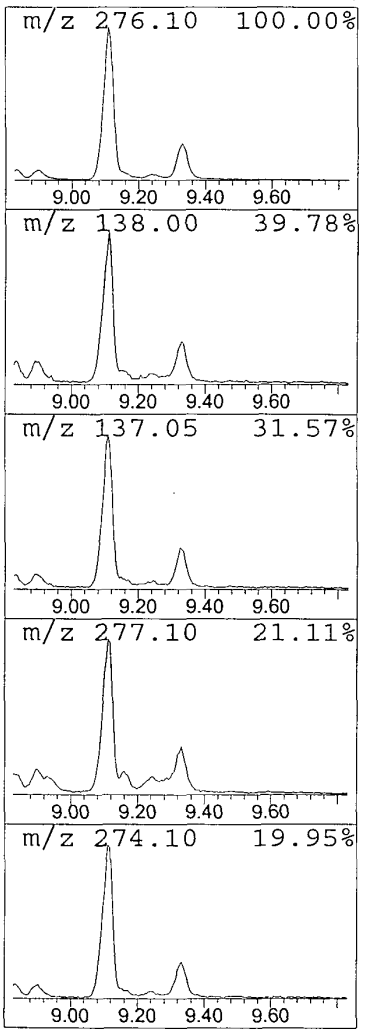
Peak Number 20 Unknown aromatic Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	6.88 UG	121295	Perylene-d12	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	91
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	91





0808

301566

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5292.D Vial: 44
Acq On : 21 Feb 2003 15:23 Operator: CH
Sample : SB-W15-11.5/11,01235-008,S,10.15g,18.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:33:22 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	159495	40.00	UG	0.00
23) Naphthalene-d8	2.86	136	587225	40.00	UG	-0.01
43) Acenaphthene-d10	3.61	164	279838	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	392080	40.00	UG	-0.02
82) Chrysene-d12	6.02	240	220769	40.00	UG	-0.03
92) Perylene-d12	7.28	264	207394	40.00	UG	-0.04

System Monitoring Compounds						
4) 2-Fluorophenol	1.83	112	394202	77.75	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 77.75%			
6) Phenol-d5	2.17	99	525920	84.17	UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 84.17%			
24) Nitrobenzene-d5	2.56	82	176632	36.04	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 72.08%			
47) 2-Fluorobiphenyl	3.31	172	384254	48.46	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 96.92%			
70) 2,4,6-Tribromophenol	3.96	330	90638	88.61	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 88.61%			
84) Terphenyl-d14	5.13	244	251737	50.54	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 101.08%			

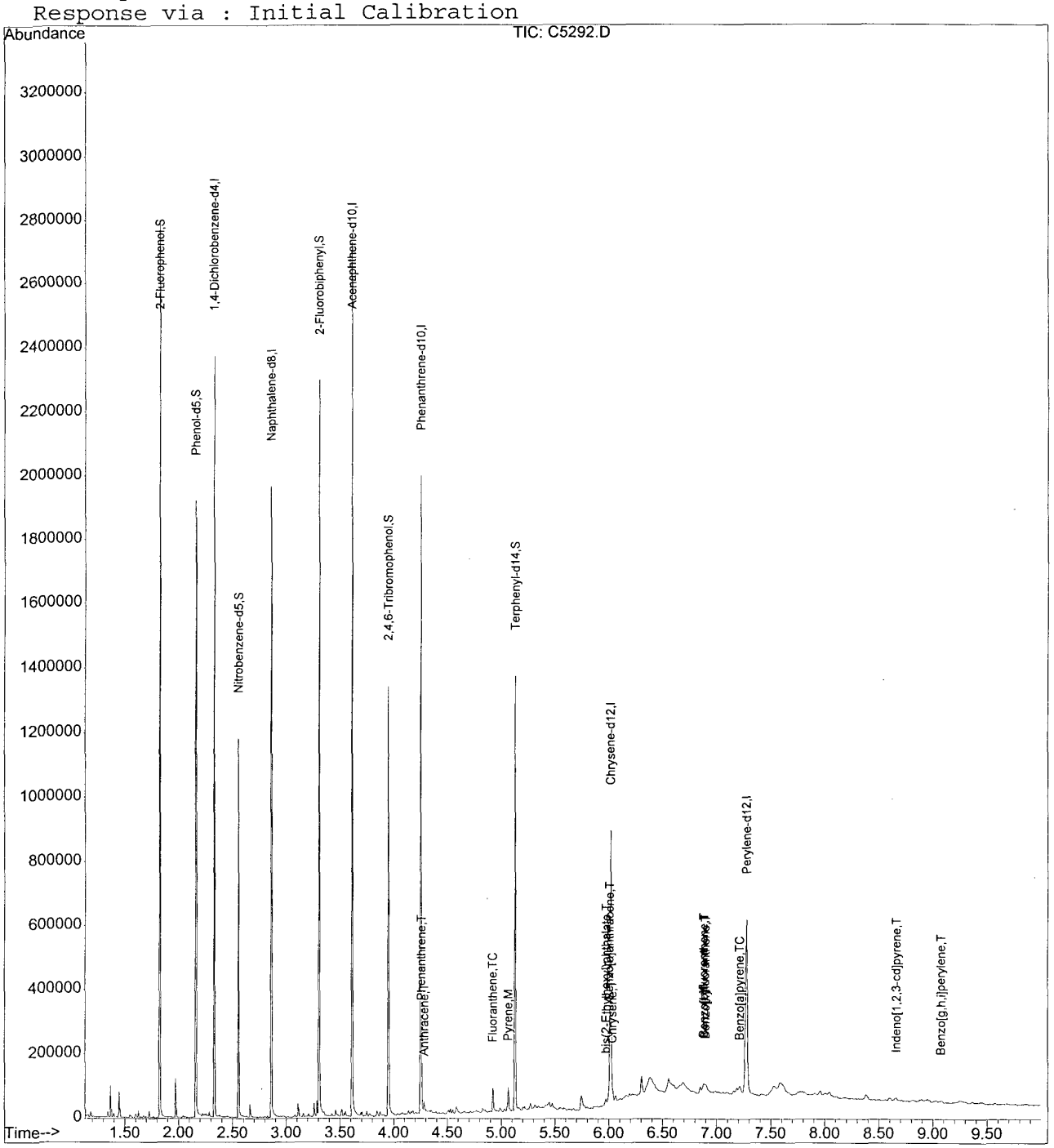
Target Compounds							Qvalue
75) Phenanthrene	4.27	178	16092	1.83	UG		97
76) Anthracene	4.29	178	6832	0.75	UG		97
79) Fluoranthene	4.93	202	20970	2.84	UG	#	88
83) Pyrene	5.07	202	18092	2.50	UG	#	88
88) Benzo[a]anthracene	6.00	228	8537	1.65	UG	#	76
89) Chrysene	6.04	228	8786	1.78	UG	#	94
90) bis(2-Ethylhexyl)phthalate	5.97	149	4596	0.97	UG	#	87
94) Benzo[b]fluoranthene	6.88	252	7403m	1.15	UG		
95) Benzo[k]fluoranthene	6.90	252	5681m	0.97	UG		
96) Benzo[a]pyrene	7.21	252	7613	1.37	UG	#	89
97) Indeno[1,2,3-cd]pyrene	8.66	276	5181m	0.79	UG		
99) Benzo[g,h,i]perylene	9.07	276	4515m	0.80	UG		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5292.D Vial: 44
Acq On : 21 Feb 2003 15:23 Operator: CH
Sample : SB-W15-11.5/11,01235-008,S,10.15g,18.6,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:54 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0310

301568

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-21-03\C5292.D          Vial: 44
Acq On    : 21 Feb 2003  15:23                       Operator: CH
Sample    : SB-W15-11.5/11,01235-008,S,10.15g,18.6,0 Inst    : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

****

C5292.D CS0203.M Fri Feb 21 15:54:34 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5293.D Vial: 45
Acq On : 21 Feb 2003 15:38 Operator: CH
Sample : SB-W15-16.5/16,01235-009,S,10.57g,15.0,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:48:47 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	145273	40.00	UG	0.00
23) Naphthalene-d8	2.86	136	550521	40.00	UG	-0.01
43) Acenaphthene-d10	3.61	164	254589	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	356761	40.00	UG	-0.02
82) Chrysene-d12	6.01	240	196958	40.00	UG	-0.04
92) Perylene-d12	7.28	264	181083	40.00	UG	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	1.83	112	355157	76.90	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 76.90%			
6) Phenol-d5	2.17	99	459481	80.74	UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 80.74%			
24) Nitrobenzene-d5	2.56	82	175992	38.30	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 76.60%			
47) 2-Fluorobiphenyl	3.31	172	364602	50.54	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 101.08%			
70) 2,4,6-Tribromophenol	3.96	330	76251	81.92	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 81.92%			
84) Terphenyl-d14	5.13	244	246378	55.45	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 110.90%			

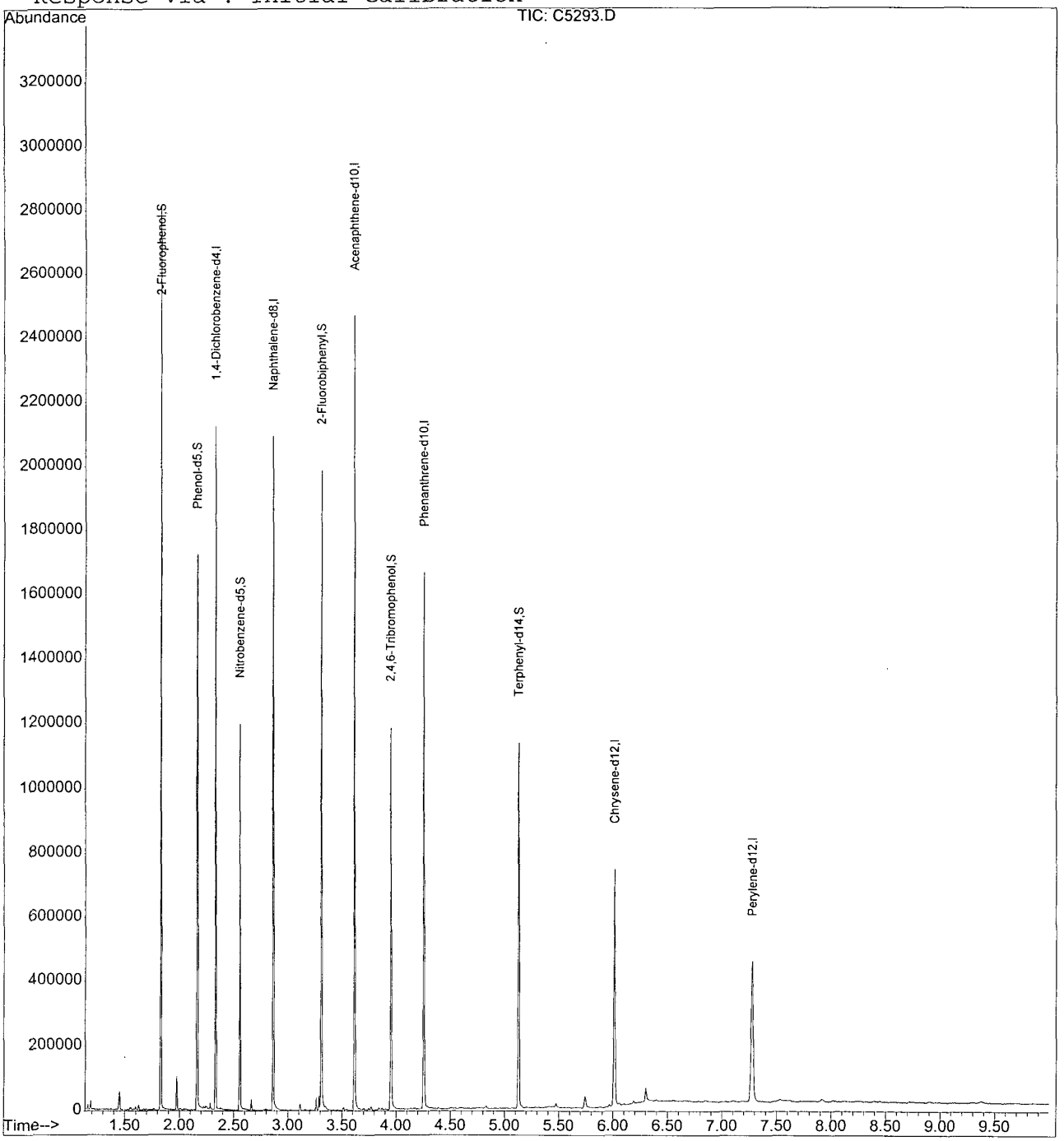
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5293.D Vial: 45
Acq On : 21 Feb 2003 15:38 Operator: CH
Sample : SB-W15-16.5/16,01235-009,S,10.57g,15.0,0 Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 15:56 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-21-03\C5293.D          Vial: 45
Acq On    : 21 Feb 2003  15:38                       Operator: CH
Sample    : SB-W15-16.5/16,01235-009,S,10.57g,15.0,0 Inst    : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

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C5293.D CS0203.M Fri Feb 21 15:56:33 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8286.D Vial: 10
Acq On : 20 Feb 2003 13:45 Operator: JC
Sample : FIELD-BLANK,01235-010,A,1000ml,100,02/20 Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 13:55:17 2003 Quant Results File: BW0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration
DataAcq Meth : BW0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.39	152	56480	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	232181	40.00	UG	0.00
43) Acenaphthene-d10	3.69	164	127795	40.00	UG	0.00
66) Phenanthrene-d10	4.34	188	204786	40.00	UG	0.00
82) Chrysene-d12	6.13	240	122192	40.00	UG	0.00
92) Perylene-d12	7.42	264	75278	40.00	UG	0.00

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	111299	72.96	UG	0.00
Spiked Amount 100.000	Range 43 - 108		Recovery = 72.96%			
6) Phenol-d5	2.21	99	157590	78.98	UG	0.00
Spiked Amount 100.000	Range 45 - 108		Recovery = 78.98%			
24) Nitrobenzene-d5	2.62	82	75178	41.51	UG	0.00
Spiked Amount 50.000	Range 43 - 109		Recovery = 83.02%			
47) 2-Fluorobiphenyl	3.38	172	161966	45.41	UG	0.00
Spiked Amount 50.000	Range 52 - 116		Recovery = 90.82%			
70) 2,4,6-Tribromophenol	4.03	330	53187	104.64	UG	0.00
Spiked Amount 100.000	Range 46 - 131		Recovery = 104.64%			
84) Terphenyl-d14	5.22	244	168795	65.52	UG	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 131.04%			

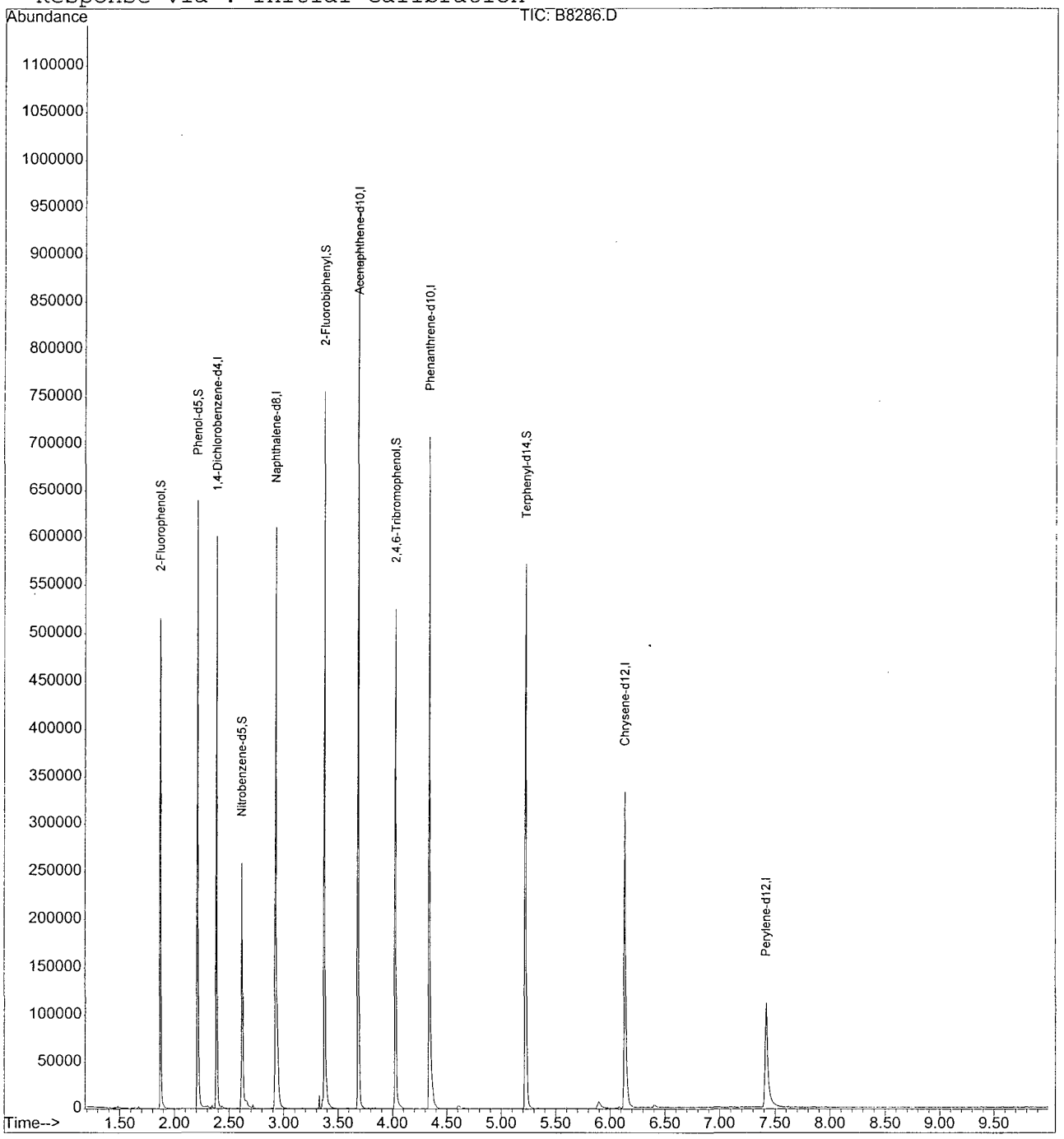
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8286.D Vial: 10
Acq On : 20 Feb 2003 13:45 Operator: JC
Sample : FIELD-BLANK,01235-010,A,1000ml,100,02/20 Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 13:56 2003 Quant Results File: BW0203.RES

Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration



0316

301574

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-20-03\B8286.D          Vial: 10
Acq On    : 20 Feb 2003  13:45                       Operator: JC
Sample    : FIELD-BLANK,01235-010,A,1000ml,100,02/20 Inst    : MSD_B
Misc      : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1   Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

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B8286.D BW0203.M Thu Feb 20 13:56:20 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8274.D Vial: 91
Acq On : 20 Feb 2003 10:30 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/19/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 10:40:52 2003 Quant Results File: BW0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration
DataAcq Meth : BW0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.39	152	65824	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	271477	40.00	UG	0.00
43) Acenaphthene-d10	3.69	164	150733	40.00	UG	0.00
66) Phenanthrene-d10	4.34	188	247336	40.00	UG	0.00
82) Chrysene-d12	6.13	240	155074	40.00	UG	-0.01
92) Perylene-d12	7.42	264	82387	40.00	UG	0.00

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	113407	63.79	UG	0.00
Spiked Amount 100.000	Range 43 - 108		Recovery = 63.79%			
6) Phenol-d5	2.21	99	159317	68.51	UG	0.00
Spiked Amount 100.000	Range 45 - 108		Recovery = 68.51%			
24) Nitrobenzene-d5	2.62	82	92892	43.87	UG	0.00
Spiked Amount 50.000	Range 43 - 109		Recovery = 87.74%			
47) 2-Fluorobiphenyl	3.38	172	191224	45.45	UG	0.00
Spiked Amount 50.000	Range 52 - 116		Recovery = 90.90%			
70) 2,4,6-Tribromophenol	4.03	330	52815	86.03	UG	0.00
Spiked Amount 100.000	Range 46 - 131		Recovery = 86.03%			
84) Terphenyl-d14	5.22	244	203315	62.19	UG	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 124.38%			

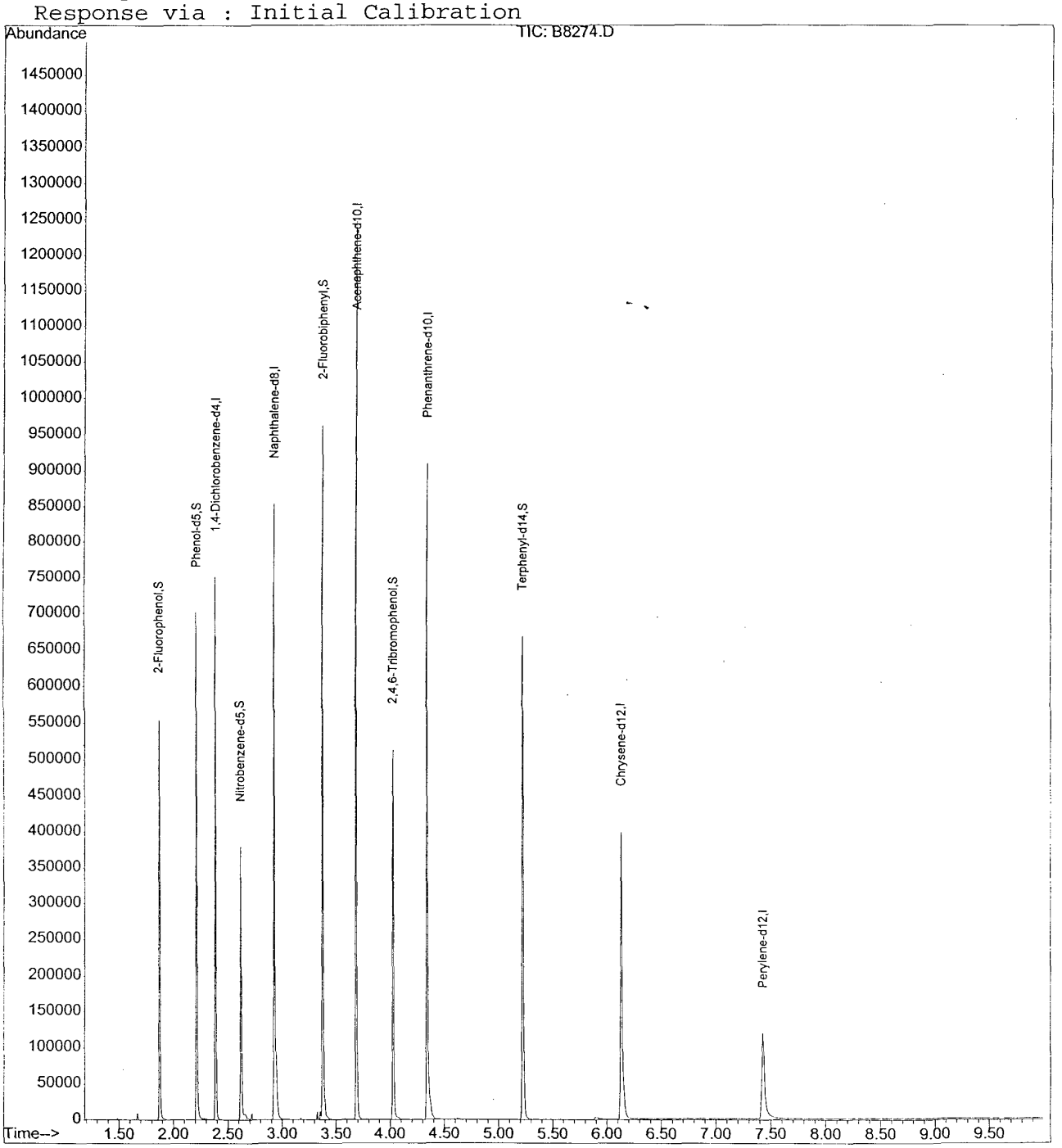
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8274.D Vial: 91
Acq On : 20 Feb 2003 10:30 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/19/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 10:44 2003 Quant Results File: BW0203.RES

Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration



0319

301577

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8274.D Vial: 91
Acq On : 20 Feb 2003 10:30 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/19/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

No Library Search Compounds Detected

****
B8274.D BW0203.M Thu Feb 20 10:44:39 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8280.D Vial: 3
Acq On : 20 Feb 2003 12:08 Operator: JC
Sample : .,Method-Blank,A,1000ml,100,02/20/03 Inst : MSD_B
Misc : N/A,N/A,N/A,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 12:18:55 2003 Quant Results File: BW0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration
DataAcq Meth : BW0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.39	152	75190	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	314634	40.00 UG	0.00
43) Acenaphthene-d10	3.69	164	167010	40.00 UG	0.00
66) Phenanthrene-d10	4.34	188	271046	40.00 UG	0.00
82) Chrysene-d12	6.13	240	157009	40.00 UG	-0.01
92) Perylene-d12	7.42	264	82573	40.00 UG	0.00

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	129539	63.79 UG	0.00
Spiked Amount 100.000	Range 43 - 108		Recovery = 63.79%		
6) Phenol-d5	2.21	99	177940	66.99 UG	0.00
Spiked Amount 100.000	Range 45 - 108		Recovery = 66.99%		
24) Nitrobenzene-d5	2.62	82	102483	41.76 UG	0.00
Spiked Amount 50.000	Range 43 - 109		Recovery = 83.52%		
47) 2-Fluorobiphenyl	3.38	172	219782	47.15 UG	0.00
Spiked Amount 50.000	Range 52 - 116		Recovery = 94.30%		
70) 2,4,6-Tribromophenol	4.03	330	61628	91.60 UG	0.00
Spiked Amount 100.000	Range 46 - 131		Recovery = 91.60%		
84) Terphenyl-d14	5.22	244	215032	64.96 UG	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 129.92%		

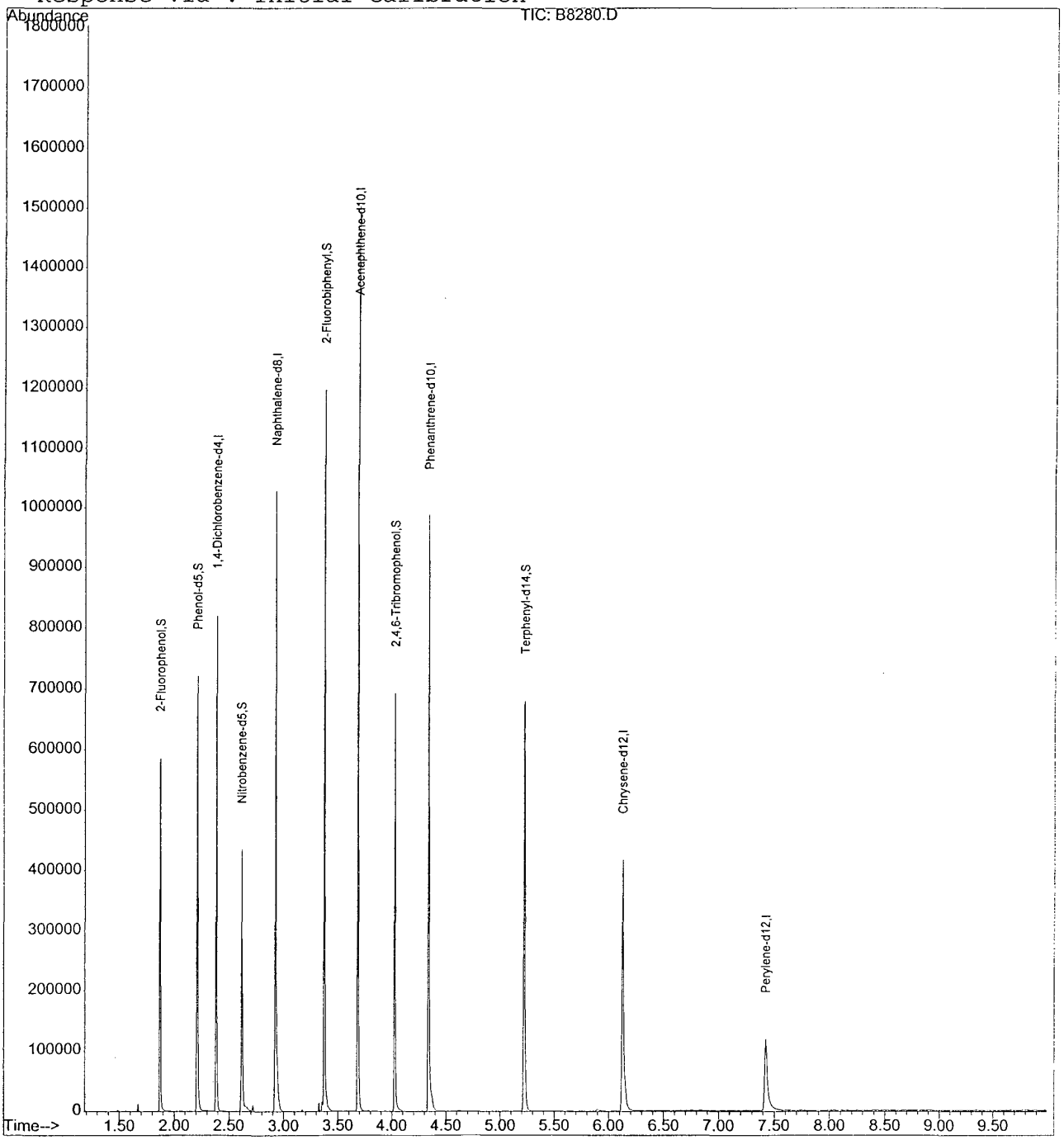
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8280.D Vial: 3
Acq On : 20 Feb 2003 12:08 Operator: JC
Sample : .,Method-Blank,A,1000ml,100,02/20/03 Inst : MSD_B
Misc : N/A,N/A,N/A,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 12:22 2003 Quant Results File: BW0203.RES

Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration



0322

301580

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-20-03\B8280.D Vial: 3
Acq On : 20 Feb 2003 12:08 Operator: JC
Sample : .,Method-Blank,A,1000ml,100,02/20/03 Inst : MSD_B
Misc : N/A,N/A,N/A,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

No Library Search Compounds Detected

****
B8280.D BW0203.M Thu Feb 20 12:24:02 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5274.D Vial: 26
Acq On : 21 Feb 2003 10:00 Operator: CH
Sample : .,Method-blk,S,30g,0,02/21/03 Inst : MSD_C
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 10:10:57 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	157284	40.00 UG	0.00
23) Naphthalene-d8	2.87	136	669635	40.00 UG	0.00
43) Acenaphthene-d10	3.62	164	341262	40.00 UG	-0.01
66) Phenanthrene-d10	4.25	188	566792	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	331260	40.00 UG	-0.03
92) Perylene-d12	7.28	264	223600	40.00 UG	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	1.83	112	438337	87.67 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 87.67%		
6) Phenol-d5	2.17	99	600722	97.49 UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 97.49%		
24) Nitrobenzene-d5	2.56	82	200236	35.83 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 71.66%		
47) 2-Fluorobiphenyl	3.31	172	475498	49.17 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 98.34%		
70) 2,4,6-Tribromophenol	3.96	330	156938	106.13 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 106.13%		
84) Terphenyl-d14	5.14	244	449598	60.16 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 120.32%		

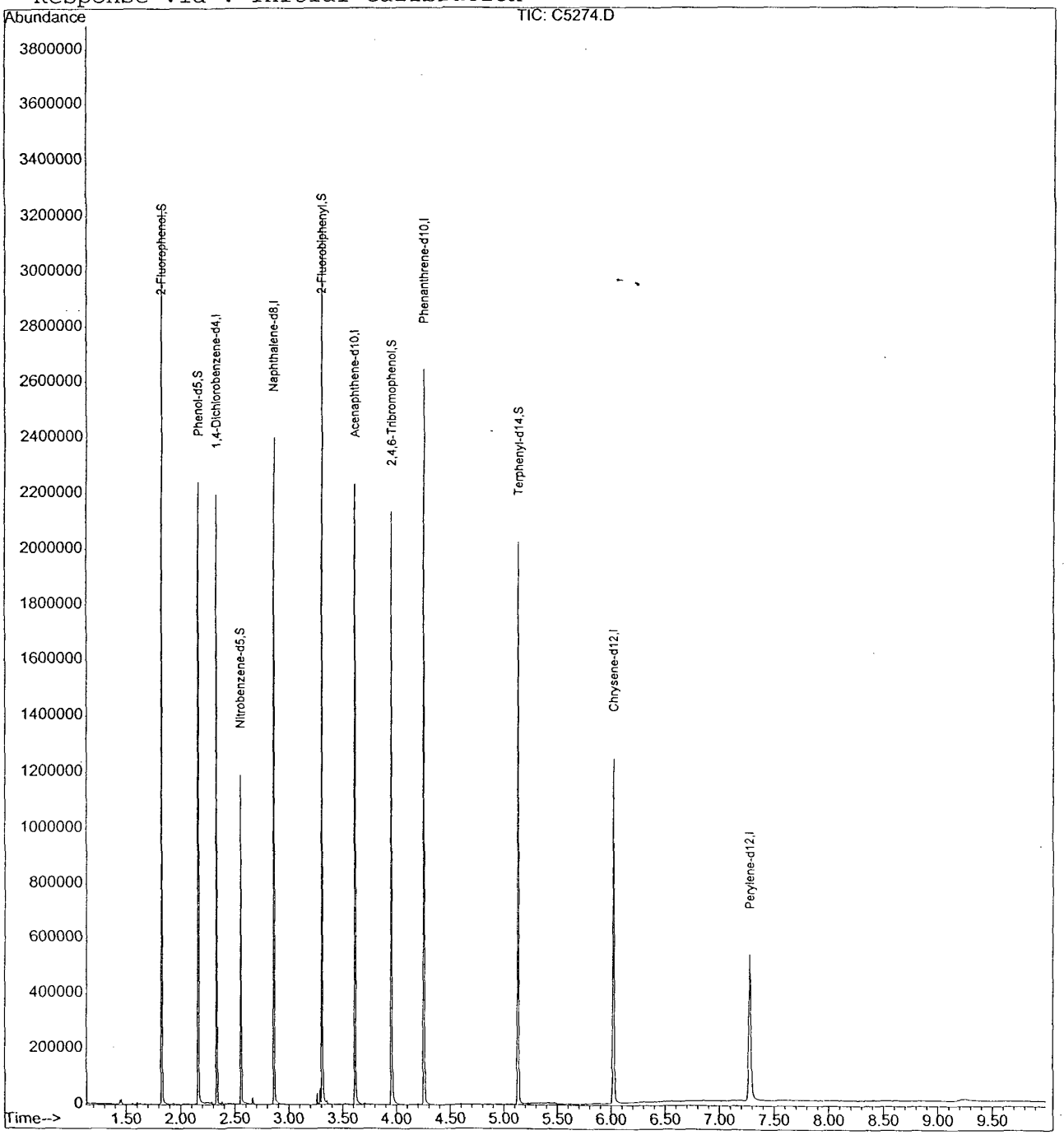
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-21-03\C5274.D Vial: 26
Acq On : 21 Feb 2003 10:00 Operator: CH
Sample : .,Method-blk,S,30g,0,02/21/03 Inst : MSD_C
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 21 10:15 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-21-03\C5274.D          Vial: 26
Acq On    : 21 Feb 2003  10:00                       Operator: CH
Sample    : .,Method-blk,S,30g,0,02/21/03            Inst    : MSD_C
Misc      : NA,NA,NA,1                               Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

****

C5274.D CS0203.M Fri Feb 21 10:16:27 2003 MSD_C

PCB METHOD BLANK SUMMARY

Lab File ID: R4882.D

Instrument ID: GC-R

Date Extracted: 02/06/2003

Matrix: AQUEOUS

Date Analyzed: 02/07/2003

Time Analyzed: 00:15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
LBSA-0103	00855-001	02/07/2003	00:41
P-7	00923-002	02/07/2003	01:07
FB1	00923-003	02/07/2003	01:34
P-2	00923-004	02/07/2003	02:00
P-17	00923-005	02/07/2003	02:26
FB2	00923-006	02/07/2003	02:52
P-11	00923-007	02/07/2003	03:18
P-10	00923-008	02/07/2003	03:45
P-1	00923-009	02/07/2003	04:11
MW-2	00966-001	02/07/2003	04:37
FB	00966-002	02/07/2003	05:03
PCB	00923-003-MS3	02/07/2003	05:30
PCB	00923-003-MSD3	02/07/2003	05:56
PCB	PBW0206-MS3	02/07/2003	06:22

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0206-BLK3
Client ID: (855.966)
Date Received: NA
Date Extracted: 02/06/2003
Date Analyzed: 02/07/2003
Data file: R4882.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.020
Aroclor-1221	ND		0.020
Aroclor-1232	ND		0.020
Aroclor-1242	ND		0.020
Aroclor-1248	ND		0.020
Aroclor-1254	ND		0.020
Aroclor-1260	ND		0.020

PCB METHOD BLANK SUMMARY

Lab File ID: R9557.D

Instrument ID: GC-R

Date Extracted: 02/21/2003

Matrix: AQUEOUS

Date Analyzed: 02/21/2003

Time Analyzed: 16:34

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLANK	01235-010	02/21/2003	17:01
FB021903	01283-011	02/21/2003	17:28
PCB	PBW0221-MS3	02/21/2003	17:54

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0221-BLK3
Client ID: (1235.1283)
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: R9557.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.020
Aroclor-1221	ND		0.020
Aroclor-1232	ND		0.020
Aroclor-1242	ND		0.020
Aroclor-1248	ND		0.020
Aroclor-1254	ND		0.020
Aroclor-1260	ND		0.020

PCB METHOD BLANK SUMMARY

Lab File ID: R9568.D

Instrument ID: GC-R

Date Extracted: 02/21/2003

Matrix: SOIL

Date Analyzed: 02/24/2003

Time Analyzed: 11:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-T12-0/0	01235-001	02/24/2003	11:47
SB-T12-11/	01235-002	02/24/2003	12:13
SB-T12-14/	01235-003	02/24/2003	12:40
SB-W13-0/	01235-004	02/24/2003	13:06
SB-W13-12/	01235-005	02/24/2003	13:32
SB-W13-19/	01235-006	02/24/2003	13:58
SB-W15-0/	01235-007	02/24/2003	14:25
SB-W15-11.	01235-008	02/24/2003	14:51
SB-W15-16.	01235-009	02/24/2003	15:17
GIARDINA_WA	01287-001	02/24/2003	15:43
PCB	01287-001-MS1	02/24/2003	16:10
PCB	01287-001-MSD1	02/24/2003	16:36
PCB	PBS0221-MS1	02/24/2003	17:02
PFD-26/0.5-1.0	01295-001	02/24/2003	17:28
PFD-30/0.0-0.5	01295-002	02/24/2003	17:55
PFD-31/0.0-0.5	01295-003	02/24/2003	18:21

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0221-BLK1
Client ID: (1235..1287)
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/24/2003
Data file: R9568.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.016
Aroclor-1221	ND		0.016
Aroclor-1232	ND		0.016
Aroclor-1242	ND		0.016
Aroclor-1248	ND		0.016
Aroclor-1254	ND		0.016
Aroclor-1260	ND		0.016

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4847.D R4848.D R4849.D R4850.D R4851.D

Compound	RT OF STANDARDS 50	100	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	4.71	4.72	4.71	4.72	4.72	4.72	4.65	4.79
Aroclor-1016 {2}	6.11	6.11	6.11	6.11	6.11	6.11	6.04	6.18
Aroclor-1016 {3}	7.07	7.07	7.07	7.07	7.07	7.07	7.00	7.14
Aroclor-1016 {4}	7.87	7.88	7.87	7.88	7.88	7.88	7.81	7.95
Aroclor-1016 {5}	8.33	8.33	8.32	8.33	8.33	8.33	8.26	8.40
Aroclor-1221			2.99				2.92	3.06
Aroclor-1221 {2}			4.39				4.32	4.46
Aroclor-1221 {3}			4.60				4.53	4.67
Aroclor-1221 {4}			4.72				4.65	4.79
Aroclor-1221 {5}			5.71				5.64	5.78
Aroclor-1232			4.72				4.65	4.79
Aroclor-1232 {2}			6.11				6.04	6.18
Aroclor-1232 {3}			7.07				7.00	7.14
Aroclor-1232 {4}			7.88				7.81	7.95
Aroclor-1232 {5}			8.68				8.61	8.75
Aroclor-1242			6.11				6.04	6.18
Aroclor-1242 {2}			7.88				7.81	7.95
Aroclor-1242 {3}			8.43				8.36	8.50
Aroclor-1242 {4}			9.59				9.52	9.66
Aroclor-1242 {5}			10.09				10.02	10.16
Aroclor-1248			6.81				6.74	6.88
Aroclor-1248 {2}			7.88				7.81	7.95
Aroclor-1248 {3}			8.42				8.35	8.49
Aroclor-1248 {4}			9.59				9.52	9.66
Aroclor-1248 {5}			10.09				10.02	10.16
Aroclor-1254			10.32				10.25	10.39
Aroclor-1254 {2}			11.13				11.06	11.20
Aroclor-1254 {3}			11.43				11.36	11.50
Aroclor-1254 {4}			12.26				12.19	12.33
Aroclor-1254 {5}			13.84				13.77	13.91
Aroclor-1260	13.83	13.83	13.83	13.83	13.83	13.83	13.76	13.90
Aroclor-1260 {2}	14.39	14.39	14.39	14.39	14.39	14.39	14.32	14.46
Aroclor-1260 {3}	16.02	16.02	16.01	16.01	16.01	16.02	15.95	16.09
Aroclor-1260 {4}	16.93	16.93	16.93	16.92	16.93	16.93	16.86	17.00
Aroclor-1260 {5}	18.96	18.96	18.95	18.95	18.96	18.96	18.89	19.03

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4847.D R4848.D R4849.D R4850.D R4851.D

Compound	CALIBRATION FACTORS 50	100	500	1000	2000	MEAN	%RSD
Aroclor-1016	210564	227512	198359	196823	186725	203996	7.66
Aroclor-1016 {2}	281539	305819	266453	273755	256654	276844	6.73
Aroclor-1016 {3}	390325	417688	359936	358151	340912	373402	8.16
Aroclor-1016 {4}	198047	214684	188618	182390	173718	191491	8.21
Aroclor-1016 {5}	263181	284398	249648	245030	234966	255445	7.48
Aroclor-1221			74372				
Aroclor-1221 {2}			105179				
Aroclor-1221 {3}			93921				
Aroclor-1221 {4}			258175				
Aroclor-1221 {5}			50327				
Aroclor-1232			192613				
Aroclor-1232 {2}			114134				
Aroclor-1232 {3}			149114				
Aroclor-1232 {4}			81589				
Aroclor-1232 {5}			141791				
Aroclor-1242			189177				
Aroclor-1242 {2}			127998				
Aroclor-1242 {3}			147102				
Aroclor-1242 {4}			259769				
Aroclor-1242 {5}			231720				
Aroclor-1248			565158				
Aroclor-1248 {2}			211552				
Aroclor-1248 {3}			177862				
Aroclor-1248 {4}			445789				
Aroclor-1248 {5}			440432				
Aroclor-1254			503444				
Aroclor-1254 {2}			411747				
Aroclor-1254 {3}			742480				
Aroclor-1254 {4}			580022				
Aroclor-1254 {5}			670892				
Aroclor-1260	828218	857275	792022	807810	786101	814285	3.57
Aroclor-1260 {2}	515303	531084	472205	459621	431326	481908	8.48
Aroclor-1260 {3}	1194827	1243438	1185339	1221756	1162736	1201619	2.62
Aroclor-1260 {4}	553312	594880	567033	592189	583409	578165	3.05
Aroclor-1260 {5}	330689	342344	318173	335497	340654	333471	2.91
					Average %RSD		5.89

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R4847.C R4848.C R4849.C R4850.C R4851.C

Compound	RT OF STANDARDS 50	100	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	4.63	4.63	4.63	4.63	4.63	4.63	4.56	4.70
Aroclor-1016 {2}	5.51	5.51	5.52	5.51	5.51	5.51	5.44	5.58
Aroclor-1016 {3}	6.69	6.69	6.70	6.69	6.69	6.69	6.62	6.76
Aroclor-1016 {4}	7.03	7.03	7.03	7.03	7.03	7.03	6.96	7.10
Aroclor-1016 {5}	7.31	7.32	7.32	7.31	7.31	7.32	7.25	7.39
Aroclor-1221			2.87				2.80	2.94
Aroclor-1221 {2}			4.17				4.10	4.24
Aroclor-1221 {3}			4.50				4.43	4.57
Aroclor-1221 {4}			4.63				4.56	4.70
Aroclor-1221 {5}			5.88				5.81	5.95
Aroclor-1232			4.63				4.56	4.70
Aroclor-1232 {2}			6.10				6.03	6.17
Aroclor-1232 {3}			7.03				6.96	7.10
Aroclor-1232 {4}			7.32				7.25	7.39
Aroclor-1232 {5}			8.33				8.26	8.40
Aroclor-1242			5.99				5.92	6.06
Aroclor-1242 {2}			7.32				7.25	7.39
Aroclor-1242 {3}			8.33				8.26	8.40
Aroclor-1242 {4}			9.55				9.48	9.62
Aroclor-1242 {5}			10.24				10.17	10.31
Aroclor-1248			6.69				6.62	6.76
Aroclor-1248 {2}			7.67				7.60	7.74
Aroclor-1248 {3}			8.33				8.26	8.40
Aroclor-1248 {4}			8.59				8.52	8.66
Aroclor-1248 {5}			9.19				9.12	9.26
Aroclor-1254			10.26				10.19	10.33
Aroclor-1254 {2}			11.11				11.04	11.18
Aroclor-1254 {3}			12.22				12.15	12.29
Aroclor-1254 {4}			12.65				12.58	12.72
Aroclor-1254 {5}			13.72				13.65	13.79
Aroclor-1260	12.65	12.64	12.65	12.64	12.64	12.64	12.57	12.71
Aroclor-1260 {2}	13.85	13.85	13.85	13.85	13.85	13.85	13.78	13.92
Aroclor-1260 {3}	14.82	14.82	14.82	14.82	14.82	14.82	14.75	14.89
Aroclor-1260 {4}	15.77	15.77	15.77	15.77	15.77	15.77	15.70	15.84
Aroclor-1260 {5}	18.82	18.82	18.82	18.82	18.81	18.82	18.75	18.89

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R4847.C R4848.C R4849.C R4850.C R4851.C

Compound	CALIBRATION FACTORS 50	100	500	1000	2000	MEAN	%RSD
Aroclor-1016	308659	310585	274098	263540	246106	280598	10.10
Aroclor-1016 {2}	664559	649092	508527	487518	448481	551635	17.87
Aroclor-1016 {3}	1304218	1323480	1073750	1045354	996406	1148642	13.36
Aroclor-1016 {4}	603988	574941	493428	518141	433758	524851	12.82
Aroclor-1016 {5}	503457	515866	414646	392984	368385	439068	15.18
Aroclor-1221			111062				
Aroclor-1221 {2}			129520				
Aroclor-1221 {3}			93628				
Aroclor-1221 {4}			349991				
Aroclor-1221 {5}			27410				
Aroclor-1232			268268				
Aroclor-1232 {2}			111408				
Aroclor-1232 {3}			203010				
Aroclor-1232 {4}			179444				
Aroclor-1232 {5}			249431				
Aroclor-1242			132228				
Aroclor-1242 {2}			288302				
Aroclor-1242 {3}			370314				
Aroclor-1242 {4}			392782				
Aroclor-1242 {5}			281413				
Aroclor-1248			700185				
Aroclor-1248 {2}			868960				
Aroclor-1248 {3}			590367				
Aroclor-1248 {4}			529560				
Aroclor-1248 {5}			379617				
Aroclor-1254			353770				
Aroclor-1254 {2}			475807				
Aroclor-1254 {3}			728310				
Aroclor-1254 {4}			484441				
Aroclor-1254 {5}			1014677				
Aroclor-1260	990237	975912	790800	766961	732459	851274	14.35
Aroclor-1260 {2}	820240	806286	644307	619299	590200	696066	15.63
Aroclor-1260 {3}	855075	840670	695738	684051	662692	747645	12.36
Aroclor-1260 {4}	1821514	1863951	1615368	1627548	1595194	1704715	7.47
Aroclor-1260 {5}	538582	520952	473766	471018	460676	492999	7.00
					Average %RSD		12.61

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/21/2003 Instrument ID: GC-R

Data File: R9556.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.72	4.65	4.79	203996	213904	4.86
Aroclor-1016 {2}	6.11	6.04	6.18	276844	288504	4.21
Aroclor-1016 {3}	7.07	7.00	7.14	373402	382633	2.47
Aroclor-1016 {4}	7.88	7.81	7.95	191491	197182	2.97
Aroclor-1016 {5}	8.33	8.26	8.40	255445	263325	3.08
Aroclor-1260	13.84	13.77	13.91	814285	835255	2.58
Aroclor-1260 {2}	14.39	14.32	14.46	481908	432625	10.23
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1238551	3.07
Aroclor-1260 {4}	16.93	16.86	17.00	578165	590694	2.17
Aroclor-1260 {5}	18.96	18.89	19.03	333471	326297	2.15
					Average %D	3.78

Data File: R9556.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	300105	6.95
Aroclor-1016 {2}	5.51	5.44	5.58	551635	549976	0.30
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1120366	2.46
Aroclor-1016 {4}	7.03	6.96	7.10	524851	533634	1.67
Aroclor-1016 {5}	7.32	7.25	7.39	439068	449821	2.45
Aroclor-1260	12.64	12.57	12.71	851274	853230	0.23
Aroclor-1260 {2}	13.85	13.78	13.92	696066	714977	2.72
Aroclor-1260 {3}	14.82	14.75	14.89	747645	742460	0.69
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1761456	3.33
Aroclor-1260 {5}	18.82	18.75	18.89	492999	501579	1.74
					Average %D	2.25

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/21/2003 Instrument ID: GC-R

Data File: R9561.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.72	4.65	4.79	203996	215448	5.61
Aroclor-1016 {2}	6.11	6.04	6.18	276844	290082	4.78
Aroclor-1016 {3}	7.07	7.00	7.14	373402	385030	3.11
Aroclor-1016 {4}	7.88	7.81	7.95	191491	198086	3.44
Aroclor-1016 {5}	8.33	8.26	8.40	255445	264603	3.59
Aroclor-1260	13.84	13.77	13.91	814285	836191	2.69
Aroclor-1260 {2}	14.39	14.32	14.46	481908	426417	11.51
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1240146	3.21
Aroclor-1260 {4}	16.93	16.86	17.00	578165	591511	2.31
Aroclor-1260 {5}	18.96	18.89	19.03	333471	329279	1.26
					Average %D	4.15

Data File: R9561.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	301529	7.46
Aroclor-1016 {2}	5.51	5.44	5.58	551635	552249	0.11
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1123714	2.17
Aroclor-1016 {4}	7.03	6.96	7.10	524851	536640	2.25
Aroclor-1016 {5}	7.32	7.25	7.39	439068	450701	2.65
Aroclor-1260	12.64	12.57	12.71	851274	857103	0.68
Aroclor-1260 {2}	13.85	13.78	13.92	696066	719616	3.38
Aroclor-1260 {3}	14.82	14.75	14.89	747645	745818	0.24
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1765761	3.58
Aroclor-1260 {5}	18.82	18.75	18.89	492999	508361	3.12
					Average %D	2.56

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/24/2003 Instrument ID: GC-R

Data File: R9567.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.71	4.64	4.78	203996	218446	7.08
Aroclor-1016 {2}	6.11	6.04	6.18	276844	293592	6.05
Aroclor-1016 {3}	7.06	6.99	7.13	373402	386034	3.38
Aroclor-1016 {4}	7.87	7.80	7.94	191491	199151	4.00
Aroclor-1016 {5}	8.32	8.25	8.39	255445	266635	4.38
Aroclor-1260	13.83	13.76	13.90	814285	844856	3.75
Aroclor-1260 {2}	14.39	14.32	14.46	481908	386638	19.77
Aroclor-1260 {3}	16.01	15.94	16.08	1201619	1251166	4.12
Aroclor-1260 {4}	16.92	16.85	16.99	578165	593328	2.62
Aroclor-1260 {5}	18.95	18.88	19.02	333471	325254	2.46
					Average %D	5.76

Data File: R9567.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	292390	4.20
Aroclor-1016 {2}	5.52	5.45	5.59	551635	540371	2.04
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1081265	5.87
Aroclor-1016 {4}	7.03	6.96	7.10	524851	523090	0.34
Aroclor-1016 {5}	7.32	7.25	7.39	439068	439746	0.15
Aroclor-1260	12.65	12.58	12.72	851274	829699	2.53
Aroclor-1260 {2}	13.85	13.78	13.92	696066	700882	0.69
Aroclor-1260 {3}	14.82	14.75	14.89	747645	723210	3.27
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1709965	0.31
Aroclor-1260 {5}	18.81	18.74	18.88	492999	472583	4.14
					Average %D	2.35

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/24/2003 Instrument ID: GC-R

Data File: R9589.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.72	4.65	4.79	203996	214171	4.99
Aroclor-1016 {2}	6.12	6.05	6.19	276844	292483	5.65
Aroclor-1016 {3}	7.07	7.00	7.14	373402	389536	4.32
Aroclor-1016 {4}	7.88	7.81	7.95	191491	199412	4.14
Aroclor-1016 {5}	8.33	8.26	8.40	255445	264840	3.68
Aroclor-1260	13.84	13.77	13.91	814285	815896	0.20
Aroclor-1260 {2}	14.39	14.32	14.46	481908	454749	5.64
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1176160	2.12
Aroclor-1260 {4}	16.93	16.86	17.00	578165	561972	2.80
Aroclor-1260 {5}	18.96	18.89	19.03	333471	313208	6.08
					Average %D	3.96

Data File: R9589.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	293943	4.76
Aroclor-1016 {2}	5.51	5.44	5.58	551635	555723	0.74
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1190573	3.65
Aroclor-1016 {4}	7.03	6.96	7.10	524851	604747	15.22
Aroclor-1016 {5}	7.32	7.25	7.39	439068	460215	4.82
Aroclor-1260	12.64	12.57	12.71	851274	855159	0.46
Aroclor-1260 {2}	13.85	13.78	13.92	696066	669761	3.78
Aroclor-1260 {3}	14.82	14.75	14.89	747645	725173	3.01
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1648505	3.30
Aroclor-1260 {5}	18.82	18.75	18.89	492999	463152	6.05
					Average %D	4.58

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/21/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(1235.1283)	0221-BLK3	AQUEOUS	63		41		61		48	
FIELD_BLANK	01235-010	AQUEOUS	60		43		68		54	
FB021903	01283-011	AQUEOUS	56		40		65		50	
PCB	PBW0221-MS3	AQUEOUS	61		40		60		47	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/24/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(1235..1287)	0221-BLK1	SOIL	63		40		61		46	
SB-T12-0/0	01235-001	SOIL	66		41		63		48	
SB-T12-11/	01235-002	SOIL	56		39		54		47	
SB-T12-14/	01235-003	SOIL	58		41		56		46	
SB-W13-0/	01235-004	SOIL	32		24	*	32		28	*
SB-W13-12/	01235-005	SOIL	51		39		49		46	
SB-W13-19/	01235-006	SOIL	61		41		60		51	
SB-W15-0/	01235-007	SOIL	56		47		57		46	
SB-W15-11.	01235-008	SOIL	62		40		68		84	
SB-W15-16.	01235-009	SOIL	64		44		63		47	
GIARDINA_WA	01287-001	SOIL	58		39		56		46	
PCB	01287-001-MS1	SOIL	57		40		55		47	
PCB	01287-001-MSD1	SOIL	57		39		55		46	
PCB	PBS0221-MS1	SOIL	63		39		61		46	
PFD-26/0.5-1.0	01295-001	SOIL	62		40		62		46	
PFD-30/0.0-0.5	01295-002	SOIL	37		27	*	36		27	*
PFD-31/0.0-0.5	01295-003	SOIL	49		33		49		37	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00923-003-MSD3

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	6.7	134	52 - 141
Aroclor-1260	5.0	0.0	7.6	152	49 - 162

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD -% # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	6.7	134	0	15	52 - 141
Aroclor-1260	0.0	7.6	152	0	19	49 - 162

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBW0221-MS3

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	4.7	94	52 - 141
Aroclor-1260	5.0	0.0	5.2	104	49 - 162

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01287-001-MSD1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	4.2	84	58 - 140
Aroclor-1260	5.0	0.0	4.8	96	56 - 161

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	4.2	84	0	14	58 - 140
Aroclor-1260	0.0	4.8	96	0	18	56 - 161

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBS0221-MS1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	4.5	90	58 - 140
Aroclor-1260	5.0	0.0	4.9	98	56 - 161

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.97 **DCB 1** 21.04 **TCMX 2** 3.42 **DCB 2** 20.01

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
(1235.1283)	0221-BLK3	02/21/2003	16:34	3.97		21.04		3.42		20.01	
FIELD_BLANK	01235-010	02/21/2003	17:01	3.97		21.04		3.42		20.01	
FB021903	01283-011	02/21/2003	17:28	3.97		21.04		3.42		20.01	
PCB	PBW0221-MS3	02/21/2003	17:54	3.97		21.04		3.42		20.01	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.05 Minutes)

DCB = Decachlorobiphenyl (± 0.05 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.97 **DCB 1** 21.04 **TCMX 2** 3.42 **DCB 2** 20.01

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
(1235..1287)	0221-BLK1	02/24/2003	11:21	3.97		21.04		3.42		20.01	
SB-T12-0/0	01235-001	02/24/2003	11:47	3.96		21.03		3.42		20.01	
SB-T12-11/	01235-002	02/24/2003	12:13	3.97		21.04		3.42		20.01	
SB-T12-14/	01235-003	02/24/2003	12:40	3.97		21.04		3.42		20.01	
SB-W13-0/	01235-004	02/24/2003	13:06	3.97		21.04		3.42		20.01	
SB-W13-12/	01235-005	02/24/2003	13:32	3.97		21.04		3.42		20.01	
SB-W13-19/	01235-006	02/24/2003	13:58	3.97		21.04		3.42		20.01	
SB-W15-0/	01235-007	02/24/2003	14:25	3.97		21.04		3.42		20.01	
SB-W15-11.	01235-008	02/24/2003	14:51	3.97		21.04		3.42		20.01	
SB-W15-16.	01235-009	02/24/2003	15:17	3.97		21.04		3.42		20.02	
GIARDINA_WA	01287-001	02/24/2003	15:43	3.97		21.04		3.42		20.01	
PCB	01287-001-MS1	02/24/2003	16:10	3.97		21.04		3.42		20.01	
PCB	01287-001-MSD1	02/24/2003	16:36	3.97		21.04		3.42		20.01	
PCB	PBS0221-MS1	02/24/2003	17:02	3.97		21.04		3.42		20.01	
PFD-26/0.5-1.0	01295-001	02/24/2003	17:28	3.97		21.04		3.42		20.01	
PFD-30/0.0-0.5	01295-002	02/24/2003	17:55	3.97		21.04		3.42		20.01	
PFD-31/0.0-0.5	01295-003	02/24/2003	18:21	3.97		21.04		3.42		20.01	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.05 Minutes)

DCB = Decachlorobiphenyl (± 0.05 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9569.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9569.D\ECD2A.CH
Acq On : 24 Feb 2003 11:47 Operator: MJ
Sample : SB-T12-0/0,01235-001,S,5.58g,9.30,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 12:11:05 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.96	3.42	1404.6E6	1790.9E6	66.265	63.024
Spiked Amount 100.000	Range 75 - 125		Recovery =		66.27%#	63.02%#
2) S DCB	21.03	20.01	422.7E6	526.0E6	41.078	47.656
Spiked Amount 100.000			Recovery =		41.08%	47.66%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

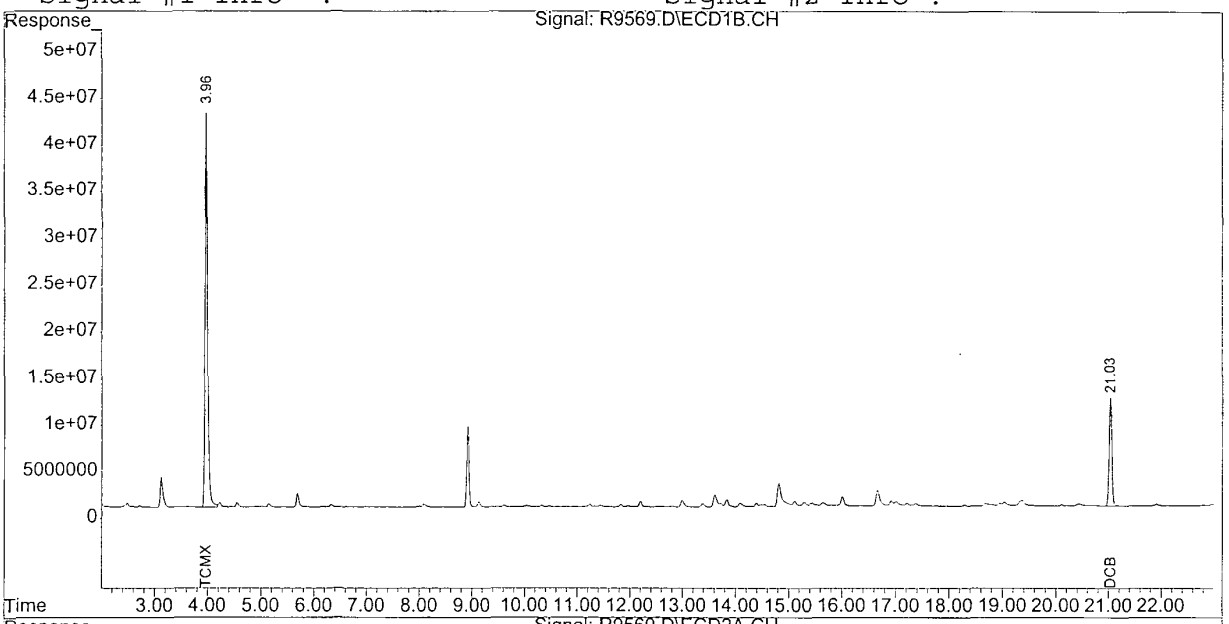
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

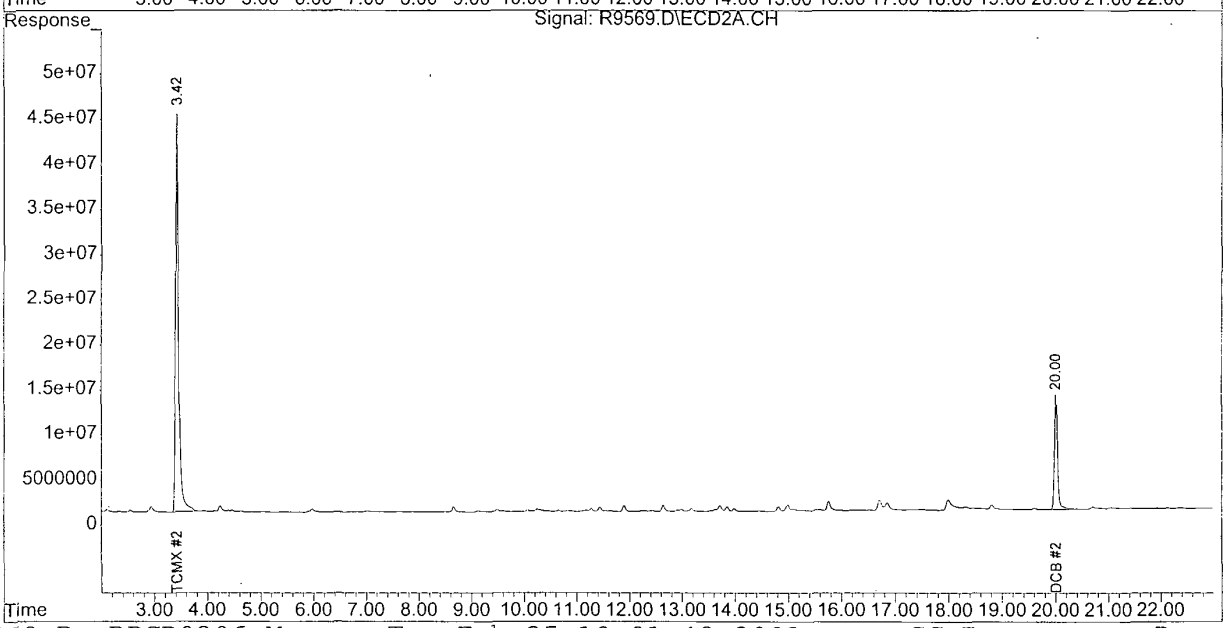
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9569.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9569.D\ECD2A.CH
Acq On : 24 Feb 2003 11:47 Operator: MJ
Sample : SB-T12-0/0,01235-001,S,5.58g,9.30,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:04 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9570.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9570.D\ECD2A.CH
Acq On : 24 Feb 2003 12:13 Operator: MJ
Sample : SB-T12-11/,01235-002,S,5.19g,16.9,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 12:37:16 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1186.3E6	1529.9E6	55.967	53.837
Spiked Amount 100.000	Range 75 - 125		Recovery =		55.97%#	53.84%#
2) S DCB	21.04	20.01	402.8E6	521.4E6	39.143	47.238
Spiked Amount 100.000			Recovery =		39.14%	47.24%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

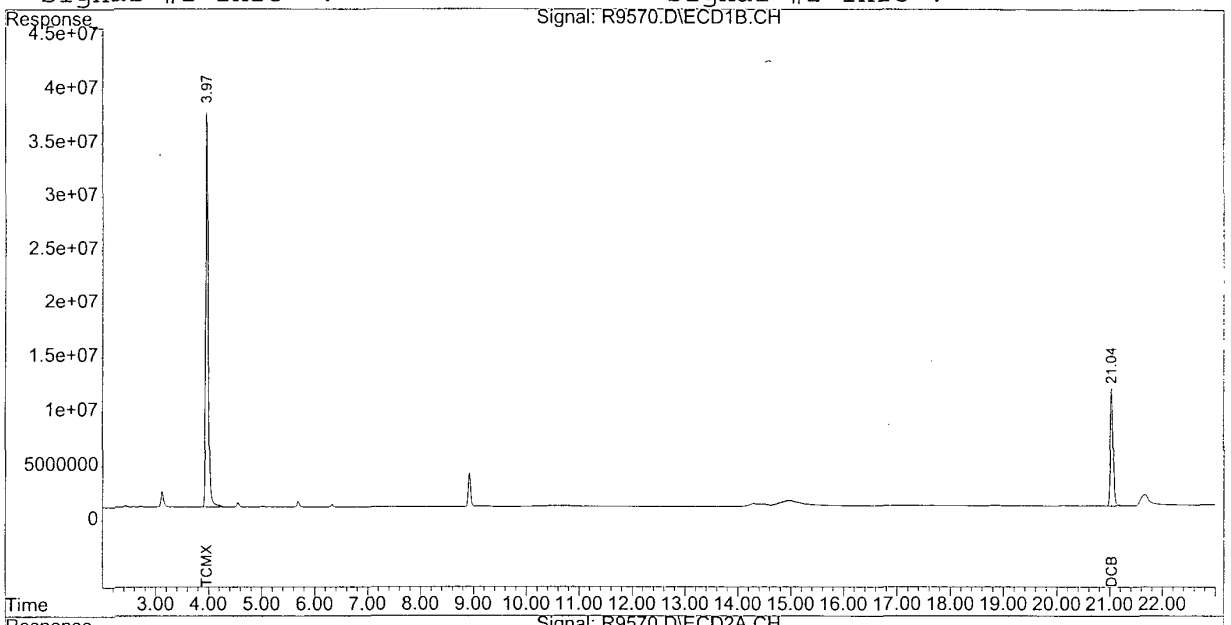
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

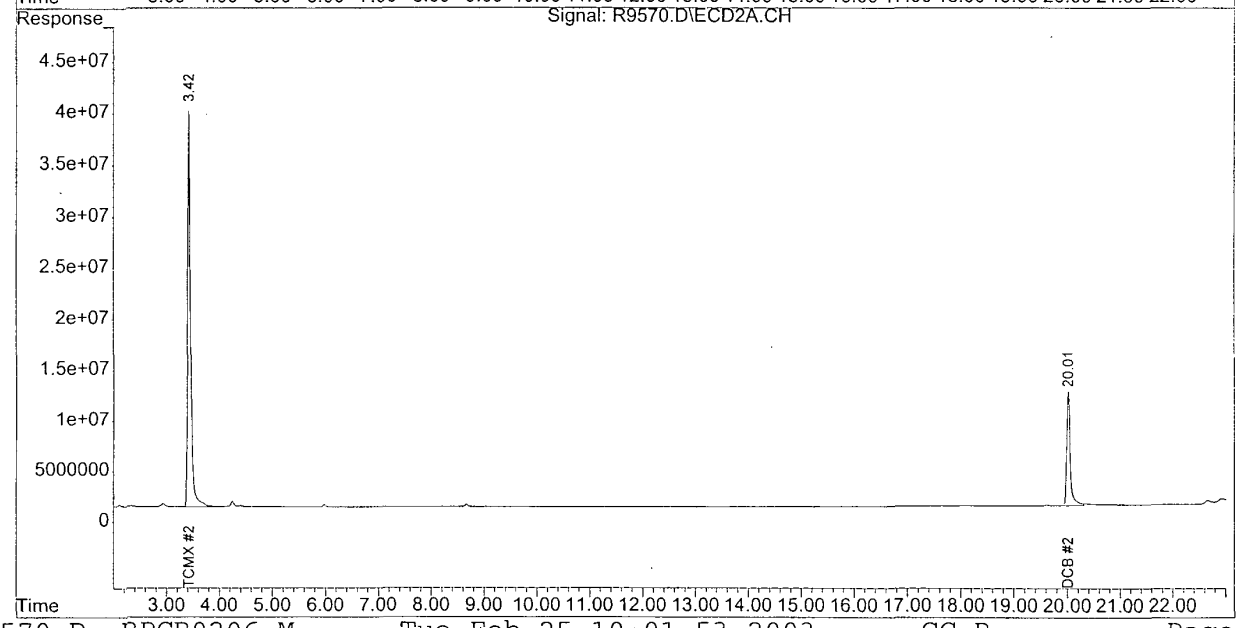
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9570.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9570.D\ECD2A.CH
Acq On : 24 Feb 2003 12:13 Operator: MJ
Sample : SB-T12-11/,01235-002,S,5.19g,16.9,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:05 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9571.D\ECD1B.CH Vial: 5
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9571.D\ECD2A.CH
Acq On : 24 Feb 2003 12:40 Operator: MJ
Sample : SB-T12-14/,01235-003,S,5.91g,17.1,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:03:31 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1237.8E6	1589.3E6	58.395	55.926
Spiked Amount 100.000	Range 75 - 125		Recovery =		58.40%#	55.93%#
2) S DCB	21.04	20.01	418.4E6	508.5E6	40.664	46.070
Spiked Amount 100.000			Recovery =		40.66%	46.07%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

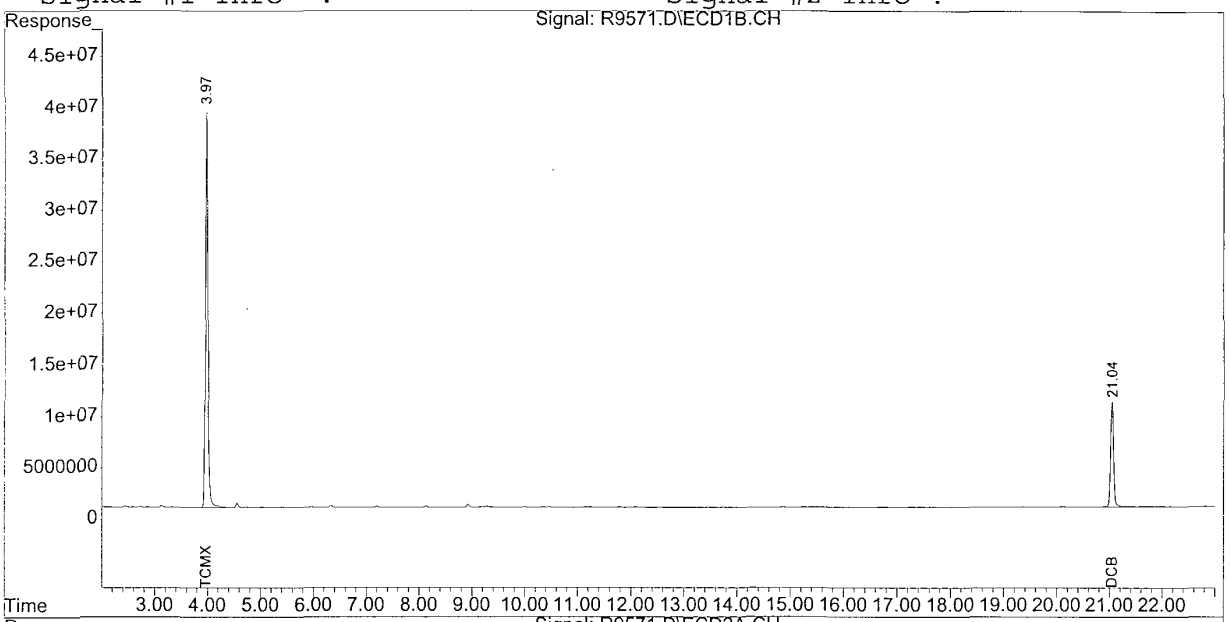
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

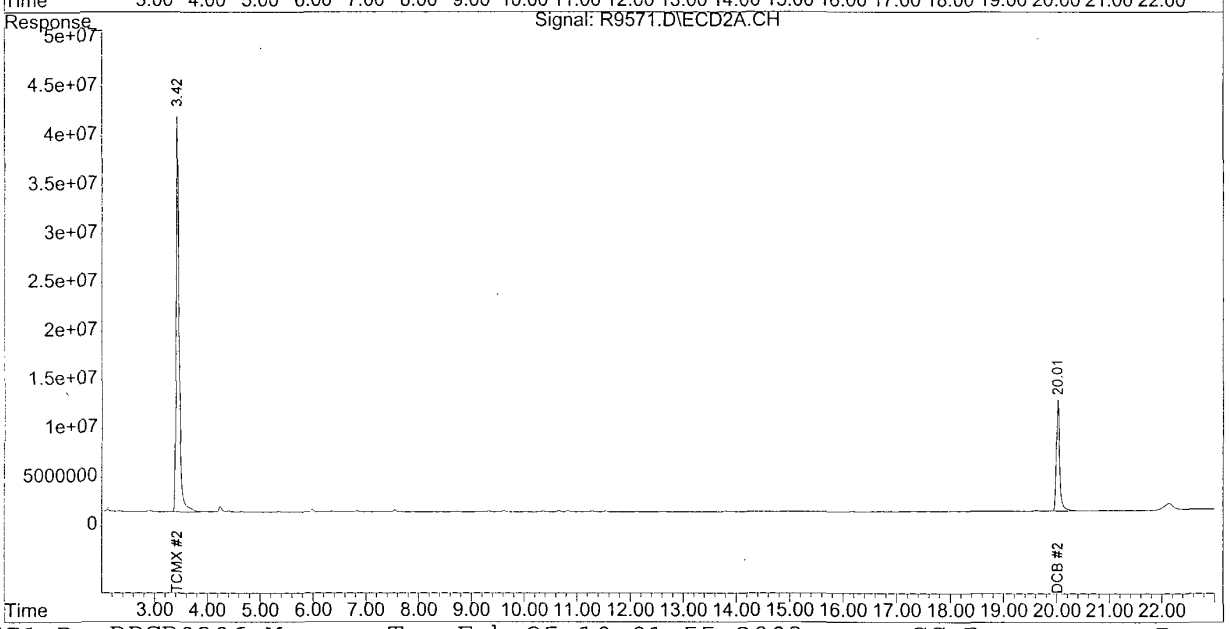
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9571.D\ECD1B.CH Vial: 5
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9571.D\ECD2A.CH
Acq On : 24 Feb 2003 12:40 Operator: MJ
Sample : SB-T12-14/,01235-003,S,5.91g,17.1,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:05 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9572.D\ECD1B.CH Vial: 6
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9572.D\ECD2A.CH
Acq On : 24 Feb 2003 13:06 Operator: MJ
Sample : SB-W13-0/,01235-004,S,5.60g,14.0,02/21/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:29:51 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	676.9E6	907.7E6	31.932	31.943
Spiked Amount 100.000 Range 75 - 125 Recovery =					31.93%#	31.94%#
2) S DCB	21.04	20.01	242.3E6	306.8E6	23.545	27.795
Spiked Amount 100.000 Recovery =					23.55%	27.80%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

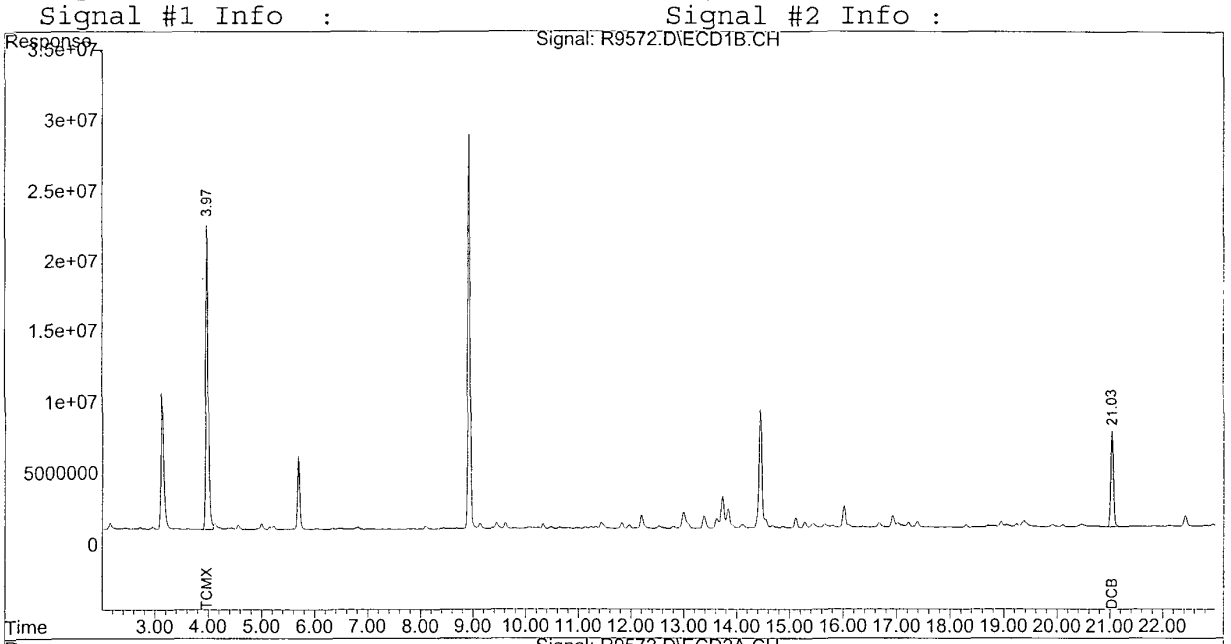
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

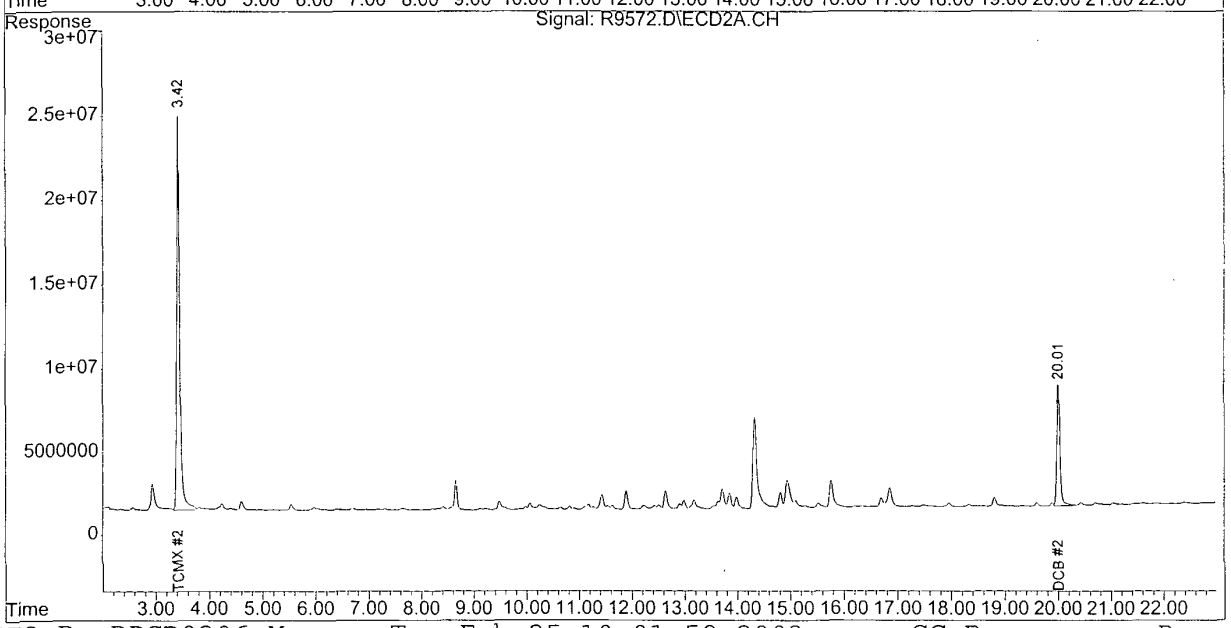
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9572.D\ECD1B.CH Vial: 6
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9572.D\ECD2A.CH
Acq On : 24 Feb 2003 13:06 Operator: MJ
Sample : SB-W13-0/,01235-004,S,5.60g,14.0,02/21/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:30 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0356

301614

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9573.D\ECD1B.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9573.D\ECD2A.CH
Acq On : 24 Feb 2003 13:32 Operator: MJ
Sample : SB-W13-12/,01235-005,S,5.12g,16.6,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:56:06 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1087.8E6	1388.6E6	51.318	48.866
Spiked Amount 100.000	Range 75 - 125		Recovery =		51.32%#	48.87%#
2) S DCB	21.04	20.01	403.4E6	511.0E6	39.203	46.302
Spiked Amount 100.000			Recovery =		39.20%	46.30%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

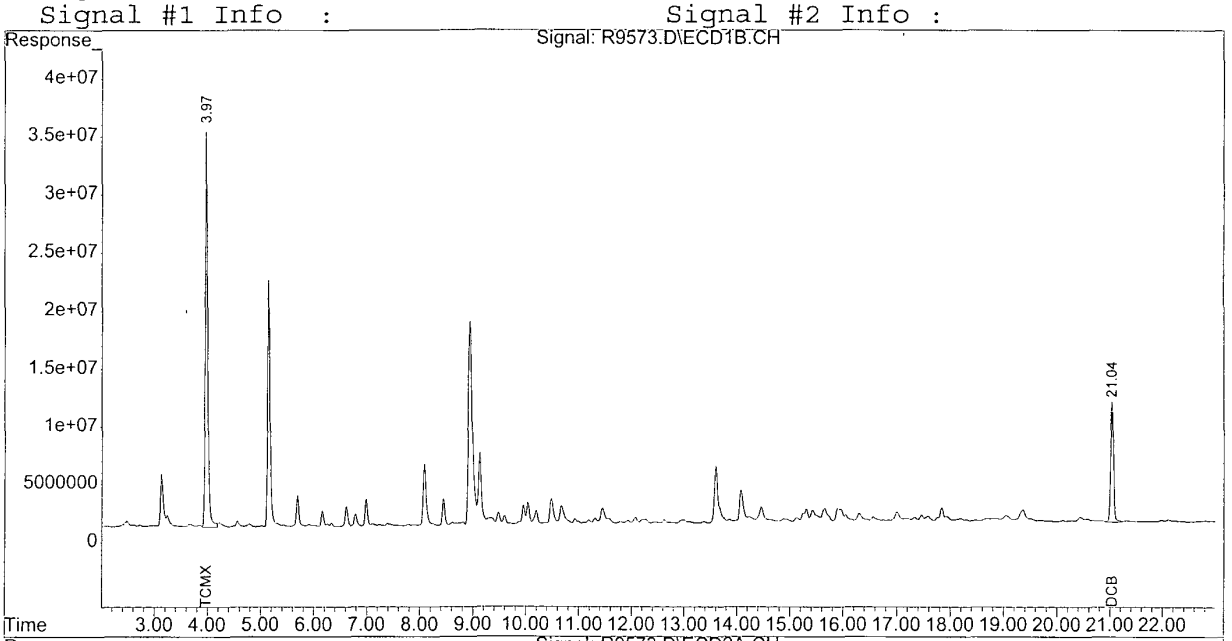
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

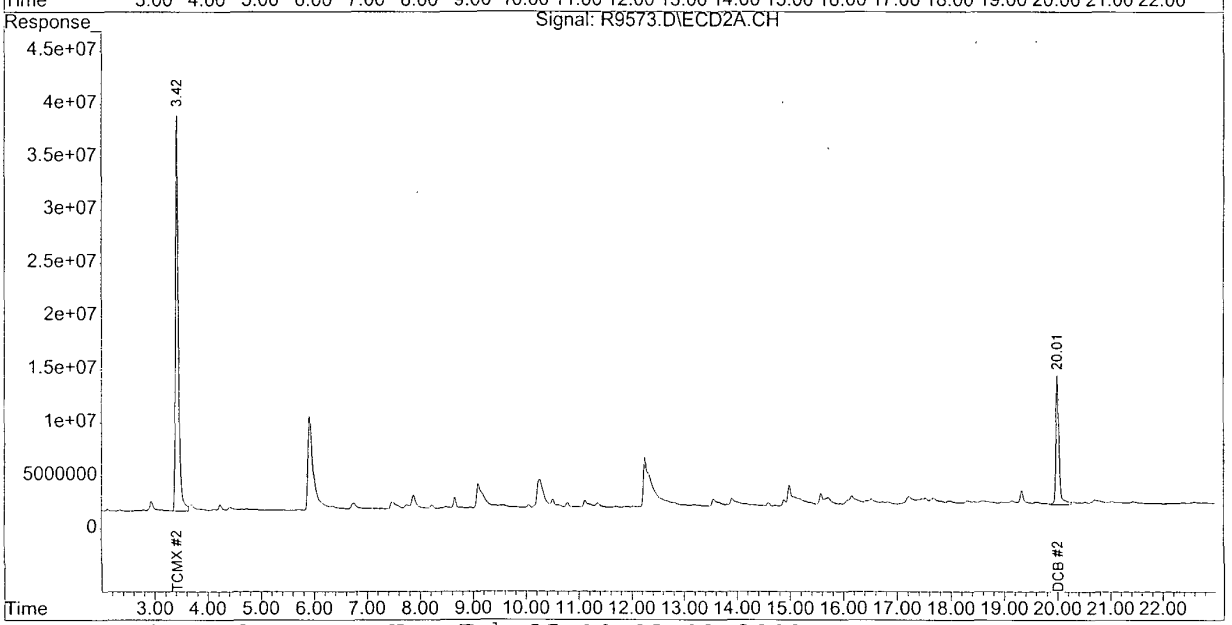
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9573.D\ECD1B.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9573.D\ECD2A.CH
Acq On : 24 Feb 2003 13:32 Operator: MJ
Sample : SB-W13-12/,01235-005,S,5.12g,16.6,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 13:56 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9574.D\ECD1B.CH Vial: 8
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9574.D\ECD2A.CH
Acq On : 24 Feb 2003 13:58 Operator: MJ
Sample : SB-W13-19/,01235-006,S,5.73g,19.0,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 14:22:12 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1297.2E6	1696.4E6	61.198	59.698
Spiked Amount 100.000 Range 75 - 125 Recovery =					61.20%#	59.70%#
2) S DCB	21.04	20.01	419.9E6	562.1E6	40.811	50.930
Spiked Amount 100.000 Recovery =					40.81%	50.93%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

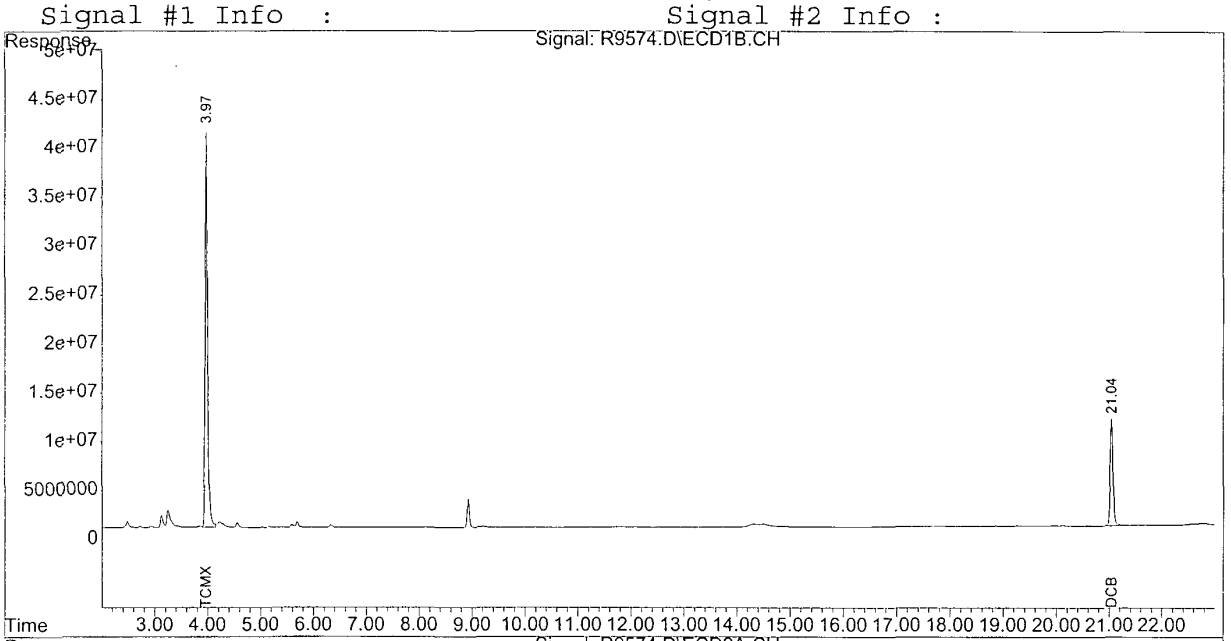
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

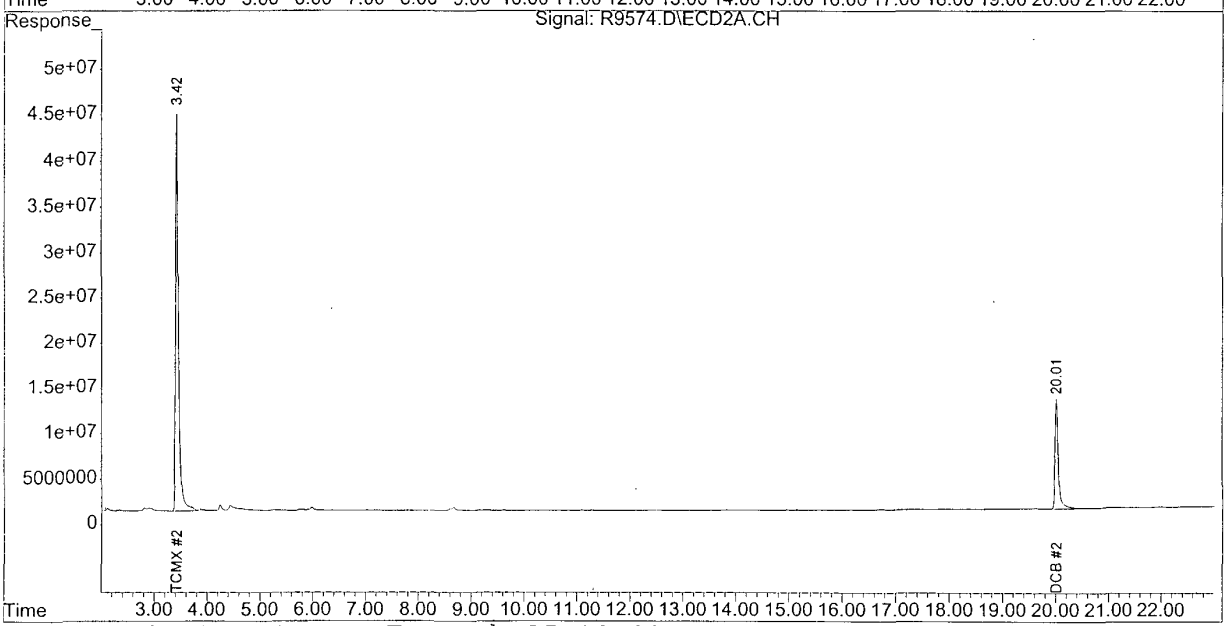
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9574.D\ECD1B.CH Vial: 8
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9574.D\ECD2A.CH
Acq On : 24 Feb 2003 13:58 Operator: MJ
Sample : SB-W13-19/,01235-006,S,5.73g,19.0,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 15:17 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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301618

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9575.D\ECD1B.CH Vial: 9
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9575.D\ECD2A.CH
Acq On : 24 Feb 2003 14:25 Operator: MJ
Sample : SB-W15-0/,01235-007,S,5.04g,13.7,02/21/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 14:48:34 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1188.4E6	1615.8E6	56.065	56.860
Spiked Amount 100.000	Range 75 - 125		Recovery =		56.06%#	56.86%#
2) S DCB	21.04	20.01	485.2E6	507.1E6	47.156	45.942
Spiked Amount 100.000			Recovery =		47.16%	45.94%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

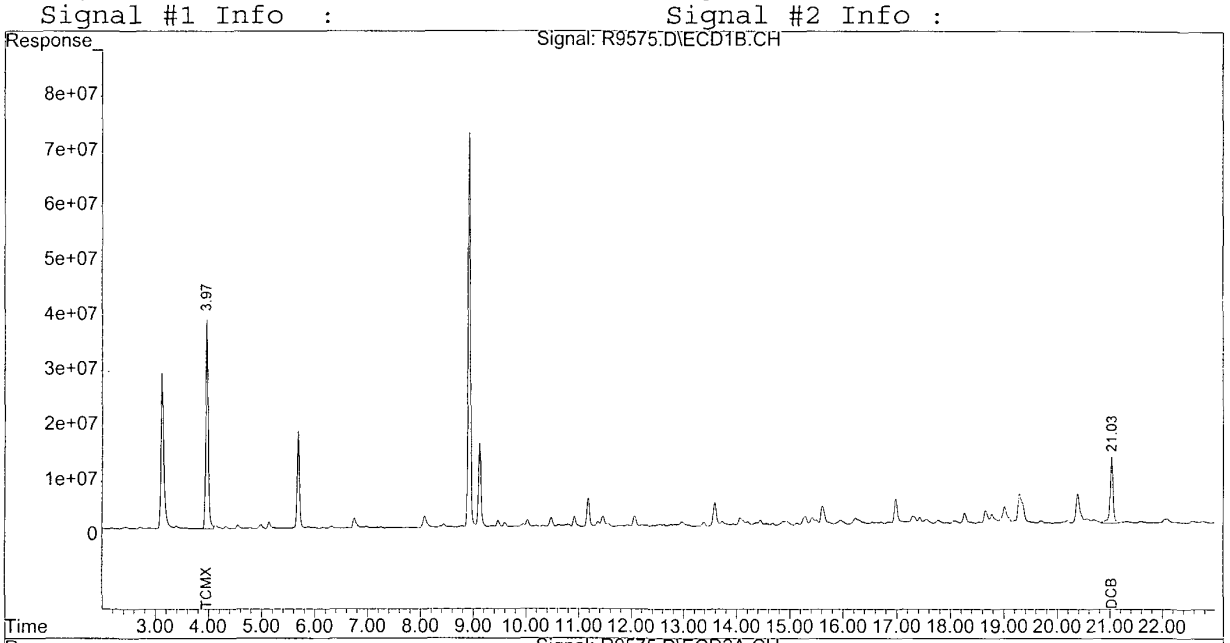
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

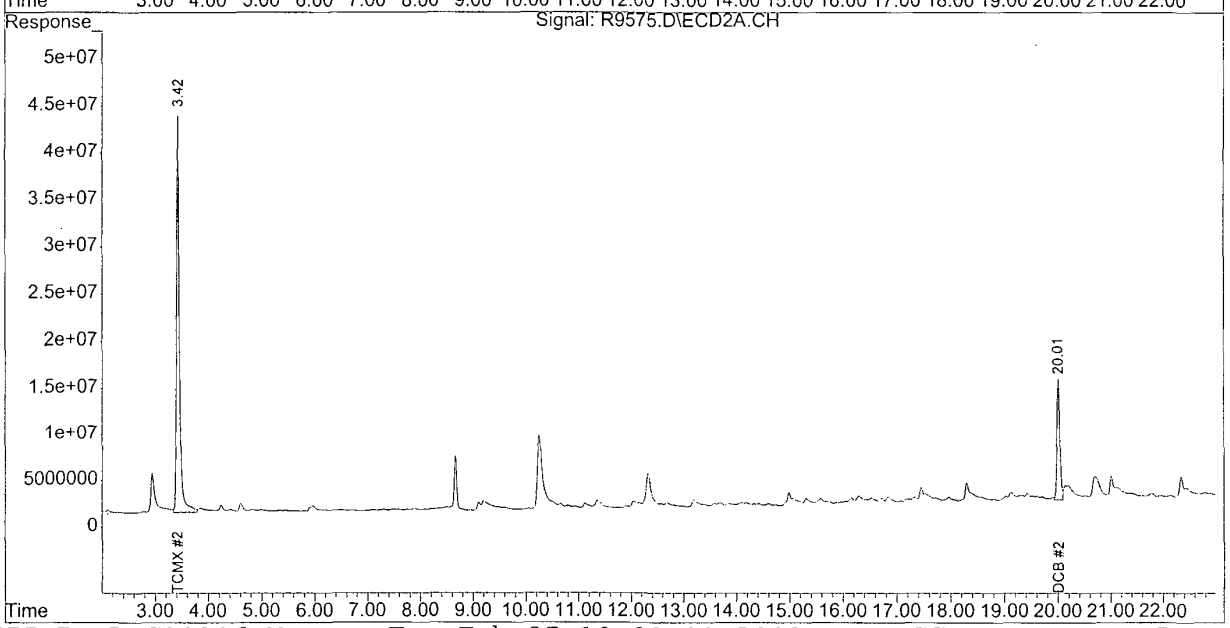
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9575.D\ECD1B.CH Vial: 9
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9575.D\ECD2A.CH
Acq On : 24 Feb 2003 14:25 Operator: MJ
Sample : SB-W15-0/,01235-007,S,5.04g,13.7,02/21/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 15:19 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9576.D\ECD1B.CH Vial: 10
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9576.D\ECD2A.CH
Acq On : 24 Feb 2003 14:51 Operator: MJ
Sample : SB-W15-11.,01235-008,S,5.42g,18.6,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 15:14:44 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1304.8E6	1938.5E6	61.554	68.218
Spiked Amount 100.000	Range 75 - 125		Recovery =		61.55%#	68.22%#
2) S DCB	21.04	20.01	408.5E6	922.0E6	39.700	83.537 #
Spiked Amount 100.000			Recovery =		39.70%	83.54%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

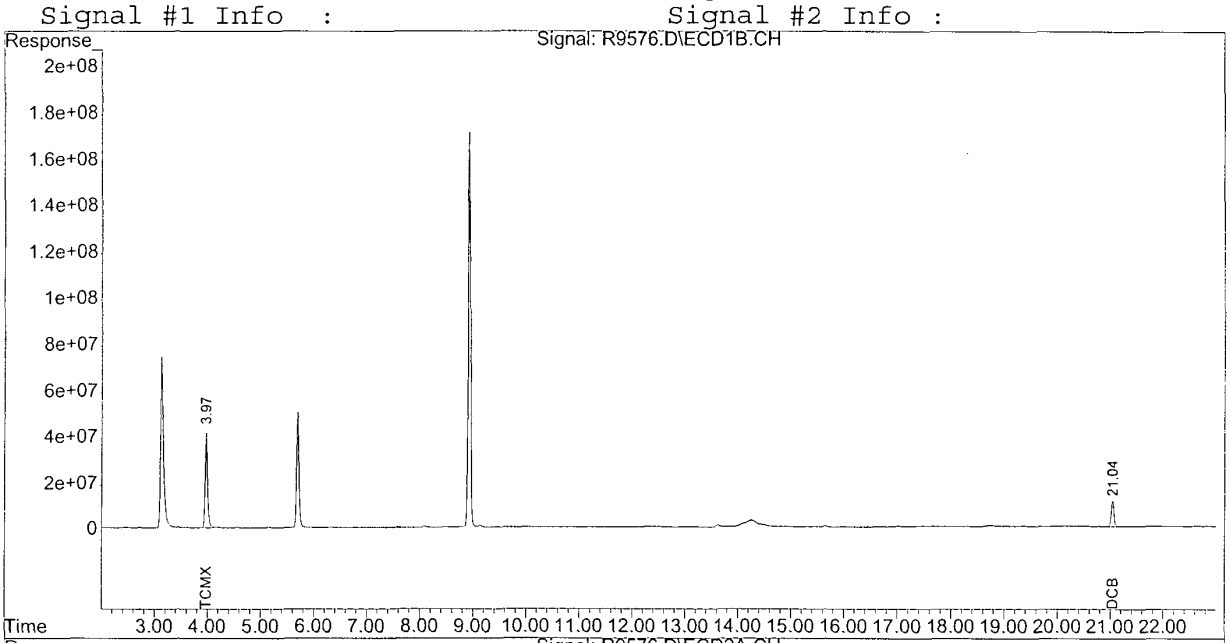
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

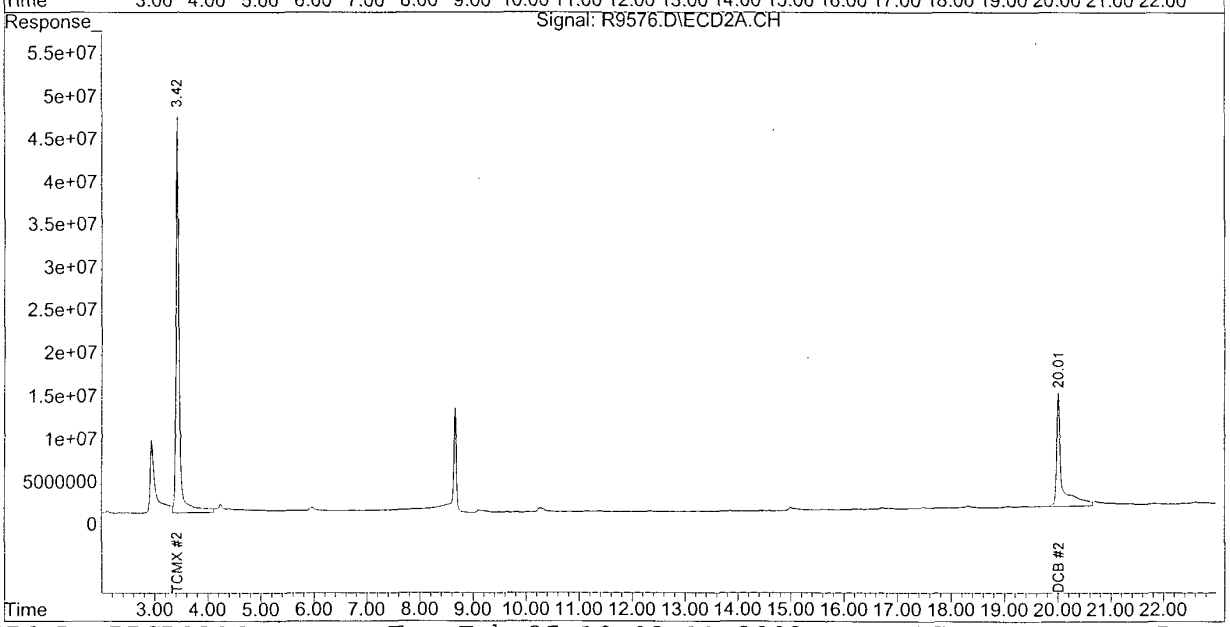
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9576.D\ECD1B.CH Vial: 10
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9576.D\ECD2A.CH
Acq On : 24 Feb 2003 14:51 Operator: MJ
Sample : SB-W15-11.,01235-008,S,5.42g,18.6,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 15:20 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0364

301622

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9577.D\ECD1B.CH Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9577.D\ECD2A.CH
Acq On : 24 Feb 2003 15:17 Operator: MJ
Sample : SB-W15-16.,01235-009,S,5.45g,15.0,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 15:40:58 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1362.2E6	1783.0E6	64.262	62.745
Spiked Amount 100.000 Range 75 - 125 Recovery =					64.26%#	62.74%#
2) S DCB	21.04	20.02	450.5E6	523.4E6	43.787	47.420
Spiked Amount 100.000 Recovery =					43.79%	47.42%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

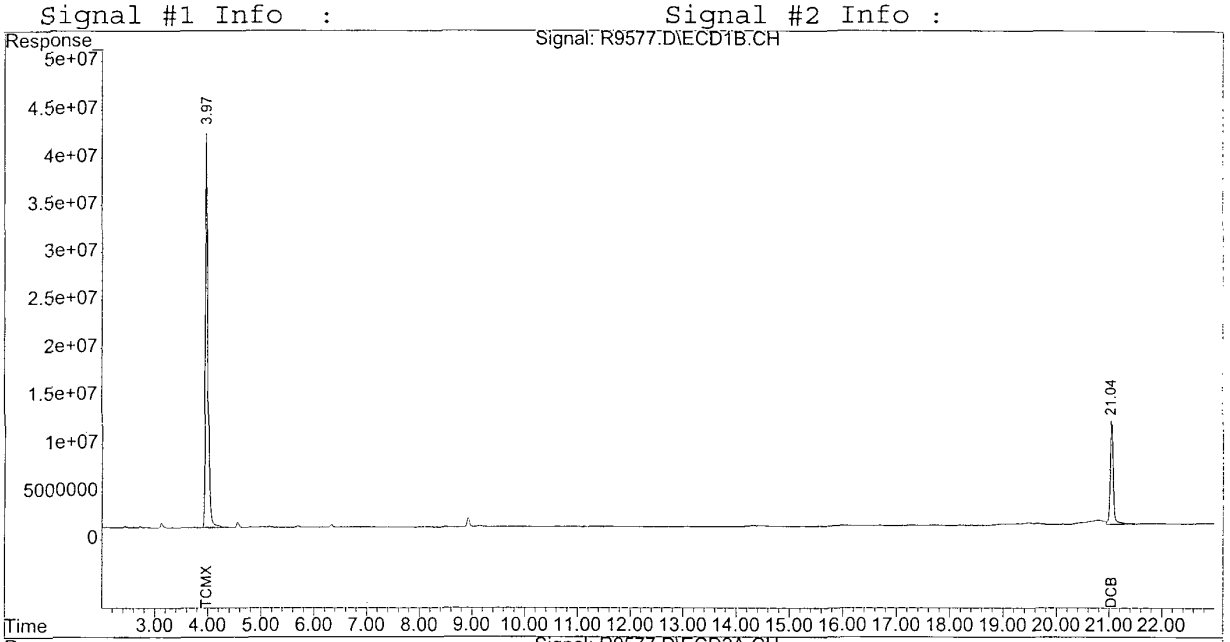
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

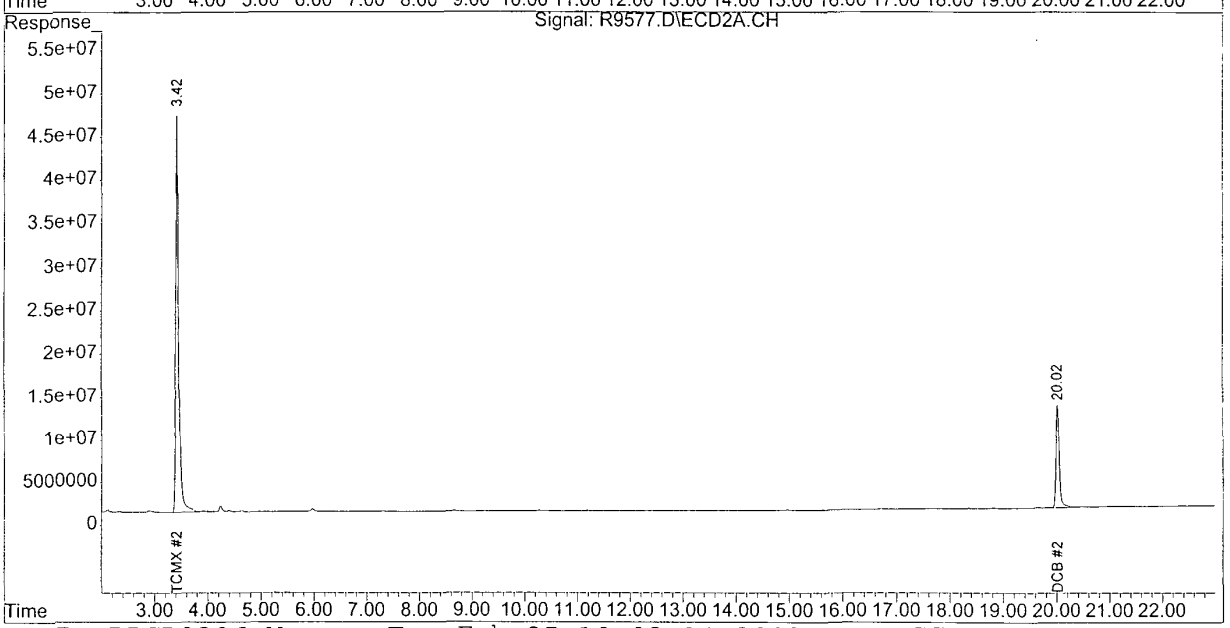
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9577.D\ECD1B.CH Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9577.D\ECD2A.CH
Acq On : 24 Feb 2003 15:17 Operator: MJ
Sample : SB-W15-16.,01235-009,S,5.45g,15.0,02/21/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 8:58 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0366

301624

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9558.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9558.D\ECD2A.CH
Acq On : 21 Feb 2003 17:01 Operator: MJ
Sample : FIELD_BLANK,01235-010,A,1000mL,100,02/21 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,10 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 21 17:25:39 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	127.9E6	193.8E6	6.034	6.819
Spiked Amount 100.000	Range 75 - 125		Recovery =		6.03%#	6.82%#
2) S DCB	21.04	20.01	44600744	59238576	4.335	5.367
Spiked Amount 100.000			Recovery =		4.34%	5.37%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

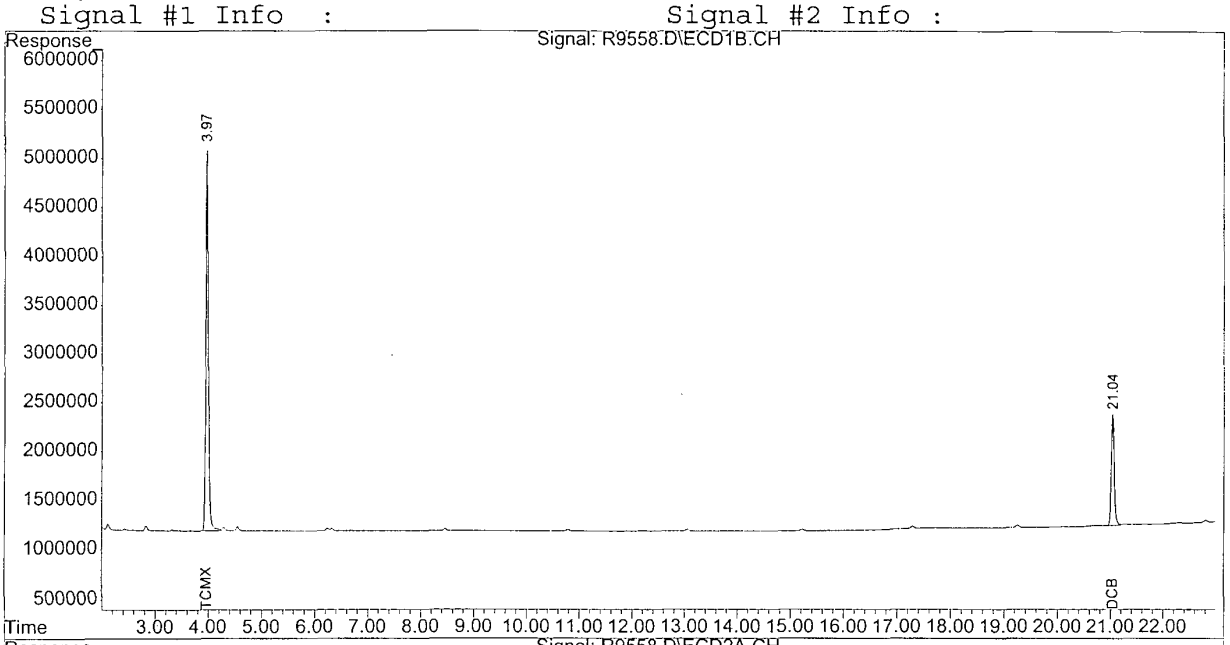
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

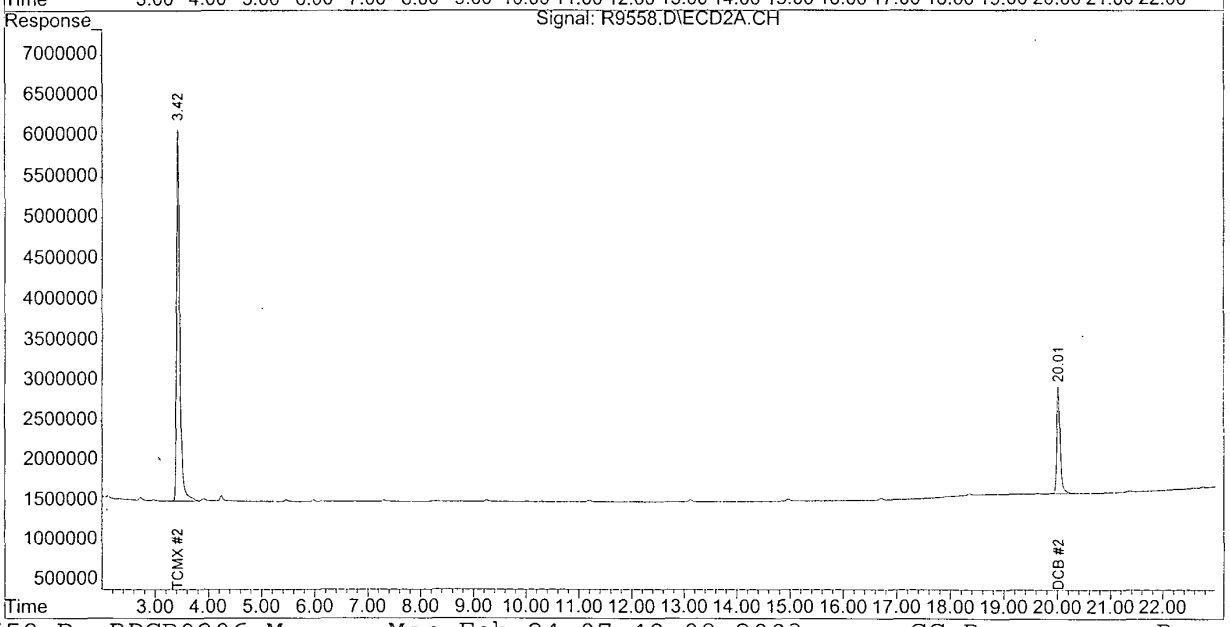
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9558.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9558.D\ECD2A.CH
Acq On : 21 Feb 2003 17:01 Operator: MJ
Sample : FIELD_BLANK,01235-010,A,1000mL,100,02/21 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/14/03,02/14/03,10 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 7:30 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0368

301626

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9557.D\ECD1B.CH Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9557.D\ECD2A.CH
Acq On : 21 Feb 2003 16:34 Operator: MJ
Sample : (1235.1283),0221-BLK3,A,1000mL,100,02/21 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 21 16:58:21 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1326.0E6	1733.9E6	62.557	61.015
Spiked Amount 100.000	Range 75 - 125		Recovery =		62.56%#	61.02%#
2) S DCB	21.04	20.01	419.4E6	528.8E6	40.756	47.906
Spiked Amount 100.000			Recovery =		40.76%	47.91%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

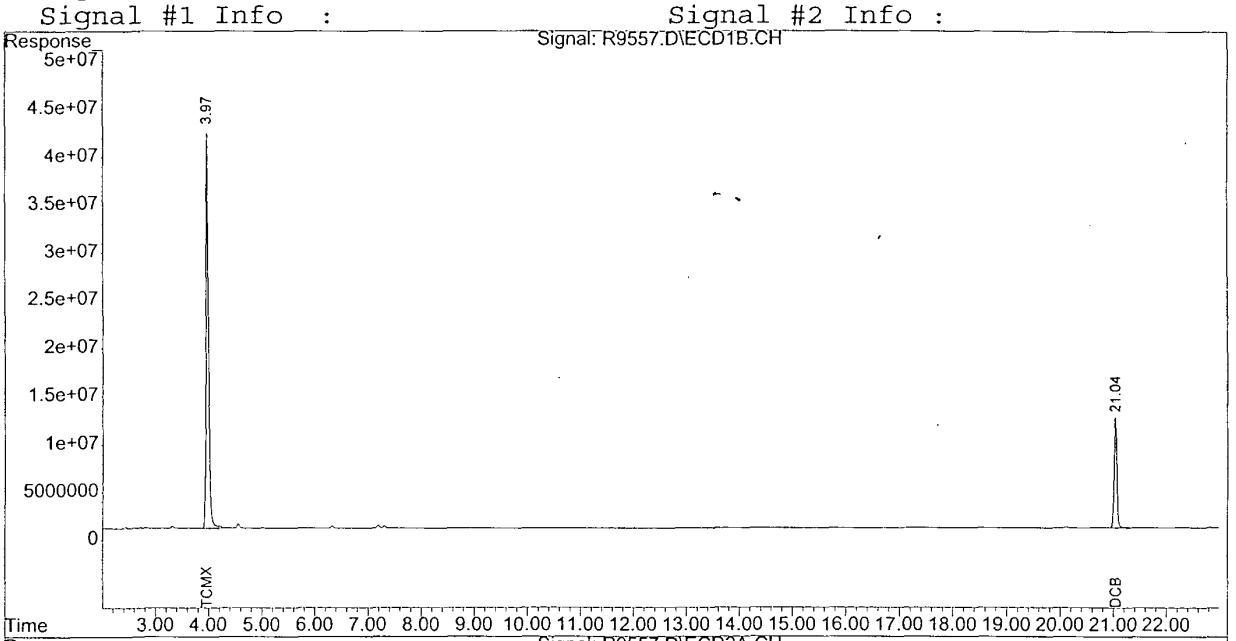
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

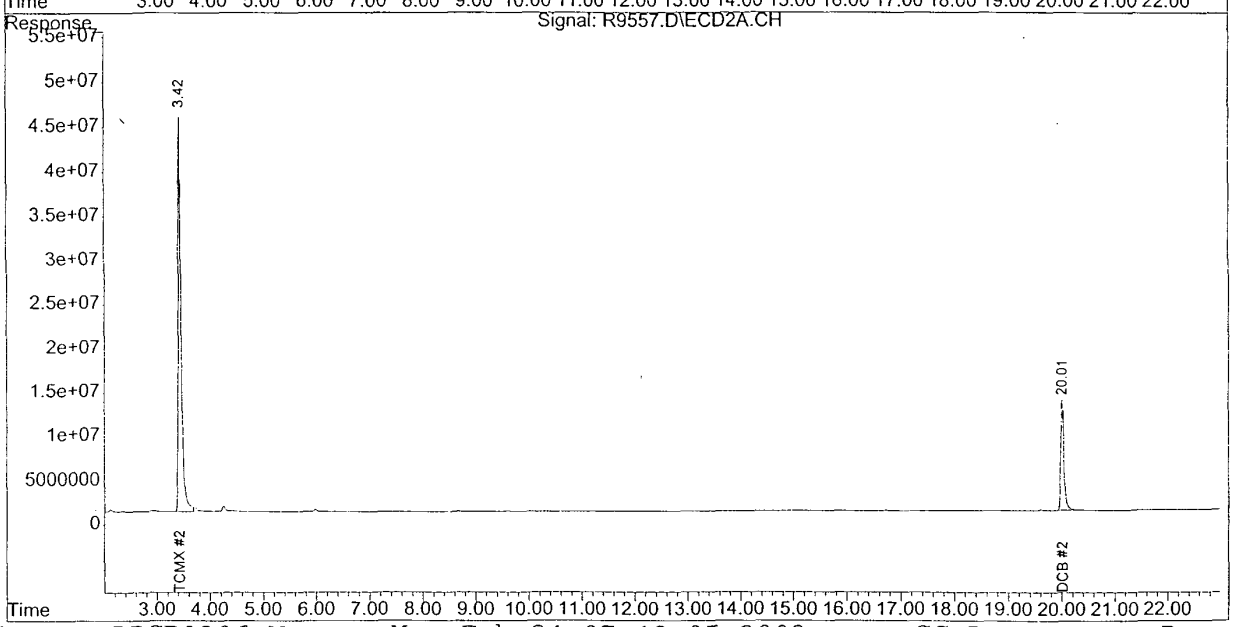
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9557.D\ECD1B.CH Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9557.D\ECD2A.CH
Acq On : 21 Feb 2003 16:34 Operator: MJ
Sample : (1235.1283),0221-BLK3,A,1000mL,100,02/21 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 7:30 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0370

301628

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9568.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9568.D\ECD2A.CH
Acq On : 24 Feb 2003 11:21 Operator: MJ
Sample : (1235..1287),0221-BLK1,S,5g,0,02/21/03,4 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 11:44:41 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1342.6E6	1723.7E6	63.342	60.657
Spiked Amount 100.000 Range 75 - 125 Recovery =					63.34%#	60.66%#
2) S DCB	21.04	20.01	408.9E6	509.8E6	39.737	46.193
Spiked Amount 100.000 Recovery =					39.74%	46.19%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

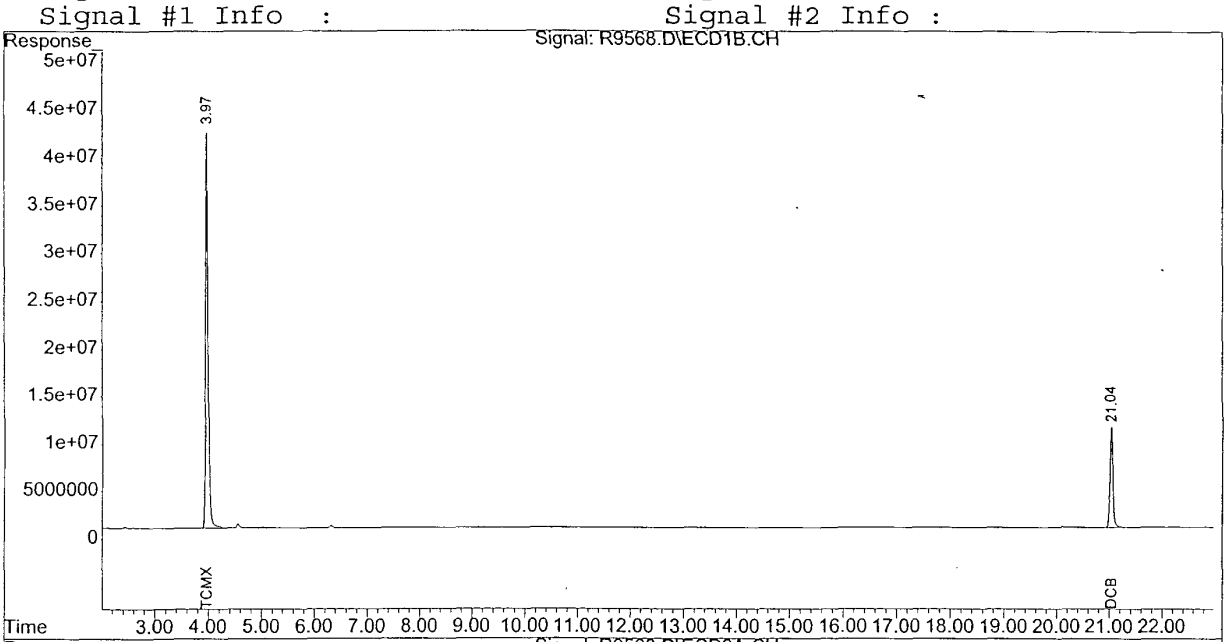
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

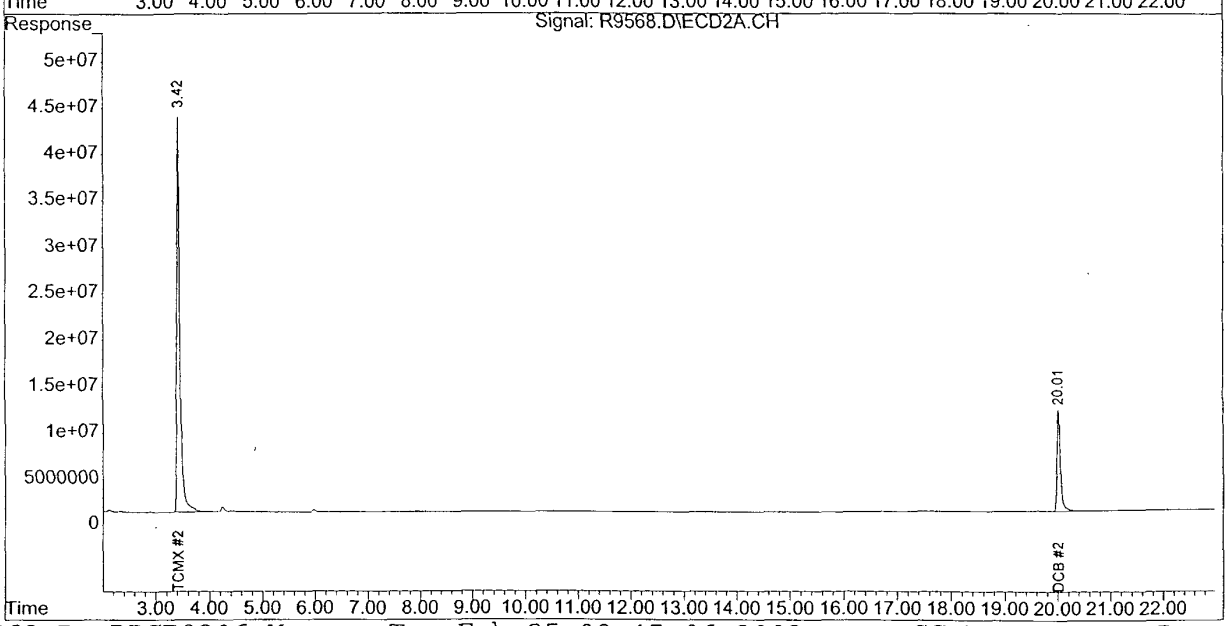
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9568.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9568.D\ECD2A.CH
Acq On : 24 Feb 2003 11:21 Operator: MJ
Sample : (1235..1287),0221-BLK1,S,5g,0,02/21/03,4 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 11:51 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9556.D\ECD1B.CH Vial: 17
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9556.D\ECD2A.CH
Acq On : 21 Feb 2003 16:08 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 21 16:32:09 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1064.0E6	1401.1E6	50.197	49.307
Spiked Amount 100.000 Range 75 - 125 Recovery =					50.20%#	49.31%#
2) S DCB	21.04	20.01	331.9E6	424.8E6	32.255	38.489
Spiked Amount 100.000 Recovery =					32.26%	38.49%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	107.0E6	150.1E6	524.284	534.760
4) L2 Aroclor-1016 {2}	6.11	5.51	144.3E6	275.0E6	521.059	498.496
5) L2 Aroclor-1016 {3}	7.07	6.70	191.3E6	560.2E6	512.361	487.692
6) L2 Aroclor-1016 {4}	7.88	7.03	98590909	266.8E6	514.858	508.367
7) L2 Aroclor-1016 {5}	8.33	7.32	131.7E6	224.9E6	515.425	512.246
Sum Aroclor-1016			672.8E6	1477.0E6	2587.987	2541.561
Average Aroclor-1016					517.597	508.312
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.84	12.64	417.6E6	426.6E6	512.876	501.149
34) L8 Aroclor-1260 {2}	14.39	13.85	216.3E6	357.5E6	448.867	513.584
35) L8 Aroclor-1260 {3}	16.02	14.82	619.3E6	371.2E6	515.368	496.532
36) L8 Aroclor-1260 {4}	16.93	15.77	295.3E6	880.7E6	510.836	516.642
37) L8 Aroclor-1260 {5}	18.96	18.82	163.1E6	250.8E6	489.243	508.702
Sum Aroclor-1260			1711.7E6	2286.9E6	2477.189	2536.609
Average Aroclor-1260					495.438	507.322

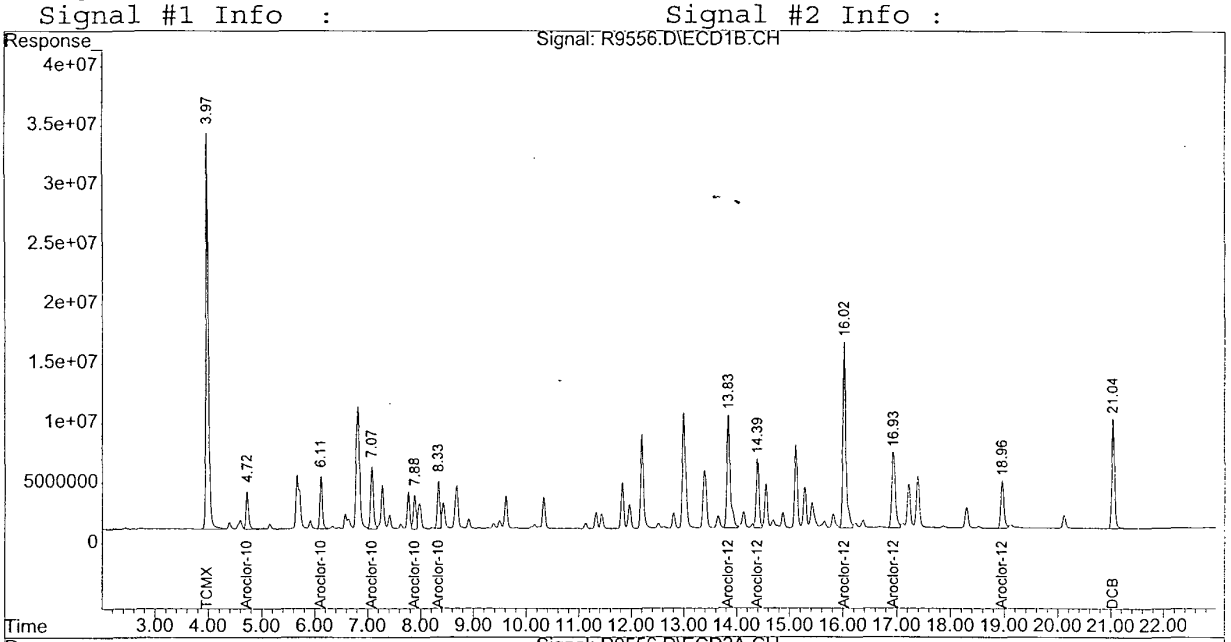
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

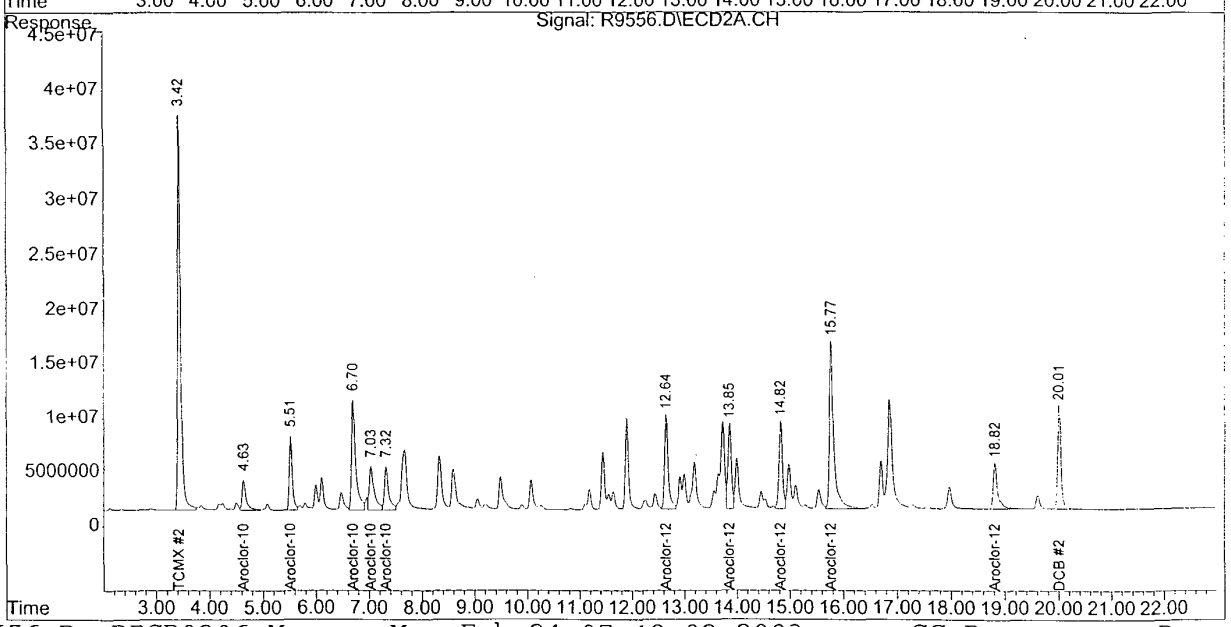
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9556.D\ECD1B.CH Vial: 17
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9556.D\ECD2A.CH
Acq On : 21 Feb 2003 16:08 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 7:29 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9561.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9561.D\ECD2A.CH
Acq On : 21 Feb 2003 18:20 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 21 18:44:24 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1068.2E6	1410.8E6	50.394	49.647
Spiked Amount 100.000 Range 75 - 125 Recovery =					50.39%#	49.65%#
2) S DCB	21.04	20.01	333.2E6	428.5E6	32.382	38.819
Spiked Amount 100.000 Recovery =					32.38%	38.82%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	107.7E6	150.8E6	528.069	537.298
4) L2 Aroclor-1016 {2}	6.11	5.51	145.0E6	276.1E6	523.909	500.557
5) L2 Aroclor-1016 {3}	7.07	6.70	192.5E6	561.9E6	515.570	489.149
6) L2 Aroclor-1016 {4}	7.88	7.03	99043050	268.3E6	517.219	511.231
7) L2 Aroclor-1016 {5}	8.33	7.32	132.3E6	225.4E6	517.927	513.248
Sum Aroclor-1016			676.6E6	1482.4E6	2602.694	2551.482
Average Aroclor-1016					520.539	510.296
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.84	12.64	418.1E6	428.6E6	513.451	503.424
34) L8 Aroclor-1260 {2}	14.39	13.85	213.2E6	359.8E6	442.426	516.916
35) L8 Aroclor-1260 {3}	16.02	14.82	620.1E6	372.9E6	516.031	498.778
36) L8 Aroclor-1260 {4}	16.93	15.77	295.8E6	882.9E6	511.542	517.905
37) L8 Aroclor-1260 {5}	18.96	18.82	164.6E6	254.2E6	493.714	515.580
Sum Aroclor-1260			1711.8E6	2298.3E6	2477.165	2552.603
Average Aroclor-1260					495.433	510.521

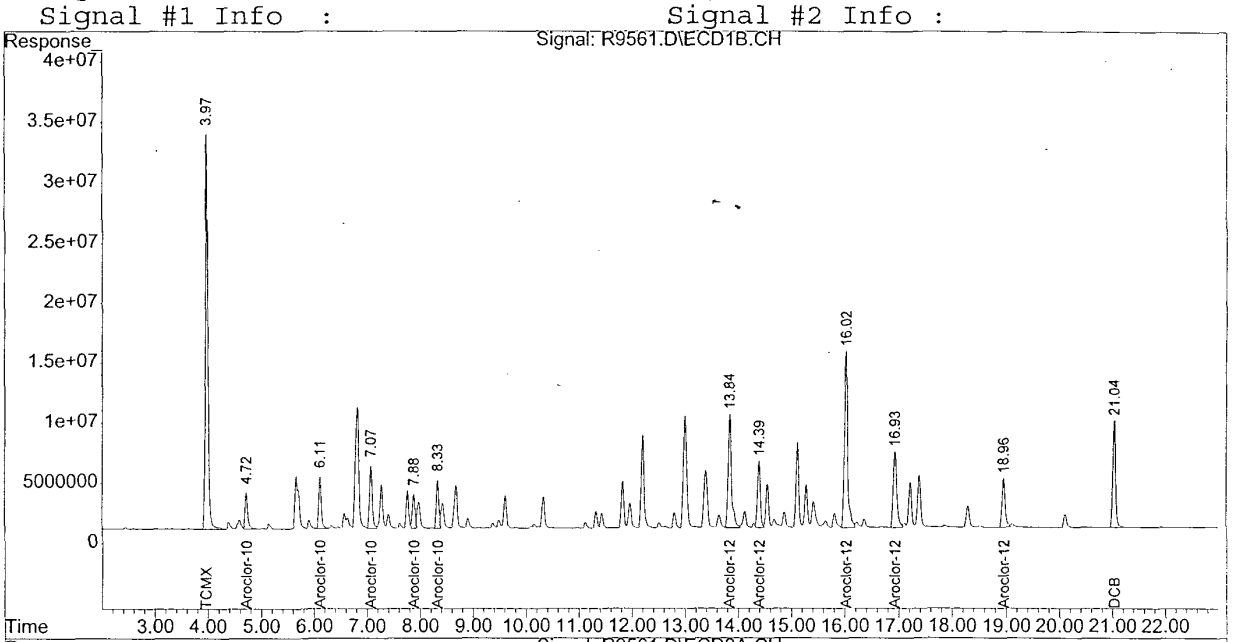
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

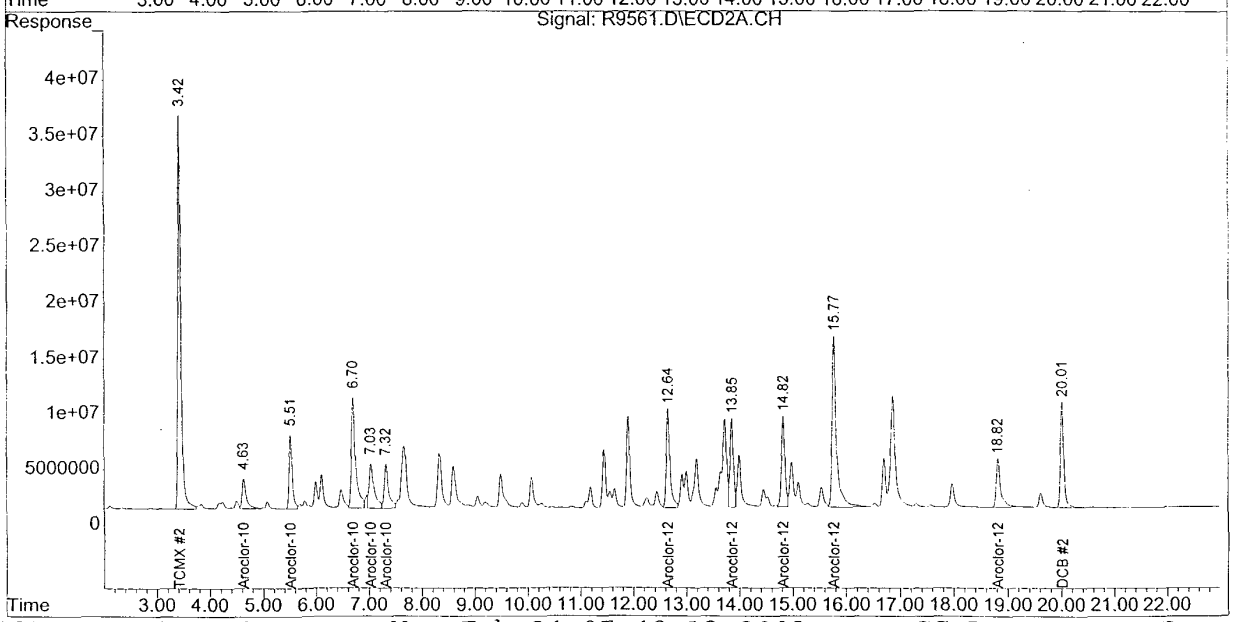
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-21-03\R9561.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-21-03\R9561.D\ECD2A.CH
Acq On : 21 Feb 2003 18:20 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 7:31 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0376

301634

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9567.D\ECD1B.CH Vial: 1
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9567.D\ECD2A.CH
Acq On : 24 Feb 2003 10:55 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 11:18:32 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.96	3.43	1084.1E6	1378.7E6	51.143	48.516
Spiked Amount 100.000 Range 75 - 125 Recovery =					51.14%#	48.52%#
2) S DCB	21.03	20.01	326.8E6	406.9E6	31.758	36.869
Spiked Amount 100.000 Recovery =					31.76%	36.87%
Target Compounds						
3) L2 Aroclor-1016	4.71	4.63	109.2E6	146.2E6	535.415	521.013
4) L2 Aroclor-1016 {2}	6.11	5.52	146.8E6	270.2E6	530.247	489.791
5) L2 Aroclor-1016 {3}	7.06	6.70	193.0E6	540.6E6	516.915	470.671
6) L2 Aroclor-1016 {4}	7.87	7.03	99575410	261.5E6	519.999	498.322
7) L2 Aroclor-1016 {5}	8.32	7.32	133.3E6	219.9E6	521.903	500.772
Sum Aroclor-1016			681.9E6	1438.4E6	2624.480	2480.568
Average Aroclor-1016					524.896	496.114
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.83	12.65	422.4E6	414.8E6	518.771	487.328
34) L8 Aroclor-1260 {2}	14.39	13.85	193.3E6	350.4E6	401.154	503.459 #
35) L8 Aroclor-1260 {3}	16.01	14.82	625.6E6	361.6E6	520.617	483.659
36) L8 Aroclor-1260 {4}	16.92	15.77	296.7E6	855.0E6	513.113	501.540
37) L8 Aroclor-1260 {5}	18.95	18.81	162.6E6	236.3E6	487.679	479.294
Sum Aroclor-1260			1700.6E6	2218.2E6	2441.334	2455.280
Average Aroclor-1260					488.267	491.056

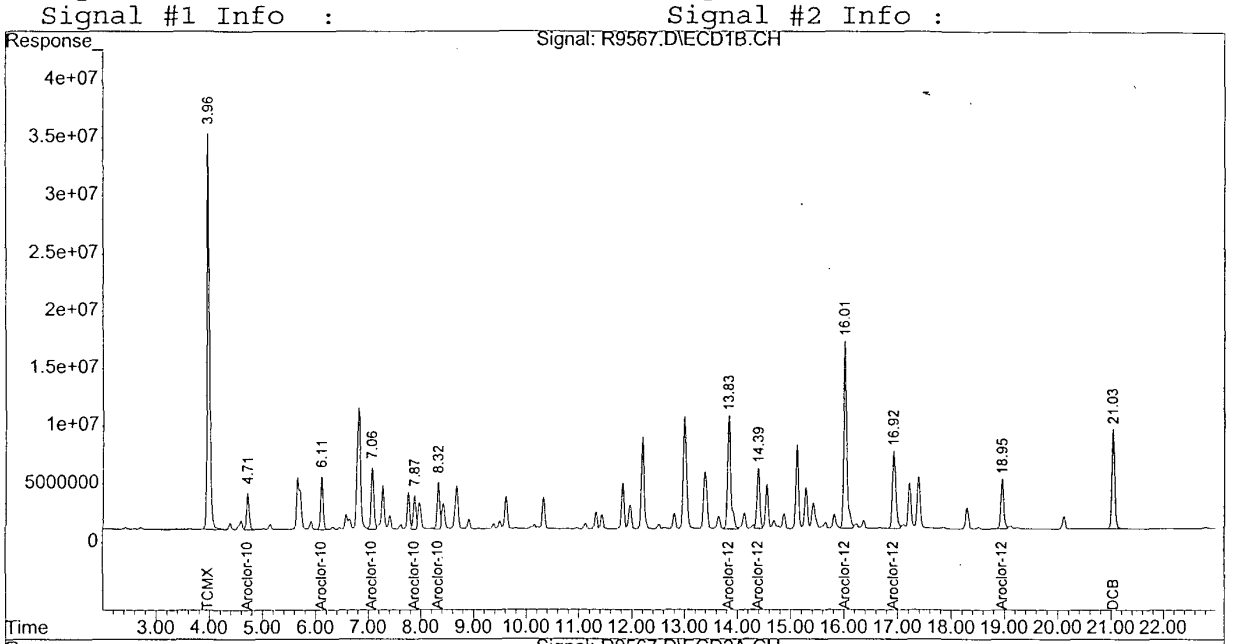
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

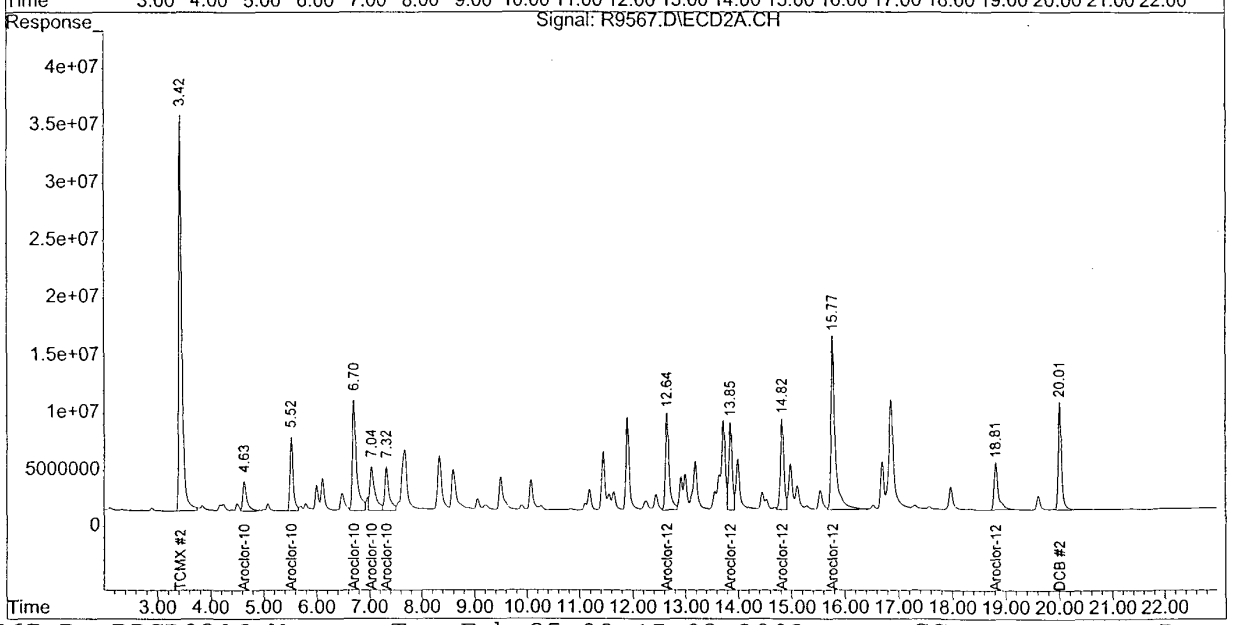
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9567.D\ECD1B.CH Vial: 1
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9567.D\ECD2A.CH
Acq On : 24 Feb 2003 10:55 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 11:19 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0378

301636

Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9589.D\ECD1B.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9589.D\ECD2A.CH
Acq On : 24 Feb 2003 20:32 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 24 20:55:39 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1067.7E6	1410.9E6	50.373	49.651
Spiked Amount 100.000 Range 75 - 125 Recovery =					50.37%#	49.65%#
2) S DCB	21.04	20.01	313.9E6	462.0E6	30.505	41.858 #
Spiked Amount 100.000 Recovery =					30.50%	41.86%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	107.1E6	147.0E6	524.939	523.780
4) L2 Aroclor-1016 {2}	6.12	5.51	146.2E6	277.9E6	528.245	503.705
5) L2 Aroclor-1016 {3}	7.07	6.70	194.8E6	595.3E6	521.604	518.253
6) L2 Aroclor-1016 {4}	7.88	7.03	99706074	302.4E6	520.681	576.113
7) L2 Aroclor-1016 {5}	8.33	7.32	132.4E6	230.1E6	518.391	524.083
Sum Aroclor-1016			680.2E6	1552.6E6	2613.860	2645.934
Average Aroclor-1016					522.772	529.187
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.84	12.64	407.9E6	427.6E6	500.989	502.282
34) L8 Aroclor-1260 {2}	14.39	13.85	227.4E6	334.9E6	471.821	481.104
35) L8 Aroclor-1260 {3}	16.02	14.82	588.1E6	362.6E6	489.406	484.971
36) L8 Aroclor-1260 {4}	16.93	15.77	281.0E6	824.3E6	485.996	483.513
37) L8 Aroclor-1260 {5}	18.96	18.82	156.6E6	231.6E6	469.618	469.730
Sum Aroclor-1260			1661.0E6	2180.9E6	2417.831	2421.601
Average Aroclor-1260					483.566	484.320

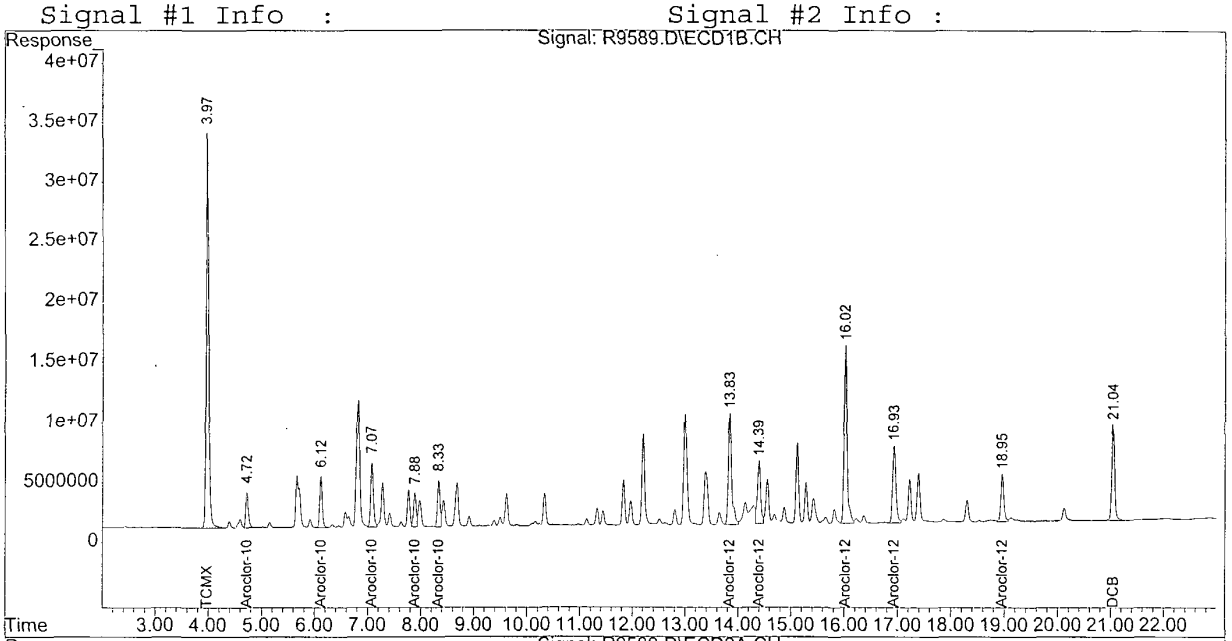
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

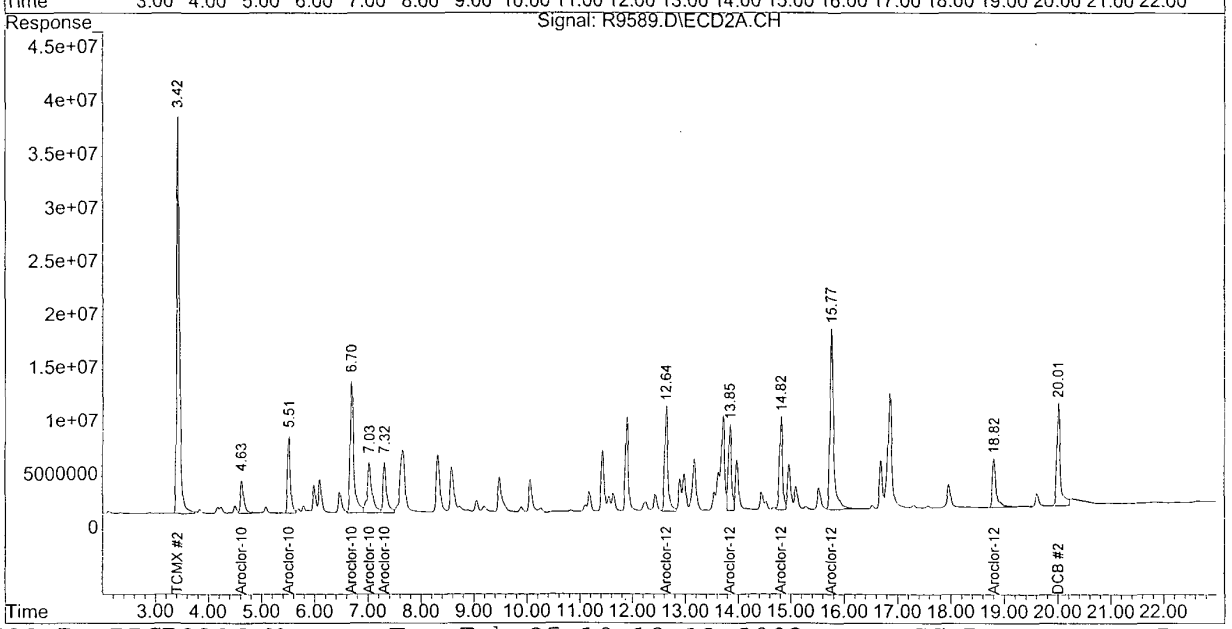
Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9589.D\ECD1B.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9589.D\ECD2A.CH
Acq On : 24 Feb 2003 20:32 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 9:07 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0380

301638

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: W6904.D

Instrument ID: GC-W

Date Extracted: 02/21/2003

Matrix: SOIL

Date Analyzed: 02/21/2003

Time Analyzed: 02:51

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-T12-0/0-	01235-001	02/21/2003	03:15
SB-T12-11/1	01235-002	02/21/2003	03:39
SB-T12-14/1	01235-003	02/21/2003	04:03
SB-W13-0/0-	01235-004	02/21/2003	04:27
SB-W13-12/1	01235-005	02/21/2003	04:52
SW13-19/19-	01235-006	02/21/2003	05:16
SB-W15-0/0-	01235-007	02/21/2003	05:40
SB-W15-11.5	01235-008	02/21/2003	06:04
SB-W15-16.5	01235-009	02/21/2003	06:29
PEST	01235-009MS1	02/21/2003	06:53
PEST	01235-009MSD1	02/21/2003	07:17
PEST	PBS0221-MS1	02/21/2003	07:41

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0221-BK1
Client ID: (01235)
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6904.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.0g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.004
beta-BHC	ND		0.004
gamma-BHC	ND		0.004
delta-BHC	ND		0.004
Heptachlor	ND		0.004
Aldrin	ND		0.004
Heptachlor epoxide	ND		0.004
Endosulfan I	ND		0.004
4,4'-DDE	ND		0.004
Dieldrin	ND		0.004
Endrin	ND		0.004
Endosulfan II	ND		0.004
4,4'-DDD	ND		0.004
Endrin aldehyde	ND		0.004
Endosulfan sulfate	ND		0.004
4,4'-DDT	ND		0.004
Endrin ketone	ND		0.004
Methoxychlor	ND		0.004
alpha-Chlordane	ND		0.004
gamma-Chlordane	ND		0.004
Toxaphene	ND		0.020

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: W6780.D

Instrument ID: GC-W

Date Extracted: 02/13/2003

Matrix: AQUEOUS

Date Analyzed: 02/13/2003

Time Analyzed: 05:34

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
S-1	01144-001	02/13/2003	05:59
FB-1	01144-002	02/13/2003	06:23
PEST	01144-002MS3	02/13/2003	06:48
PEST	01144-002MSD3	02/13/2003	07:12
PEST	PBA0213-MS3	02/13/2003	07:37

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0213-BK3
Client ID: (01144)
Date Received: NA
Date Extracted: 02/13/2003
Date Analyzed: 02/13/2003
Data file: W6780.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.002
beta-BHC	ND		0.002
gamma-BHC	ND		0.002
delta-BHC	ND		0.002
Heptachlor	ND		0.002
Aldrin	ND		0.002
Heptachlor epoxide	ND		0.002
Endosulfan I	ND		0.002
4,4'-DDE	ND		0.002
Dieldrin	ND		0.002
Endrin	ND		0.002
Endosulfan II	ND		0.002
4,4'-DDD	ND		0.002
Endrin aldehyde	ND		0.002
Endosulfan sulfate	ND		0.002
4,4'-DDT	ND		0.002
Chlordane	ND		0.015
Toxaphene	ND		0.015

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: W6900.D

Instrument ID: GC-W

Date Extracted: 02/21/2003

Matrix: AQUEOUS

Date Analyzed: 02/21/2003

Time Analyzed: 01:13

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLANK	01235-010	02/21/2003	01:38
FB021903	01283-011	02/21/2003	02:02
PEST	PBA0221-MS3	02/21/2003	02:26

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0221-BK3
Client ID: (01235.01283)
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6900.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.002
beta-BHC	ND		0.002
gamma-BHC	ND		0.002
delta-BHC	ND		0.002
Heptachlor	ND		0.002
Aldrin	ND		0.002
Heptachlor epoxide	ND		0.002
Endosulfan I	ND		0.002
4,4'-DDE	ND		0.002
Dieldrin	ND		0.002
Endrin	ND		0.002
Endosulfan II	ND		0.002
4,4'-DDD	ND		0.002
Endrin aldehyde	ND		0.002
Endosulfan sulfate	ND		0.002
4,4'-DDT	ND		0.002
Endrin ketone	ND		0.002
Methoxychlor	ND		0.002
alpha-Chlordane	ND		0.002
gamma-Chlordane	ND		0.002
Toxaphene	ND		0.015

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (1st): DB-5

Data File: W6643.D W6644.D W6640.D W6641.D W6642.D

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WI NDOW FROM	TO
alpha-BHC	4.70	4.69	4.70	4.69	4.70	4.70	4.63	4.77
beta-BHC	5.20	5.20	5.20	5.19	5.20	5.20	5.13	5.27
gamma-BHC	5.33	5.33	5.34	5.33	5.34	5.33	5.26	5.40
delta-BHC	5.81	5.81	5.81	5.81	5.81	5.81	5.74	5.88
Heptachlor	6.94	6.94	6.94	6.94	6.94	6.94	6.87	7.01
Aldrin	7.77	7.77	7.77	7.77	7.77	7.77	7.70	7.84
Heptachlor epoxide	8.79	8.79	8.79	8.78	8.79	8.79	8.72	8.86
Endosulfan I	9.71	9.71	9.71	9.71	9.71	9.71	9.64	9.78
4,4'-DDE	10.48	10.47	10.48	10.47	10.47	10.47	10.40	10.54
Dieldrin	10.41	10.41	10.41	10.41	10.41	10.41	10.34	10.48
Endrin	10.97	10.97	10.97	10.97	10.97	10.97	10.90	11.04
Endosulfan II	11.22	11.22	11.22	11.22	11.22	11.22	11.15	11.29
4,4'-DDD	11.60	11.60	11.60	11.60	11.60	11.60	11.53	11.67
Endrin aldehyde	11.75	11.75	11.75	11.75	11.74	11.75	11.68	11.82
Endosulfan sulfate	12.40	12.40	12.40	12.40	12.40	12.40	12.33	12.47
4,4'-DDT	12.63	12.63	12.63	12.62	12.62	12.62	12.55	12.69
Endrin ketone	13.62	13.62	13.62	13.62	13.62	13.62	13.55	13.69
Methoxychlor	14.31	14.30	14.30	14.30	14.30	14.30	14.23	14.37
alpha-Chlordane	9.81	9.81	9.82	9.81	9.82	9.81	9.74	9.88
gamma-Chlordane	9.40	9.40	9.40	9.40	9.40	9.40	9.33	9.47
Chlordane 500 ppb			8.57				8.50	8.64
Chlordane {2}			9.40				9.33	9.47
Chlordane {3}			9.60				9.53	9.67
Chlordane {4}			9.81				9.74	9.88
Chlordane {5}			9.96				9.89	10.03
Toxaphene 500 ppb			12.70				12.63	12.77
Toxaphene {2}			13.43				13.36	13.50
Toxaphene {3}			13.55				13.48	13.62
Toxaphene {4}			13.77				13.70	13.84
Toxaphene {5}			13.84				13.77	13.91

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (1st): DB-5

Data File: W6643.D W6644.D W6640.D W6641.D W6642.D

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	114898621	111859724	127483965	118391620	117709183	118068622	4.97
beta-BHC	45007146	40208468	45089716	41290972	40586645	42436589	5.69
gamma-BHC	106676296	101681918	115035429	106288612	104772065	106890864	4.64
delta-BHC	105296539	99978405	114180611	105922306	105536580	106182888	4.80
Heptachlor	90047088	84531055	96991426	87231381	84642970	88688784	5.82
Aldrin	102653109	95588975	106760164	96168908	92519646	98738160	5.88
Heptachlor epoxide	95357769	85581019	93556562	83262204	80136393	87578789	7.54
Endosulfan I	88889487	80027144	87763940	77583992	74239515	81700816	7.83
4,4'-DDE	88246801	84694679	97787811	88725539	84746335	88840233	6.02
Dieldrin	93656301	86410932	94537200	83910449	80486420	87800260	6.98
Endrin	80793117	75379589	85516140	77000846	73978508	78533640	5.94
Endosulfan II	84420047	76613497	83870055	75574819	72529803	78601644	6.72
4,4'-DDD	67133678	66352264	76362489	70057932	68213780	69624029	5.77
Endrin aldehyde	75681640	63981701	69711839	62425514	58618504	66083840	10.12
Endosulfan sulfate	80492614	71054852	77547477	70541449	67526439	73432566	7.32
4,4'-DDT	48680872	53086058	65902848	65325129	63160037	59230989	13.24
Endrin ketone	98249810	86393201	91187284	81728006	77609562	87033572	9.27
Methoxychlor	24751963	25490419	29416927	29358226	28396464	27482800	8.04
alpha-Chlordane	98628105	90737197	100788014	91620524	88943876	94143543	5.55
gamma-Chlordane	98368316	92169893	103085367	94067858	91501109	95838509	5.07
Chlordane 500 ppb			3272765				
Chlordane {2}			10697436				
Chlordane {3}			2443015				
Chlordane {4}			10548510				
Chlordane {5}			6407740				
Toxaphene 500 ppb			2750620				
Toxaphene {2}			2915284				
Toxaphene {3}			2194313				
Toxaphene {4}			1674653				
Toxaphene {5}			1717869				

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (2nd): DB-1701P

Data File: W6643.C W6644.C W6640.C W6641.C W6642.C

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WI NDOW FROM	TO
alpha-BHC	5.71	5.71	5.71	5.72	5.71	5.71	5.64	5.78
beta-BHC	8.81	8.81	8.81	8.81	8.81	8.81	8.74	8.88
gamma-BHC	6.68	6.68	6.68	6.68	6.68	6.68	6.61	6.75
delta-BHC	9.38	9.38	9.38	9.38	9.38	9.38	9.31	9.45
Heptachlor	7.14	7.14	7.14	7.14	7.14	7.14	7.07	7.21
Aldrin	7.81	7.81	7.81	7.82	7.81	7.81	7.74	7.88
Heptachlor epoxide	9.68	9.68	9.68	9.68	9.68	9.68	9.61	9.75
Endosulfan I	10.36	10.36	10.36	10.37	10.36	10.36	10.29	10.43
4,4'-DDE	11.13	11.13	11.13	11.13	11.13	11.13	11.06	11.20
Dieldrin	11.41	11.41	11.41	11.41	11.41	11.41	11.34	11.48
Endrin	11.93	11.93	11.93	11.94	11.93	11.93	11.86	12.00
Endosulfan II	13.39	13.39	13.39	13.39	13.39	13.39	13.32	13.46
4,4'-DDD	13.39	13.39	13.39	13.39	13.39	13.39	13.32	13.46
Endrin aldehyde	14.55	14.55	14.55	14.55	14.55	14.55	14.48	14.62
Endosulfan sulfate	15.46	15.46	15.45	15.46	15.46	15.46	15.39	15.53
4,4'-DDT	13.83	13.83	13.83	13.83	13.83	13.83	13.76	13.90
Endrin ketone	16.49	16.49	16.49	16.49	16.49	16.49	16.42	16.56
Methoxychlor	15.70	15.70	15.70	15.70	15.70	15.70	15.63	15.77
alpha-Chlordane	10.76	10.75	10.75	10.76	10.76	10.76	10.69	10.83
gamma-Chlordane	10.60	10.60	10.60	10.61	10.60	10.60	10.53	10.67
Chlordane 500 ppb			8.38				8.31	8.45
Chlordane {2}			8.52				8.45	8.59
Chlordane {3}			10.60				10.53	10.67
Chlordane {4}			10.76				10.69	10.83
Chlordane {5}			10.81				10.74	10.88
Toxaphene 500 ppb			14.17				14.10	14.24
Toxaphene {2}			14.89				14.82	14.96
Toxaphene {3}			15.36				15.29	15.43
Toxaphene {4}			15.98				15.91	16.05
Toxaphene {5}			16.19				16.12	16.26

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (2nd): DB-1701P

Data File: W6643.C W6644.C W6640.C W6641.C W6642.C

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	21199035	20455927	23905738	22277795	21980300	21963759	5.91
beta-BHC	10044155	8226650	9326338	8618628	8464224	8935999	8.31
gamma-BHC	19202371	18381677	21429865	19932479	19589017	19707082	5.70
delta-BHC	18815611	17819390	20925757	19529742	19303205	19278741	5.87
Heptachlor	14411162	13545437	16336322	15187015	14942411	14884470	6.90
Aldrin	19187711	17842822	20440421	18764319	18208976	18888850	5.34
Heptachlor epoxide	18167206	16455481	18584933	16872523	16286291	17273287	6.02
Endosulfan I	16994393	15390794	17478810	15859303	15298033	16204266	6.05
4,4'-DDE	15655212	14801182	17653775	16162701	15717827	15998140	6.55
Dieldrin	17266924	16247659	18870824	17117916	16689501	17238565	5.77
Endrin	14403017	13506227	16037545	14771362	14322379	14608106	6.32
Endosulfan II	29512604	27071266	30353219	27340889	26403940	28136384	6.05
4,4'-DDD	29512604	27071266	30353219	27340889	26403940	28136384	6.05
Endrin aldehyde	10547989	9997588	11790852	11030903	10631706	10799808	6.16
Endosulfan sulfate	13987187	12320524	13826100	12856013	12499945	13097954	5.84
4,4'-DDT	6296897	7202695	9160464	9204568	9333307	8239586	16.97
Endrin ketone	16569262	14932752	16262859	14881168	14331900	15395588	6.28
Methoxychlor	3011091	3821221	4690662	4696419	4544635	4152806	17.66
alpha-Chlordane	18031583	16419689	18749771	17138428	16637610	17395416	5.63
gamma-Chlordane	17850714	16582424	19044395	17497817	17003362	17595742	5.35
Chlordane 500 ppb			334450				
Chlordane {2}			331789				
Chlordane {3}			1979968				
Chlordane {4}			1736189				
Chlordane {5}			1148720				
Toxaphene 500 ppb			397034				
Toxaphene {2}			361753				
Toxaphene {3}			209082				
Toxaphene {4}			205896				
Toxaphene {5}			151631				

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W
GC Column (1st): DB-5

Data File: W6643.D W6644.D W6640.D W6641.D W6642.D

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WI NDOW FROM	TO
alpha-BHC	4.70	4.69	4.70	4.69	4.70	4.70	4.63	4.77
beta-BHC	5.20	5.20	5.20	5.19	5.20	5.20	5.13	5.27
gamma-BHC	5.33	5.33	5.34	5.33	5.34	5.33	5.26	5.40
delta-BHC	5.81	5.81	5.81	5.81	5.81	5.81	5.74	5.88
Heptachlor	6.94	6.94	6.94	6.94	6.94	6.94	6.87	7.01
Aldrin	7.77	7.77	7.77	7.77	7.77	7.77	7.70	7.84
Heptachlor epoxide	8.79	8.79	8.79	8.78	8.79	8.79	8.72	8.86
Endosulfan I	9.71	9.71	9.71	9.71	9.71	9.71	9.64	9.78
4,4'-DDE	10.48	10.47	10.48	10.47	10.47	10.47	10.40	10.54
Dieldrin	10.41	10.41	10.41	10.41	10.41	10.41	10.34	10.48
Endrin	10.97	10.97	10.97	10.97	10.97	10.97	10.90	11.04
Endosulfan II	11.22	11.22	11.22	11.22	11.22	11.22	11.15	11.29
4,4'-DDD	11.60	11.60	11.60	11.60	11.60	11.60	11.53	11.67
Endrin aldehyde	11.75	11.75	11.75	11.75	11.74	11.75	11.68	11.82
Endosulfan sulfate	12.40	12.40	12.40	12.40	12.40	12.40	12.33	12.47
4,4'-DDT	12.63	12.63	12.63	12.62	12.62	12.62	12.55	12.69
Endrin ketone	13.62	13.62	13.62	13.62	13.62	13.62	13.55	13.69
Methoxychlor	14.31	14.30	14.30	14.30	14.30	14.30	14.23	14.37
alpha-Chlordane	9.81	9.81	9.82	9.81	9.82	9.81	9.74	9.88
gamma-Chlordane	9.40	9.40	9.40	9.40	9.40	9.40	9.33	9.47
Chlordane 500 ppb			8.57				8.50	8.64
Chlordane {2}			9.40				9.33	9.47
Chlordane {3}			9.60				9.53	9.67
Chlordane {4}			9.81				9.74	9.88
Chlordane {5}			9.96				9.89	10.03
Toxaphene 500 ppb			12.70				12.63	12.77
Toxaphene {2}			13.43				13.36	13.50
Toxaphene {3}			13.55				13.48	13.62
Toxaphene {4}			13.77				13.70	13.84
Toxaphene {5}			13.84				13.77	13.91

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (1st): DB-5

Data File: W6643.D W6644.D W6640.D W6641.D W6642.D

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	114898621	111859724	127483965	118391620	117709183	118068622	4.97
beta-BHC	45007146	40208468	45089716	41290972	40586645	42436589	5.69
gamma-BHC	106676296	101681918	115035429	106288612	104772065	106890864	4.64
delta-BHC	105296539	99978405	114180611	105922306	105536580	106182888	4.80
Heptachlor	90047088	84531055	96991426	87231381	84642970	88688784	5.82
Aldrin	102653109	95588975	106760164	96168908	92519646	98738160	5.88
Heptachlor epoxide	95357769	85581019	93556562	83262204	80136393	87578789	7.54
Endosulfan I	88889487	80027144	87763940	77583992	74239515	81700816	7.83
4,4'-DDE	88246801	84694679	97787811	88725539	84746335	88840233	6.02
Dieldrin	93656301	86410932	94537200	83910449	80486420	87800260	6.98
Endrin	80793117	75379589	85516140	77000846	73978508	78533640	5.94
Endosulfan II	84420047	76613497	83870055	75574819	72529803	78601644	6.72
4,4'-DDD	67133678	66352264	76362489	70057932	68213780	69624029	5.77
Endrin aldehyde	75681640	63981701	69711839	62425514	58618504	66083840	10.12
Endosulfan sulfate	80492614	71054852	77547477	70541449	67526439	73432566	7.32
4,4'-DDT	48680872	53086058	65902848	65325129	63160037	59230989	13.24
Endrin ketone	98249810	86393201	91187284	81728006	77609562	87033572	9.27
Methoxychlor	24751963	25490419	29416927	29358226	28396464	27482800	8.04
alpha-Chlordane	98628105	90737197	100788014	91620524	88943876	94143543	5.55
gamma-Chlordane	98368316	92169893	103085367	94067858	91501109	95838509	5.07
Chlordane 500 ppb			3272765				
Chlordane {2}			10697436				
Chlordane {3}			2443015				
Chlordane {4}			10548510				
Chlordane {5}			6407740				
Toxaphene 500 ppb			2750620				
Toxaphene {2}			2915284				
Toxaphene {3}			2194313				
Toxaphene {4}			1674653				
Toxaphene {5}			1717869				

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (2nd): DB-1701P

Data File: W6643.C W6644.C W6640.C W6641.C W6642.C

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.71	5.71	5.71	5.72	5.71	5.71	5.64	5.78
beta-BHC	8.81	8.81	8.81	8.81	8.81	8.81	8.74	8.88
gamma-BHC	6.68	6.68	6.68	6.68	6.68	6.68	6.61	6.75
delta-BHC	9.38	9.38	9.38	9.38	9.38	9.38	9.31	9.45
Heptachlor	7.14	7.14	7.14	7.14	7.14	7.14	7.07	7.21
Aldrin	7.81	7.81	7.81	7.82	7.81	7.81	7.74	7.88
Heptachlor epoxide	9.68	9.68	9.68	9.68	9.68	9.68	9.61	9.75
Endosulfan I	10.36	10.36	10.36	10.37	10.36	10.36	10.29	10.43
4,4'-DDE	11.13	11.13	11.13	11.13	11.13	11.13	11.06	11.20
Dieldrin	11.41	11.41	11.41	11.41	11.41	11.41	11.34	11.48
Endrin	11.93	11.93	11.93	11.94	11.93	11.93	11.86	12.00
Endosulfan II	13.39	13.39	13.39	13.39	13.39	13.39	13.32	13.46
4,4'-DDD	13.39	13.39	13.39	13.39	13.39	13.39	13.32	13.46
Endrin aldehyde	14.55	14.55	14.55	14.55	14.55	14.55	14.48	14.62
Endosulfan sulfate	15.46	15.46	15.45	15.46	15.46	15.46	15.39	15.53
4,4'-DDT	13.83	13.83	13.83	13.83	13.83	13.83	13.76	13.90
Endrin ketone	16.49	16.49	16.49	16.49	16.49	16.49	16.42	16.56
Methoxychlor	15.70	15.70	15.70	15.70	15.70	15.70	15.63	15.77
alpha-Chlordane	10.76	10.75	10.75	10.76	10.76	10.76	10.69	10.83
gamma-Chlordane	10.60	10.60	10.60	10.61	10.60	10.60	10.53	10.67
Chlordane 500 ppb			8.38				8.31	8.45
Chlordane {2}			8.52				8.45	8.59
Chlordane {3}			10.60				10.53	10.67
Chlordane {4}			10.76				10.69	10.83
Chlordane {5}			10.81				10.74	10.88
Toxaphene 500 ppb			14.17				14.10	14.24
Toxaphene {2}			14.89				14.82	14.96
Toxaphene {3}			15.36				15.29	15.43
Toxaphene {4}			15.98				15.91	16.05
Toxaphene {5}			16.19				16.12	16.26

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (2nd): DB-1701P

Data File: W6643.C W6644.C W6640.C W6641.C W6642.C

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	21199035	20455927	23905738	22277795	21980300	21963759	5.91
beta-BHC	10044155	8226650	9326338	8618628	8464224	8935999	8.31
gamma-BHC	19202371	18381677	21429865	19932479	19589017	19707082	5.70
delta-BHC	18815611	17819390	20925757	19529742	19303205	19278741	5.87
Heptachlor	14411162	13545437	16336322	15187015	14942411	14884470	6.90
Aldrin	19187711	17842822	20440421	18764319	18208976	18888850	5.34
Heptachlor epoxide	18167206	16455481	18584933	16872523	16286291	17273287	6.02
Endosulfan I	16994393	15390794	17478810	15859303	15298033	16204266	6.05
4,4'-DDE	15655212	14801182	17653775	16162701	15717827	15998140	6.55
Dieldrin	17266924	16247659	18870824	17117916	16689501	17238565	5.77
Endrin	14403017	13506227	16037545	14771362	14322379	14608106	6.32
Endosulfan II	29512604	27071266	30353219	27340889	26403940	28136384	6.05
4,4'-DDD	29512604	27071266	30353219	27340889	26403940	28136384	6.05
Endrin aldehyde	10547989	9997588	11790852	11030903	10631706	10799808	6.16
Endosulfan sulfate	13987187	12320524	13826100	12856013	12499945	13097954	5.84
4,4'-DDT	6296897	7202695	9160464	9204568	9333307	8239586	16.97
Endrin ketone	16569262	14932752	16262859	14881168	14331900	15395588	6.28
Methoxychlor	3011091	3821221	4690662	4696419	4544635	4152806	17.66
alpha-Chlordane	18031583	16419689	18749771	17138428	16637610	17395416	5.63
gamma-Chlordane	17850714	16582424	19044395	17497817	17003362	17595742	5.35
Chlordane 500 ppb			334450				
Chlordane {2}			331789				
Chlordane {3}			1979968				
Chlordane {4}			1736189				
Chlordane {5}			1148720				
Toxaphene 500 ppb			397034				
Toxaphene {2}			361753				
Toxaphene {3}			209082				
Toxaphene {4}			205896				
Toxaphene {5}			151631				

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/21/2003 Instrument ID: GC-W

Data File: W6895.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.70	4.63	4.77	118068622	127662828	8.13
beta-BHC	5.21	5.14	5.28	42436589	41274089	2.74
gamma-BHC	5.35	5.28	5.42	106890864	116546620	9.03
delta-BHC	5.83	5.76	5.90	106182888	109791465	3.40
Heptachlor	6.95	6.88	7.02	88688784	94152000	6.16
Aldrin	7.78	7.71	7.85	98738160	107392916	8.77
Heptachlor epoxide	8.80	8.73	8.87	87578789	95106686	8.60
Endosulfan I	9.73	9.66	9.80	81700816	90079702	10.26
4,4'-DDE	10.49	10.42	10.56	88840233	98359591	10.72
Dieldrin	10.42	10.35	10.49	87800260	92293680	5.12
Endrin	10.98	10.91	11.05	78533640	77417163	1.42
Endosulfan II	11.24	11.17	11.31	78601644	87269959	11.03
4,4'-DDD	11.62	11.55	11.69	69624029	70476868	1.22
Endrin aldehyde	11.76	11.69	11.83	66083840	69779008	5.59
Endosulfan sulfate	12.42	12.35	12.49	73432566	77870291	6.04
4,4'-DDT	12.64	12.57	12.71	59230989	65000142	9.74
Endrin ketone	13.64	13.57	13.71	87033572	98571032	13.26
Methoxychlor	14.32	14.25	14.39	27482800	27689701	0.75
alpha-Chlordane	9.83	9.76	9.90	94143543	107764250	14.47
gamma-Chlordane	9.42	9.35	9.49	95838509	109079905	13.82
					Average %D	7.51
Chlordane 500 ppb	8.59	8.52	8.66	3272765	3102844	5.19
Chlordane {2}	9.42	9.35	9.49	10697436	9643633	9.85
Chlordane {3}	9.62	9.55	9.69	2443015	2223535	8.98
Chlordane {4}	9.83	9.76	9.90	10548510	9500808	9.93
Chlordane {5}	9.98	9.91	10.05	6407740	5782961	9.75
Toxaphene 500 ppb	12.71	12.64	12.78	2750620	3019555	9.78
Toxaphene {2}	13.44	13.37	13.51	2915284	3226844	10.69
Toxaphene {3}	13.56	13.49	13.63	2194313	2168305	1.19
Toxaphene {4}	13.78	13.71	13.85	1674653	1679597	0.30
Toxaphene {5}	13.85	13.78	13.92	1717869	1783680	3.83
					Average %D	6.95

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/21/2003 Instrument ID: GC-W

Data File: W6895.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	5.72	5.65	5.79	21963759	24053033	9.51
beta-BHC	8.82	8.75	8.89	8935999	8569938	4.10
gamma-BHC	6.69	6.62	6.76	19707082	21684025	10.03
delta-BHC	9.38	9.31	9.45	19278741	20319231	5.40
Heptachlor	7.15	7.08	7.22	14884470	16708109	12.25
Aldrin	7.82	7.75	7.89	18888850	21408303	13.34
Heptachlor epoxide	9.68	9.61	9.75	17273287	19602902	13.49
Endosulfan I	10.37	10.30	10.44	16204266	18524889	14.32
4,4'-DDE	11.14	11.07	11.21	15998140	17926003	12.05
Dieldrin	11.41	11.34	11.48	17238565	19388373	12.47
Endrin	11.94	11.87	12.01	14608106	15166407	3.82
Endosulfan II	13.39	13.32	13.46	28136384	32029542	13.84
4,4'-DDD	13.39	13.32	13.46	28136384	32029542	13.84
Endrin aldehyde	14.55	14.48	14.62	10799808	10263710	4.96
Endosulfan sulfate	15.45	15.38	15.52	13097954	14259170	8.87
4,4'-DDT	13.83	13.76	13.90	8239586	9178555	11.40
Endrin ketone	16.48	16.41	16.55	15395588	17683688	14.86
Methoxychlor	15.70	15.63	15.77	4152806	4396477	5.87
alpha-Chlordane	10.76	10.69	10.83	17395416	19784272	13.73
gamma-Chlordane	10.61	10.54	10.68	17595742	20114810	14.32
					Average %D	10.62
Chlordane 500 ppb	8.39	8.32	8.46	334450	299344	10.50
Chlordane {2}	8.52	8.45	8.59	331789	298173	10.13
Chlordane {3}	10.61	10.54	10.68	1979968	1736253	12.31
Chlordane {4}	10.76	10.69	10.83	1736189	1523804	12.23
Chlordane {5}	10.81	10.74	10.88	1148720	1033918	9.99
Toxaphene 500 ppb	14.17	14.10	14.24	397034	441577	11.22
Toxaphene {2}	14.89	14.82	14.96	361753	401369	10.95
Toxaphene {3}	15.37	15.30	15.44	209082	236853	13.28
Toxaphene {4}	15.98	15.91	16.05	205896	227611	10.55
Toxaphene {5}	16.19	16.12	16.26	151631	174001	14.75
					Average %D	11.59

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/21/2003 Instrument ID: GC-W

Data File: W6921.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.72	4.65	4.79	118068622	122747679	3.96
beta-BHC	5.22	5.15	5.29	42436589	40397588	4.80
gamma-BHC	5.36	5.29	5.43	106890864	111918165	4.70
delta-BHC	5.84	5.77	5.91	106182888	107808229	1.53
Heptachlor	6.96	6.89	7.03	88688784	94232356	6.25
Aldrin	7.79	7.72	7.86	98738160	104977102	6.32
Heptachlor epoxide	8.81	8.74	8.88	87578789	90911278	3.81
Endosulfan I	9.73	9.66	9.80	81700816	86350442	5.69
4,4'-DDE	10.49	10.42	10.56	88840233	97198545	9.41
Dieldrin	10.43	10.36	10.50	87800260	90437792	3.00
Endrin	10.99	10.92	11.06	78533640	79437432	1.15
Endosulfan II	11.24	11.17	11.31	78601644	84821545	7.91
4,4'-DDD	11.62	11.55	11.69	69624029	75068015	7.82
Endrin aldehyde	11.77	11.70	11.84	66083840	66418368	0.51
Endosulfan sulfate	12.42	12.35	12.49	73432566	77608509	5.69
4,4'-DDT	12.64	12.57	12.71	59230989	65237721	10.14
Endrin ketone	13.64	13.57	13.71	87033572	96024270	10.33
Methoxychlor	14.32	14.25	14.39	27482800	29192460	6.22
alpha-Chlordane	9.83	9.76	9.90	94143543	102930333	9.33
gamma-Chlordane	9.42	9.35	9.49	95838509	104594758	9.14
					Average %D	5.89

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/21/2003 Instrument ID: GC-W

Data File: W6921.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	5.72	5.65	5.79	21963759	22813501	3.87
beta-BHC	8.82	8.75	8.89	8935999	8209613	8.13
gamma-BHC	6.69	6.62	6.76	19707082	20614614	4.61
delta-BHC	9.39	9.32	9.46	19278741	19689972	2.13
Heptachlor	7.15	7.08	7.22	14884470	15870953	6.63
Aldrin	7.82	7.75	7.89	18888850	20399328	8.00
Heptachlor epoxide	9.68	9.61	9.75	17273287	18586602	7.60
Endosulfan I	10.37	10.30	10.44	16204266	17725181	9.39
4,4'-DDE	11.14	11.07	11.21	15998140	17501395	9.40
Dieldrin	11.41	11.34	11.48	17238565	18368317	6.55
Endrin	11.94	11.87	12.01	14608106	15020844	2.83
Endosulfan II	13.39	13.32	13.46	28136384	31127223	10.63
4,4'-DDD	13.39	13.32	13.46	28136384	31127223	10.63
Endrin aldehyde	14.55	14.48	14.62	10799808	10048721	6.95
Endosulfan sulfate	15.45	15.38	15.52	13097954	14101784	7.66
4,4'-DDT	13.83	13.76	13.90	8239586	8638350	4.84
Endrin ketone	16.48	16.41	16.55	15395588	17507558	13.72
Methoxychlor	15.70	15.63	15.77	4152806	4337144	4.44
alpha-Chlordane	10.76	10.69	10.83	17395416	19250879	10.67
gamma-Chlordane	10.61	10.54	10.68	17595742	19412606	10.33
					Average %D	7.45

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/21/2003 Instrument ID: GC-W

Data File: W6895.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.70	4.63	4.77	118068622	127662828	8.13
beta-BHC	5.21	5.14	5.28	42436589	41274089	2.74
gamma-BHC	5.35	5.28	5.42	106890864	116546620	9.03
delta-BHC	5.83	5.76	5.90	106182888	109791465	3.40
Heptachlor	6.95	6.88	7.02	88688784	94152000	6.16
Aldrin	7.78	7.71	7.85	98738160	107392916	8.77
Heptachlor epoxide	8.80	8.73	8.87	87578789	95106686	8.60
Endosulfan I	9.73	9.66	9.80	81700816	90079702	10.26
4,4'-DDE	10.49	10.42	10.56	88840233	98359591	10.72
Dieldrin	10.42	10.35	10.49	87800260	92293680	5.12
Endrin	10.98	10.91	11.05	78533640	77417163	1.42
Endosulfan II	11.24	11.17	11.31	78601644	87269959	11.03
4,4'-DDD	11.62	11.55	11.69	69624029	70476868	1.22
Endrin aldehyde	11.76	11.69	11.83	66083840	69779008	5.59
Endosulfan sulfate	12.42	12.35	12.49	73432566	77870291	6.04
4,4'-DDT	12.64	12.57	12.71	59230989	65000142	9.74
Endrin ketone	13.64	13.57	13.71	87033572	98571032	13.26
Methoxychlor	14.32	14.25	14.39	27482800	27689701	0.75
alpha-Chlordane	9.83	9.76	9.90	94143543	107764250	14.47
gamma-Chlordane	9.42	9.35	9.49	95838509	109079905	13.82
					Average %D	7.51
Chlordane 500 ppb	8.59	8.52	8.66	3272765	3102844	5.19
Chlordane {2}	9.42	9.35	9.49	10697436	9643633	9.85
Chlordane {3}	9.62	9.55	9.69	2443015	2223535	8.98
Chlordane {4}	9.83	9.76	9.90	10548510	9500808	9.93
Chlordane {5}	9.98	9.91	10.05	6407740	5782961	9.75
Toxaphene 500 ppb	12.71	12.64	12.78	2750620	3019555	9.78
Toxaphene {2}	13.44	13.37	13.51	2915284	3226844	10.69
Toxaphene {3}	13.56	13.49	13.63	2194313	2168305	1.19
Toxaphene {4}	13.78	13.71	13.85	1674653	1679597	0.30
Toxaphene {5}	13.85	13.78	13.92	1717869	1783680	3.83
					Average %D	6.95