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7 June 2007

Mr. Gary Miller
Task Order Monitor
U.S. Environmental Protection Agency (EPA)
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Subject: **Analytical Data Package/Electronic Data Deliverable**
Surface Soil Split Samples (9 – 10 April 2007)
Gulfco Marine Maintenance Site RI/FS Oversight
U.S. Environmental Protection Agency Region 6
Remedial Action Contract 2, Contract: EP-W-06-004
Task Order: 0006-RICO-06JZ

Dear Mr. Miller:

For the above-referenced Task Order, EA Engineering, Science, and Technology, Inc. (EA) is enclosing one original hard copy of the complete analytical data package associated with the following surface soil split samples obtained from 9 – 10 April 2007:

- BSS-8-EPA – Semivolatile organic compounds (SW-846 Method 8270C), pesticides (SW-846 Method 8081A), total metals (SW-846 Methods 6010B/7471A), and percent moisture.
- L19SS05-EPA – Total metals (SW-846 Methods 6010B/7471A) and percent moisture
- L19SS11-EPA – Total metals (SW-846 Methods 6010B/7471A) and percent moisture
- L20SS07-EPA – Total metals (SW-846 Methods 6010B/7471A) and percent moisture
- L20SS08-EPA – Total metals (SW-846 Methods 6010B/7471A) and percent moisture

Based on data validation performed by EA, as outlined in the EPA-approved work plan (dated 31 July 2006), all of the data is considered usable as qualified, with the following exceptions:

- For sample BSS-8-EPA, non-detect results for 4,4'-DDT and methoxychlor were qualified (UJ) due to elevated percent difference (%D) in continuing calibration calculations.
- For samples L19SS11-EPA, L19SS05-EPA, L20SS08-EPA, and BSS-8-EPA, silver results were qualified (UJ) due to contamination in initial calibration blank (ICB).
- For samples L20SS07-EPA and L20SS08-EPA, thallium results were qualified (UJ) due to contamination in ICB.

825771

- All mercury results were qualified (UJ) due to contamination in method blank.
- For samples L19SS11-EPA, L19SS05-EPA, L20SS07-EPA, and L20SS08-EPA, antimony data were qualified with potential low bias (J-) due to low matrix spike and matrix duplicate recoveries.
- For samples L19SS11-EPA, L19SS05-EPA, L20SS07-EPA, and L20SS08-EPA, nickel results were qualified (J) due to elevated %D in serial dilution calculations.

EA will also transmit the electronic version of the electronic data deliverable and associated analytical data package to EPA via e-mail.

EA will also transmit an electronic version of this submittal to EPA via e-mail.

If you have any questions regarding this submittal, please call me at (972) 459-5040.

Sincerely,

Luis Vega
Project Manager

Enclosure

cc: Cora Stanley, EPA Contracting Officer (letter only)
Rena McClurg, EPA Project Officer (letter only)
Fritz Meyer, EA Program Manager (letter only via e-mail)
Jeff Hills, EA Financial Manager (letter only via e-mail)
File

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ANALYTICAL REPORT

PROJECT NO. 1434206 EPA

Gulfco Marine EP-W-06-004

Lot #: I7D120264

Luis Vega

EA Engineering, Science and Te
405 South Highway 121
Building C
Suite 100
Lewisville, TX 75067

SEVERN TRENT LABORATORIES, INC.

Neal Salcher

Neal J. Salcher
Project Manager

April 30, 2007

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I7D120264**

This report contains the analytical results for the five samples received under chain of custody by Severn Trent Laboratories (STL) on April 12, 2007. These samples are associated with your Gulfco Marine EP-W-06-004 project.

All samples were received in good condition and within temperature requirements.

All applicable quality control procedures met method-specified acceptance criteria except where noted in the case narrative or flagged on the result pages.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 512-310-5215.

Method 8081 for Chlorinated Pesticides was performed by STL Denver, 4955 Yarrow Street, Arvada, CO 80002, 303-421-6611.

LOT NUMBER I7D120264

Nonconformance 09-0021532

Affected Samples:
I7D120264 (1):

Affected Methods:
6020

Case Narrative:
The serial dilution by ICPMS exceeded the tolerance limits for lead (Pb). Nickel

Corrective Action:
The post digestion spike recovery was acceptable. Data flagged and NCM written.

Nonconformance 09-0021533

Affected Samples:
I7D120264 (1):

Affected Methods:
6020

Case Narrative:
The analyte [nickel] is present at a reportable level in the associated method blank but the concentration in the samples is greater than 10 times the method blank contamination.

Corrective Action:
Data flagged and NCM written.

Nonconformance 04-0110248

Affected Samples:
I7D120264 (5): BSS-8-EPA

Affected Methods:
8081A

Case Narrative:
The overall mean %D is within control limits. Therefore, the CCV is in control. Method 8000B requires notification of individual compounds exceeding %D limits, and they include:

1st CCV: all okay

2nd CCV: all okay

3rd CCV: (front) all okay
(rear) 4,4'-DDT - 24%; Methoxychlor -25%

4th CCV: (front) Methoxychlor -19%
(rear) 4,4'-DDT -27%; Methoxychlor -30%

Sequence: 1st CCV, LCS, 2nd CCV, 3rd CCV, 264-5, 264-5MS, 264-5MSD, Blank, 4th CCV.

Associated sample was ND.

Corrective Action:
NA

NOMENCLATURE

LIMS

Five (5) characters with an alpha suffix.

_____B	Method Blank
_____C	Laboratory Control Sample
_____L	Laboratory Control Sample Duplicate (optional)
_____S	Matrix Spike
_____D	Matrix Spike Duplicate
_____X	Sample Duplicate (as requested)

ICP/MS(6020) INSTRUMENT

QC Std #1	ICV (Initial Calibration Verification)
QC Std #2	ICB (initial Calibration Blank)
QC Std #3	LLCk Std (Low-level Check Standard for TRRP only)
QC Std #4	ICSA (Interference Check Standard – Interfering Elements)
QC Std #5	ICSAB (Interference Check Standard – Analytes and Interferants)
QC Std #6	CCV (Continuing Calibration Verification)
QC Std #7	CCB (Continuing Calibration Blank)
SD5X	Serial Dilution
AS1.04X	Analytical Spike

EXECUTIVE SUMMARY - Detection Highlights

I7D120264

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L19SS11-EPA 04/10/07 10:06 001				
Silver	0.073 B,J	1.3	mg/kg	SW846 6020
Aluminum	17400	128	mg/kg	SW846 6020
Arsenic	2.8	1.3	mg/kg	SW846 6020
Barium	102 J	1.3	mg/kg	SW846 6020
Beryllium	0.75 B	1.3	mg/kg	SW846 6020
Cadmium	0.19 B	1.3	mg/kg	SW846 6020
Cobalt	6.2	1.3	mg/kg	SW846 6020
Copper	13.0	1.3	mg/kg	SW846 6020
Iron	15900 J	64.0	mg/kg	SW846 6020
Lithium	16.3	10.2	mg/kg	SW846 6020
Manganese	200	1.3	mg/kg	SW846 6020
Nickel	15.4 J,L	1.3	mg/kg	SW846 6020
Lead	15.6	1.3	mg/kg	SW846 6020
Antimony	0.15 B,J	1.3	mg/kg	SW846 6020
Titanium	120 J	12.8	mg/kg	SW846 6020
Thallium	0.30 B	1.3	mg/kg	SW846 6020
Zinc	78.9	12.8	mg/kg	SW846 6020
Mercury	0.015 B,J	0.14	mg/kg	SW846 7471A
Boron	32.1	25.5	mg/kg	SW846 6010B
Percent Moisture	38.0	0.50	%	ASTM D 2216-90
L19SS05-EPA 04/10/07 10:15 002				
Silver	0.054 B,J	1.2	mg/kg	SW846 6020
Aluminum	23700	117	mg/kg	SW846 6020
Arsenic	3.2	1.2	mg/kg	SW846 6020
Barium	123 J	1.2	mg/kg	SW846 6020
Beryllium	0.93 B	1.2	mg/kg	SW846 6020
Cadmium	0.14 B	1.2	mg/kg	SW846 6020
Cobalt	7.6	1.2	mg/kg	SW846 6020
Copper	15.2	1.2	mg/kg	SW846 6020
Iron	20500 J	58.6	mg/kg	SW846 6020
Lithium	20.6	9.4	mg/kg	SW846 6020
Manganese	188	1.2	mg/kg	SW846 6020
Nickel	19.1 J	1.2	mg/kg	SW846 6020
Lead	16.8	1.2	mg/kg	SW846 6020
Antimony	0.11 B,J	1.2	mg/kg	SW846 6020
Selenium	0.40 B	1.2	mg/kg	SW846 6020
Titanium	122 J	11.7	mg/kg	SW846 6020
Thallium	0.26 B	1.2	mg/kg	SW846 6020
Zinc	82.2	11.7	mg/kg	SW846 6020
Mercury	0.021 B,J	0.16	mg/kg	SW846 7471A
Boron	38.9	23.5	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7D120264

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L19SS05-EPA 04/10/07 10:15 002				
Percent Moisture	36.9	0.50	%	ASTM D 2216-90
L20SS07-EPA 04/10/07 08:08 003				
Aluminum	4090	83.5	mg/kg	SW846 6020
Arsenic	1.5	0.84	mg/kg	SW846 6020
Barium	139 J	0.84	mg/kg	SW846 6020
Beryllium	0.17 B	0.84	mg/kg	SW846 6020
Cadmium	0.15 B	0.84	mg/kg	SW846 6020
Cobalt	1.9	0.84	mg/kg	SW846 6020
Copper	19.3	0.84	mg/kg	SW846 6020
Iron	8220 J	41.8	mg/kg	SW846 6020
Lithium	4.6 B	6.7	mg/kg	SW846 6020
Manganese	149	0.84	mg/kg	SW846 6020
Nickel	7.9 J	0.84	mg/kg	SW846 6020
Lead	19.5	0.84	mg/kg	SW846 6020
Antimony	0.12 B,J	0.84	mg/kg	SW846 6020
Selenium	0.14 B	0.84	mg/kg	SW846 6020
Titanium	448 J	8.4	mg/kg	SW846 6020
Thallium	0.042 B	0.84	mg/kg	SW846 6020
Zinc	169	8.4	mg/kg	SW846 6020
Mercury	0.0055	0.099	mg/kg	SW846 7471A
	Qualifiers: B,J			
Boron	13.3 B	16.5	mg/kg	SW846 6010B
Percent Moisture	15.1	0.50	%	ASTM D 2216-90
L20SS08-EPA 04/10/07 08:18 004				
Silver	0.039 B,J	0.95	mg/kg	SW846 6020
Aluminum	10600	95.0	mg/kg	SW846 6020
Arsenic	11.7	0.95	mg/kg	SW846 6020
Barium	110 J	0.95	mg/kg	SW846 6020
Beryllium	0.40 B	0.95	mg/kg	SW846 6020
Cadmium	0.41 B	0.95	mg/kg	SW846 6020
Cobalt	5.3	0.95	mg/kg	SW846 6020
Copper	111	0.95	mg/kg	SW846 6020
Iron	41500 J	47.5	mg/kg	SW846 6020
Lithium	9.4	7.6	mg/kg	SW846 6020
Manganese	478	0.95	mg/kg	SW846 6020
Nickel	19.2 J	0.95	mg/kg	SW846 6020
Lead	70.7	0.95	mg/kg	SW846 6020
Antimony	0.18 B,J	0.95	mg/kg	SW846 6020
Titanium	445 J	9.5	mg/kg	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7D120264

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L20SS08-EPA 04/10/07 08:18 004				
Thallium	0.10 B	0.95	mg/kg	SW846 6020
Zinc	180	9.5	mg/kg	SW846 6020
Mercury	0.084 B,J	0.12	mg/kg	SW846 7471A
Boron	18.5 B	18.9	mg/kg	SW846 6010B
Percent Moisture	15.2	0.50	%	ASTM D 2216-90
BSS-8-EPA 04/09/07 14:55 005				
Silver	0.066 B,J	1.5	mg/kg	SW846 6020
Aluminum	36600	151	mg/kg	SW846 6020
Arsenic	6.1	1.5	mg/kg	SW846 6020
Barium	274 J	1.5	mg/kg	SW846 6020
Beryllium	1.4 B	1.5	mg/kg	SW846 6020
Cadmium	0.17 B	1.5	mg/kg	SW846 6020
Cobalt	12.0	1.5	mg/kg	SW846 6020
Copper	18.9	1.5	mg/kg	SW846 6020
Iron	32600 J	75.3	mg/kg	SW846 6020
Lithium	33.3	12.0	mg/kg	SW846 6020
Manganese	672	1.5	mg/kg	SW846 6020
Nickel	28.3 J	1.5	mg/kg	SW846 6020
Lead	18.4	1.5	mg/kg	SW846 6020
Antimony	0.14 B,J	1.5	mg/kg	SW846 6020
Selenium	0.24 B	1.5	mg/kg	SW846 6020
Titanium	281 J	15.1	mg/kg	SW846 6020
Thallium	0.36 B	1.5	mg/kg	SW846 6020
Zinc	89.9	15.1	mg/kg	SW846 6020
Mercury	0.018 B,J	0.14	mg/kg	SW846 7471A
Boron	59.3	30.1	mg/kg	SW846 6010B
Benzoic acid	440 J	2600	ug/kg	SW846 8270C
Percent Moisture	35.6	0.50	%	ASTM D 2216-90

PREPARATION METHODS SUMMARY

I7D120264

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion of Sediments, Sludges, Soils	SW846 3050B	SW846 6010B
Acid Digestion of Sediments, Sludges, Soils	SW846 3050B	SW846 6020
Low Concentration Ultrasonic Extraction	SW846 3550B	SW846 8081A
Low Concentration Ultrasonic Extraction	SW846 3550B	SW846 8270C
Mercury sample preparation	SW846 7471A	SW846 7471A
Moisture, Percent-No Sample Preparation	ASTM D2216-90	ASTM D 2216-90

References:

ASTM Annual Book Of ASTM Standards.

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

ANALYTICAL METHODS SUMMARY

I7D120264

PARAMETER	ANALYTICAL METHOD
ICP-MS (6020)	SW846 6020
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Method for Determination of Water Content of Soil	ASTM D 2216-90
Organochlorine Pesticides	SW846 8081A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B

References:

ASTM Annual Book Of ASTM Standards.

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

METHOD / ANALYST SUMMARY

I7D120264

ANALYTICAL METHOD	ANALYST	ANALYST ID
ASTM D 2216-90	William Jenkins	000069
SW846 6010B	Hamid Davoudi	038010
SW846 6020	Xavier B. Escobar	038011
SW846 7471A	Sydney F. Powers	402637
SW846 8081A	Carrie Lahr	008835
SW846 8270C	Mark Malloy	001515

References:

ASTM Annual Book Of ASTM Standards.

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

SAMPLE SUMMARY

I7D120264

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JTR30	001	L19SS11-EPA	04/10/07	10:06
JTR39	002	L19SS05-EPA	04/10/07	10:15
JTR4C	003	L20SS07-EPA	04/10/07	08:08
JTR4F	004	L20SS08-EPA	04/10/07	08:18
JTR4J	005	BSS-8-EPA	04/09/07	14:55

NOTE(S):

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

QC DATA ASSOCIATION SUMMARY

I7D120264

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 6020		7109235	7109174
	SOLID	ASTM D 2216-90		7102440	7102246
	SOLID	SW846 7471A		7114205	7114141
	SOLID	SW846 6010B		7109239	7109177
002	SOLID	SW846 6020		7109235	7109174
	SOLID	ASTM D 2216-90		7102440	7102246
	SOLID	SW846 7471A		7114205	7114141
	SOLID	SW846 6010B		7109239	7109177
003	SOLID	SW846 6020		7109235	7109174
	SOLID	ASTM D 2216-90		7102446	7102247
	SOLID	SW846 7471A		7114205	7114141
	SOLID	SW846 6010B		7109239	7109177
004	SOLID	SW846 6020		7109235	7109174
	SOLID	ASTM D 2216-90		7102446	7102247
	SOLID	SW846 7471A		7114205	7114141
	SOLID	SW846 6010B		7109239	7109177
005	SOLID	SW846 6020		7109235	7109174
	SOLID	ASTM D 2216-90		7102446	7102247
	SOLID	SW846 7471A		7114205	7114141
	SOLID	SW846 8081A		7107012	7107003
	SOLID	SW846 8270C		7111144	7111091
	SOLID	SW846 6010B		7109239	7109177

EA Engineering, Science and Technology

Client Sample ID: L19SS11-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-001 Matrix.....: SOLID
Date Sampled...: 04/10/07 10:06 Date Received..: 04/12/07
% Moisture.....: 38

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109235						
Silver	0.073 B,J	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AD
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.026	
Aluminum	17400	128	mg/kg	SW846 6020	04/19-04/23/07	JTR301AE
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 10.3	
Arsenic	2.8	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AF
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.075	
Barium	102 J	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AG
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.090	
Beryllium	0.75 B	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AH
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.064	
Cadmium	0.19 B	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AJ
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.054	
Cobalt	6.2	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AK
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.041	
Copper	13.0	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AL
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.35	
Iron	15900 J	64.0	mg/kg	SW846 6020	04/19-04/23/07	JTR301AM
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 38.2	
Lithium	16.3	10.2	mg/kg	SW846 6020	04/19-04/23/07	JTR301AN
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.35	
Manganese	200	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AP
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.33	
Nickel	15.4 J,L	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AQ
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.14	
Lead	15.6	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AR
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.051	

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: L19SS11-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.15 B,J	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AT
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.049	
Selenium	ND	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AU
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.16	
Titanium	120 J	12.8	mg/kg	SW846 6020	04/19-04/23/07	JTR301AV
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.28	
Thallium	0.30 B	1.3	mg/kg	SW846 6020	04/19-04/23/07	JTR301AW
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 0.018	
Zinc	78.9	12.8	mg/kg	SW846 6020	04/19-04/23/07	JTR301AX
		Dilution Factor: 7.93		Analysis Time..: 18:11	MDL.....: 3.5	
Prep Batch #...: 7109239						
Boron	32.1	25.5	mg/kg	SW846 6010B	04/19-04/20/07	JTR301A0
		Dilution Factor: 0.79		Analysis Time..: 12:56	MDL.....: 0.39	
Prep Batch #...: 7114205						
Mercury	0.015 B,J	0.14	mg/kg	SW846 7471A	04/24/07	JTR301AC
		Dilution Factor: 0.89		Analysis Time..: 17:32	MDL.....: 0.0027	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

EA Engineering, Science and Technology

Client Sample ID: L19SS11-EPA

General Chemistry

Lot-Sample #...: I7D120264-001 Work Order #...: JTR30 Matrix.....: SOLID
Date Sampled...: 04/10/07 10:06 Date Received..: 04/12/07
% Moisture.....: 38

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	38.0	0.50	%	ASTM D 2216-90	04/12/07	7102440

Dilution Factor: 1 Analysis Time..: 17:08 MDL.....: 0.0

EA Engineering, Science and Technology

Client Sample ID: L19SS05-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-002 Matrix.....: SOLID
Date Sampled...: 04/10/07 10:15 Date Received..: 04/12/07
% Moisture.....: 37

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109235						
Silver	0.054 B,J	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AD
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.023	
Aluminum	23700	117	mg/kg	SW846 6020	04/19-04/23/07	JTR391AE
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 9.5	
Arsenic	3.2	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AF
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.069	
Barium	123 J	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AG
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.082	
Beryllium	0.93 B	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AH
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.059	
Cadmium	0.14 B	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AJ
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.049	
Cobalt	7.6	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AK
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.038	
Copper	15.2	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AL
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.32	
Iron	20500 J	58.6	mg/kg	SW846 6020	04/19-04/23/07	JTR391AM
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 35.0	
Lithium	20.6	9.4	mg/kg	SW846 6020	04/19-04/23/07	JTR391AN
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.32	
Manganese	188	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AP
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.30	
Nickel	19.1 J	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AQ
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.13	
Lead	16.8	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AR
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.047	

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EA Engineering, Science and Technology

Client Sample ID: L19SS05-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.11 B,J	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AT
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.045	
Selenium	0.40 B	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AU
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.15	
Titanium	122 J	11.7	mg/kg	SW846 6020	04/19-04/23/07	JTR391AV
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.26	
Thallium	0.26 B	1.2	mg/kg	SW846 6020	04/19-04/23/07	JTR391AW
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 0.016	
Zinc	82.2	11.7	mg/kg	SW846 6020	04/19-04/23/07	JTR391AX
		Dilution Factor: 7.4		Analysis Time..: 18:36	MDL.....: 3.3	
Prep Batch #...: 7109239						
Boron	38.9	23.5	mg/kg	SW846 6010B	04/19-04/20/07	JTR391A0
		Dilution Factor: 0.74		Analysis Time..: 13:20	MDL.....: 0.36	
Prep Batch #...: 7114205						
Mercury	0.021 B,J	0.16	mg/kg	SW846 7471A	04/24/07	JTR391AC
		Dilution Factor: 0.98		Analysis Time..: 17:36	MDL.....: 0.0030	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

EA Engineering, Science and Technology

Client Sample ID: L19SS05-EPA

General Chemistry

Lot-Sample #...: I7D120264-002 Work Order #...: JTR39 Matrix.....: SOLID
Date Sampled...: 04/10/07 10:15 Date Received..: 04/12/07
% Moisture.....: 37

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	36.9	0.50	%	ASTM D 2216-90	04/12/07	7102440

Dilution Factor: 1 Analysis Time..: 17:10 MDL.....: 0.0

EA Engineering, Science and Technology

Client Sample ID: L20SS07-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-003 Matrix.....: SOLID
Date Sampled...: 04/10/07 08:08 Date Received..: 04/12/07
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109235						
Silver	ND	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AD
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.017	
Aluminum	4090	83.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AE
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 6.7	
Arsenic	1.5	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AF
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.049	
Barium	139 J	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AG
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.058	
Beryllium	0.17 B	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AH
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.042	
Cadmium	0.15 B	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AJ
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.035	
Cobalt	1.9	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AK
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.027	
Copper	19.3	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AL
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.23	
Iron	8220 J	41.8	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AM
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 24.9	
Lithium	4.6 B	6.7	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AN
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.23	
Manganese	149	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AP
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.21	
Nickel	7.9 J	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AQ
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.090	
Lead	19.5	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AR
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.033	

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EA Engineering, Science and Technology

Client Sample ID: L20SS07-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.12 B,J	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AT
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.032	
Selenium	0.14 B	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AU
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.11	
Titanium	448 J	8.4	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AV
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.18	
Thallium	0.042 B	0.84	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AW
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 0.012	
Zinc	169	8.4	mg/kg	SW846 6020	04/19-04/23/07	JTR4C1AX
		Dilution Factor: 7.09		Analysis Time..: 18:41	MDL.....: 2.3	
Prep Batch #...: 7109239						
Boron	13.3 B	16.5	mg/kg	SW846 6010B	04/19-04/20/07	JTR4C1A0
		Dilution Factor: 0.7		Analysis Time..: 13:24	MDL.....: 0.25	
Prep Batch #...: 7114205						
Mercury	0.0055 B,J	0.099	mg/kg	SW846 7471A	04/24/07	JTR4C1AC
		Dilution Factor: 0.84		Analysis Time..: 17:37	MDL.....: 0.0019	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

B Estimated result. Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: L20SS07-EPA

General Chemistry

Lot-Sample #...: I7D120264-003 Work Order #...: JTR4C Matrix.....: SOLID
Date Sampled...: 04/10/07 08:08 Date Received..: 04/12/07
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	15.1	0.50	%	ASTM D 2216-90	04/12/07	7102446
		Dilution Factor: 1		Analysis Time..: 17:30	MDL.....: 0.0	

EA Engineering, Science and Technology

Client Sample ID: L20SS08-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-004 Matrix.....: SOLID
Date Sampled...: 04/10/07 08:18 Date Received..: 04/12/07
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109235						
Silver	0.039 B,J	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AD
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.019	
Aluminum	10600	95.0	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AE
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 7.7	
Arsenic	11.7	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AF
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.056	
Barium	110 J	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AG
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.067	
Beryllium	0.40 B	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AH
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.048	
Cadmium	0.41 B	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AJ
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.040	
Cobalt	5.3	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AK
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.030	
Copper	111	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AL
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.26	
Iron	41500 J	47.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AM
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 28.4	
Lithium	9.4	7.6	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AN
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.26	
Manganese	478	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AP
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.24	
Nickel	19.2 J	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AQ
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.10	
Lead	70.7	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AR
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.038	

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EA Engineering, Science and Technology

Client Sample ID: L20SS08-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.18 B,J	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AT
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.036	
Selenium	ND	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AU
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.12	
Titanium	445 J	9.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AV
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.21	
Thallium	0.10 B	0.95	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AW
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 0.013	
Zinc	180	9.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4F1AX
		Dilution Factor: 8.06		Analysis Time..: 18:46	MDL.....: 2.6	
Prep Batch #...: 7109239						
Boron	18.5 B	18.9	mg/kg	SW846 6010B	04/19-04/20/07	JTR4F1A0
		Dilution Factor: 0.8		Analysis Time..: 13:38	MDL.....: 0.29	
Prep Batch #...: 7114205						
Mercury	0.084 B,J	0.12	mg/kg	SW846 7471A	04/24/07	JTR4F1AC
		Dilution Factor: 0.98		Analysis Time..: 17:39	MDL.....: 0.0022	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

EA Engineering, Science and Technology

Client Sample ID: L20SS08-EPA

General Chemistry

Lot-Sample #...: I7D120264-004 Work Order #...: JTR4F Matrix.....: SOLID
Date Sampled...: 04/10/07 08:18 Date Received..: 04/12/07
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	15.2	0.50	%	ASTM D 2216-90	04/12/07	7102446

Dilution Factor: 1 Analysis Time..: 17:32 MDL.....: 0.0

EA Engineering, Science and Technology

Client Sample ID: BSS-8-EPA

GC/MS Semivolatiles

Lot-Sample #...: I7D120264-005 Work Order #...: JTR4J1A1 Matrix.....: SOLID
Date Sampled...: 04/09/07 14:55 Date Received..: 04/12/07
Prep Date.....: 04/21/07 Analysis Date..: 04/26/07
Prep Batch #...: 7111144 Analysis Time..: 17:05
Dilution Factor: 1
% Moisture.....: 36 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	510	ug/kg	15
Acenaphthylene	ND	510	ug/kg	10
Acetophenone	ND	510	ug/kg	22
Aniline	ND	510	ug/kg	33
Anthracene	ND	510	ug/kg	9.9
Atrazine	ND	510	ug/kg	0.0
Benzaldehyde	ND	510	ug/kg	0.0
Benzidine	ND	2600	ug/kg	130
Benzo(a)anthracene	ND	510	ug/kg	14
Benzo(b)fluoranthene	ND	510	ug/kg	19
Benzo(k)fluoranthene	ND	510	ug/kg	17
Benzoic acid	**440 J**	**2600**	**ug/kg**	**170**
Benzo(ghi)perylene	ND	510	ug/kg	21
Benzo(a)pyrene	ND	510	ug/kg	9.8
Benzyl alcohol	ND	510	ug/kg	37
Biphenyl	ND	510	ug/kg	34
bis(2-Chloroethoxy) methane	ND	510	ug/kg	18
bis(2-Chloroethyl)-ether	ND	510	ug/kg	22
bis(2-Chloroisopropyl) ether	ND	510	ug/kg	25
bis(2-Ethylhexyl) phthalate	ND	510	ug/kg	43
4-Bromophenyl phenyl ether	ND	510	ug/kg	17
Butyl benzyl phthalate	ND	510	ug/kg	40
Caprolactam	ND	510	ug/kg	0.0
Carbazole	ND	510	ug/kg	18
4-Chloroaniline	ND	510	ug/kg	16
4-Chloro-3-methylphenol	ND	510	ug/kg	23
2-Chloronaphthalene	ND	510	ug/kg	17
2-Chlorophenol	ND	510	ug/kg	17
4-Chlorophenyl phenyl ether	ND	510	ug/kg	19
Chrysene	ND	510	ug/kg	17
Dibenz(a,h)anthracene	ND	510	ug/kg	20
Dibenzofuran	ND	510	ug/kg	17

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EA Engineering, Science and Technology

Client Sample ID: BSS-8-EPA

GC/MS Semivolatiles

Lot-Sample #...: I7D120264-005 Work Order #...: JTR4J1A1 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	510	ug/kg	13
3,3'-Dichlorobenzidine	ND	2600	ug/kg	49
2,4-Dichlorophenol	ND	510	ug/kg	22
Diethyl phthalate	ND	510	ug/kg	12
2,4-Dimethylphenol	ND	510	ug/kg	18
Dimethyl phthalate	ND	510	ug/kg	35
4,6-Dinitro-2-methylphenol	ND	2600	ug/kg	410
2,4-Dinitrophenol	ND	2600	ug/kg	340
2,4-Dinitrotoluene	ND	510	ug/kg	48
2,6-Dinitrotoluene	ND	510	ug/kg	80
Di-n-octyl phthalate	ND	510	ug/kg	25
1,2-Diphenylhydrazine (as Azobenzene)	ND	510	ug/kg	9.8
Fluoranthene	ND	510	ug/kg	14
Fluorene	ND	510	ug/kg	18
Hexachlorobenzene	ND	510	ug/kg	15
Hexachlorocyclopentadiene	ND	2600	ug/kg	420
Hexachloroethane	ND	510	ug/kg	21
Indeno(1,2,3-cd)pyrene	ND	510	ug/kg	19
Isophorone	ND	510	ug/kg	21
2-Methylnaphthalene	ND	510	ug/kg	19
2-Methylphenol	ND	510	ug/kg	19
2-Nitroaniline	ND	510	ug/kg	20
3-Nitroaniline	ND	510	ug/kg	51
4-Nitroaniline	ND	510	ug/kg	59
Nitrobenzene	ND	510	ug/kg	26
2-Nitrophenol	ND	510	ug/kg	78
4-Nitrophenol	ND	2600	ug/kg	410
N-Nitrosodimethylamine	ND	510	ug/kg	15
N-Nitrosodiphenylamine	ND	510	ug/kg	56
N-Nitrosodi-n-propylamine	ND	510	ug/kg	18
Phenanthrene	ND	510	ug/kg	18
Phenol	ND	510	ug/kg	19
Pyrene	ND	510	ug/kg	18
Pyridine	ND	510	ug/kg	60
2,4,5-Trichlorophenol	ND	510	ug/kg	43
2,4,6-Trichlorophenol	ND	510	ug/kg	56

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EA Engineering, Science and Technology

Client Sample ID: BSS-8-EPA

GC/MS Semivolatiles

Lot-Sample #...: I7D120264-005 Work Order #...: JTR4J1A1 Matrix.....: SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(40 - 122)
2-Fluorobiphenyl	76	(42 - 129)
Terphenyl-d14	82	(44 - 127)
2-Fluorophenol	67	(36 - 114)
Phenol-d5	69	(38 - 125)
2,4,6-Tribromophenol	83	(42 - 136)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: BSS-8-EPA

GC Semivolatiles

Lot-Sample #...: I7D120264-005 Work Order #...: JTR4J1A2 Matrix.....: SOLID
Date Sampled...: 04/09/07 14:55 Date Received..: 04/12/07
Prep Date.....: 04/17/07 Analysis Date..: 04/21/07
Prep Batch #...: 7107012 Analysis Time..: 07:04
Dilution Factor: 1
% Moisture.....: 36 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.6	ug/kg	0.33
beta-BHC	ND	2.6	ug/kg	0.44
delta-BHC	ND	2.6	ug/kg	0.26
gamma-BHC (Lindane)	ND	2.6	ug/kg	0.22
alpha-Chlordane	ND	2.6	ug/kg	0.50
gamma-Chlordane	ND	2.6	ug/kg	0.41
4,4'-DDD	ND	2.6	ug/kg	0.85
4,4'-DDE	ND	2.6	ug/kg	0.37
4,4'-DDT	ND-UJ	2.6	ug/kg	0.92
Dieldrin	ND	2.6	ug/kg	0.33
Endosulfan I	ND	2.6	ug/kg	0.27
Endosulfan II	ND	2.6	ug/kg	0.45
Endosulfan sulfate	ND	2.6	ug/kg	0.43
Endrin	ND	2.6	ug/kg	0.48
Endrin aldehyde	ND	2.6	ug/kg	0.33
Endrin ketone	ND	2.6	ug/kg	0.33
Heptachlor	ND	2.6	ug/kg	0.33
Heptachlor epoxide	ND	2.6	ug/kg	0.66
Methoxychlor	ND-UJ	5.1	ug/kg	0.70
Toxaphene	ND	260	ug/kg	25
Aldrin	ND	2.6	ug/kg	0.39

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	88	(49 - 130)
Tetrachloro-m-xylene	91	(46 - 127)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

EA Engineering, Science and Technology

Client Sample ID: BSS-8-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-005 Matrix.....: SOLID
Date Sampled...: 04/09/07 14:55 Date Received..: 04/12/07
% Moisture.....: 36

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109235						
Silver	0.066 B,J	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AE
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.030	
Aluminum	36600	151	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AF
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 12.1	
Arsenic	6.1	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AG
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.089	
Barium	274 J	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AH
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.11	
Beryllium	1.4 B	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AJ
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.075	
Cadmium	0.17 B	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AK
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.063	
Cobalt	12.0	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AL
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.048	
Copper	18.9	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AM
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.41	
Iron	32600 J	75.3	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AN
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 44.9	
Lithium	33.3	12.0	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AP
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.41	
Manganese	672	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AQ
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.39	
Nickel	28.3 J	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AR
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.16	
Lead	18.4	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AT
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.060	

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EA Engineering, Science and Technology

Client Sample ID: BSS-8-EPA

TOTAL Metals

Lot-Sample #...: I7D120264-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.14 B,J	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AU
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.057	
Selenium	0.24 B	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AV
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.19	
Titanium	281 J	15.1	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AW
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.33	
Thallium	0.36 B	1.5	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1AX
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 0.021	
Zinc	89.9	15.1	mg/kg	SW846 6020	04/19-04/23/07	JTR4J1A0
		Dilution Factor: 9.7		Analysis Time..: 19:01	MDL.....: 4.2	
Prep Batch #...: 7109239						
Boron	59.3	30.1	mg/kg	SW846 6010B	04/19-04/20/07	JTR4J1AC
		Dilution Factor: 0.97		Analysis Time..: 13:43	MDL.....: 0.46	
Prep Batch #...: 7114205						
Mercury	0.018 B,J	0.14	mg/kg	SW846 7471A	04/24/07	JTR4J1AD
		Dilution Factor: 0.92		Analysis Time..: 17:40	MDL.....: 0.0027	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

EA Engineering, Science and Technology

Client Sample ID: BSS-8-EPA

General Chemistry

Lot-Sample #...: I7D120264-005 Work Order #...: JTR4J Matrix.....: SOLID
Date Sampled...: 04/09/07 14:55 Date Received..: 04/12/07
% Moisture.....: 36

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	35.6	0.50	%	ASTM D 2216-90	04/12/07	7102446

Dilution Factor: 1 Analysis Time..: 17:34 MDL.....: 0.0

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264
MB Lot-Sample #: I7D210000-144
Analysis Date..: 04/26/07
Dilution Factor: 1

Work Order #...: JVFLD1AA
Prep Date.....: 04/21/07
Prep Batch #...: 7111144

Matrix.....: SOLID
Analysis Time..: 13:48

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Acetophenone	ND	330	ug/kg	SW846 8270C
Aniline	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Atrazine	ND	330	ug/kg	SW846 8270C
Benzidine	ND	1700	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzoic acid	ND	1700	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
Benzyl alcohol	ND	330	ug/kg	SW846 8270C
Biphenyl	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	330	ug/kg	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
4-Chloroaniline	ND	330	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270C
2-Chlorophenol	ND	330	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Dibenzofuran	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	1700	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	330	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264 **Work Order #...:** JVFLD1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	1700	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Hexachlorocyclopentadiene	ND	1700	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Isophorone	ND	330	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270C
2-Methylphenol	ND	330	ug/kg	SW846 8270C
2-Nitroaniline	ND	330	ug/kg	SW846 8270C
3-Nitroaniline	ND	330	ug/kg	SW846 8270C
4-Nitroaniline	ND	330	ug/kg	SW846 8270C
Nitrobenzene	ND	330	ug/kg	SW846 8270C
2-Nitrophenol	ND	330	ug/kg	SW846 8270C
4-Nitrophenol	ND	1700	ug/kg	SW846 8270C
N-Nitrosodimethylamine	ND	330	ug/kg	SW846 8270C
N-Nitrosodi-n-propylamine	ND	330	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Phenol	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
Pyridine	ND	330	ug/kg	SW846 8270C
2,4,5-Trichlorophenol	ND	330	ug/kg	SW846 8270C
2,4,6-Trichlorophenol	ND	330	ug/kg	SW846 8270C
Carbazole	ND	330	ug/kg	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	ND	330	ug/kg	SW846 8270C
Benzaldehyde	ND	330	ug/kg	SW846 8270C
Caprolactam	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(40 - 122)
2-Fluorobiphenyl	80	(42 - 129)
Terphenyl-d14	83	(44 - 127)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264 **Work Order #...:** JVFLD1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Fluorophenol	71	(36 - 114)		
Phenol-d5	72	(38 - 125)		
2,4,6-Tribromophenol	81	(42 - 136)		

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I7D120264 Work Order #...: JT1XD1AA Matrix.....: SOLID
MB Lot-Sample #: D7D170000-012

Prep Date.....: 04/17/07 Analysis Time..: 07:53
Analysis Date..: 04/21/07 Prep Batch #...: 7107012
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	1.7	ug/kg	SW846 8081A
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDD	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	1.7	ug/kg	SW846 8081A
4,4'-DDT	ND	1.7	ug/kg	SW846 8081A
Dieldrin	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
Endosulfan II	ND	1.7	ug/kg	SW846 8081A
Endosulfan sulfate	ND	1.7	ug/kg	SW846 8081A
Endrin	ND	1.7	ug/kg	SW846 8081A
Endrin aldehyde	ND	1.7	ug/kg	SW846 8081A
Endrin ketone	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Methoxychlor	ND	3.3	ug/kg	SW846 8081A
Toxaphene	ND	170	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	96	(49 - 130)
Tetrachloro-m-xylene	99	(46 - 127)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I7D120264 **Matrix.....:** SOLID

MB Lot-Sample #: I7D190000-235 **Prep Batch #...:** 7109235

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	ND	10.0	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AC
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Antimony	**0.0042 B**	**0.10**	**mg/kg**	**SW846 6020**	**04/19-04/23/07**	**JT8C01AQ**
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Arsenic	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AD
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Barium	**0.016 B**	**0.10**	**mg/kg**	**SW846 6020**	**04/19-04/23/07**	**JT8C01AE**
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Beryllium	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AF
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Cadmium	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AG
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Cobalt	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AH
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Copper	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AJ
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Iron	**4.6 B**	**5.0**	**mg/kg**	**SW846 6020**	**04/19-04/23/07**	**JT8C01AK**
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Lead	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AP
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Lithium	ND	0.80	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AL
		Dilution Factor: 1				
		Analysis Time..: 18:01				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I7D120264 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AM
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Nickel	**0.25**	**0.10**	**mg/kg**	**SW846 6020**	**04/19-04/23/07**	**JT8C01AN**
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Selenium	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AR
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Silver	**0.014 B**	**0.10**	**mg/kg**	**SW846 6020**	**04/19-04/23/07**	**JT8C01AA**
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Thallium	ND	0.10	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AU
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Titanium	**0.022 B**	**1.0**	**mg/kg**	**SW846 6020**	**04/19-04/23/07**	**JT8C01AT**
		Dilution Factor: 1				
		Analysis Time..: 18:01				
Zinc	ND	1.0	mg/kg	SW846 6020	04/19-04/23/07	JT8C01AV
		Dilution Factor: 1				
		Analysis Time..: 18:01				

MB Lot-Sample #: I7D190000-239 **Prep Batch #...:** 7109239

Boron	ND	20.0	mg/kg	SW846 6010B	04/19-04/20/07	JT8D21AA
		Dilution Factor: 1				
		Analysis Time..: 12:42				

MB Lot-Sample #: I7D240000-205 **Prep Batch #...:** 7114205

Mercury	**0.0024 B**	**0.10**	**mg/kg**	**SW846 7471A**	**04/24/07**	**JVH6G1AA**
		Dilution Factor: 1				
		Analysis Time..: 17:30				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264 Work Order #...: JVFLD1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: I7D210000-144 JVFLD1AD-LCSD
Prep Date.....: 04/21/07 Analysis Date..: 04/26/07
Prep Batch #...: 7111144 Analysis Time..: 14:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	75	(58 - 104)			SW846 8270C
	80	(58 - 104)	6.1	(0-30)	SW846 8270C
Acenaphthylene	73	(59 - 104)			SW846 8270C
	77	(59 - 104)	5.3	(0-30)	SW846 8270C
Aniline	47	(25 - 98)			SW846 8270C
	52	(25 - 98)	9.6	(0-30)	SW846 8270C
Anthracene	76	(62 - 109)			SW846 8270C
	80	(62 - 109)	5.6	(0-30)	SW846 8270C
Benzo(a)anthracene	78	(59 - 109)			SW846 8270C
	80	(59 - 109)	3.0	(0-30)	SW846 8270C
Benzo(b)fluoranthene	77	(54 - 106)			SW846 8270C
	79	(54 - 106)	3.7	(0-30)	SW846 8270C
Benzo(k)fluoranthene	77	(56 - 124)			SW846 8270C
	83	(56 - 124)	8.5	(0-30)	SW846 8270C
Benzoic acid	56	(8.0- 111)			SW846 8270C
	58	(8.0- 111)	4.1	(0-30)	SW846 8270C
Benzo(ghi)perylene	75	(56 - 128)			SW846 8270C
	78	(56 - 128)	4.8	(0-30)	SW846 8270C
Benzo(a)pyrene	78	(60 - 109)			SW846 8270C
	83	(60 - 109)	6.6	(0-30)	SW846 8270C
Benzyl alcohol	76	(42 - 122)			SW846 8270C
	79	(42 - 122)	3.9	(0-30)	SW846 8270C
2-Chlorophenol	68	(43 - 107)			SW846 8270C
	71	(43 - 107)	4.4	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	74	(56 - 112)			SW846 8270C
	78	(56 - 112)	5.7	(0-30)	SW846 8270C
bis(2-Chloroethoxy) methane	74	(48 - 106)			SW846 8270C
	76	(48 - 106)	3.5	(0-30)	SW846 8270C
bis(2-Chloroethyl)-ether	70	(39 - 105)			SW846 8270C
	74	(39 - 105)	6.4	(0-30)	SW846 8270C
bis(2-Chloroisopropyl) ether	66	(43 - 103)			SW846 8270C
	69	(43 - 103)	5.1	(0-30)	SW846 8270C
bis(2-Ethylhexyl) phthalate	72	(60 - 106)			SW846 8270C
	75	(60 - 106)	4.3	(0-30)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264 **Work Order #...:** JVFLD1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: I7D210000-144 JVFLD1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Bromophenyl phenyl ether	83	(59 - 115)			SW846 8270C
	89	(59 - 115)	6.5	(0-30)	SW846 8270C
Butyl benzyl phthalate	85	(59 - 105)			SW846 8270C
	90	(59 - 105)	6.5	(0-30)	SW846 8270C
Carbazole	76	(60 - 112)			SW846 8270C
	80	(60 - 112)	5.0	(0-30)	SW846 8270C
4-Chloroaniline	48	(22 - 110)			SW846 8270C
	57	(22 - 110)	17	(0-30)	SW846 8270C
2-Chloronaphthalene	74	(50 - 112)			SW846 8270C
	78	(50 - 112)	5.2	(0-30)	SW846 8270C
4-Chlorophenyl phenyl ether	82	(59 - 104)			SW846 8270C
	88	(59 - 104)	6.9	(0-30)	SW846 8270C
Chrysene	83	(61 - 110)			SW846 8270C
	88	(61 - 110)	5.3	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	69	(62 - 119)			SW846 8270C
	73	(62 - 119)	5.5	(0-30)	SW846 8270C
Dibenzofuran	79	(58 - 103)			SW846 8270C
	84	(58 - 103)	6.8	(0-30)	SW846 8270C
Di-n-butyl phthalate	74	(60 - 110)			SW846 8270C
	79	(60 - 110)	5.3	(0-30)	SW846 8270C
3,3'-Dichlorobenzidine	65	(41 - 105)			SW846 8270C
	71	(41 - 105)	9.3	(0-30)	SW846 8270C
2,4-Dichlorophenol	80	(50 - 107)			SW846 8270C
	86	(50 - 107)	6.3	(0-30)	SW846 8270C
Diethyl phthalate	79	(59 - 107)			SW846 8270C
	86	(59 - 107)	8.4	(0-30)	SW846 8270C
2,4-Dimethylphenol	69	(43 - 102)			SW846 8270C
	73	(43 - 102)	6.1	(0-30)	SW846 8270C
Dimethyl phthalate	82	(58 - 106)			SW846 8270C
	88	(58 - 106)	8.1	(0-30)	SW846 8270C
4,6-Dinitro-2-methylphenol	84	(42 - 121)			SW846 8270C
	88	(42 - 121)	4.8	(0-30)	SW846 8270C
2,4-Dinitrophenol	65	(7.0- 113)			SW846 8270C
	65	(7.0- 113)	0.11	(0-30)	SW846 8270C
2,4-Dinitrotoluene	88	(55 - 110)			SW846 8270C
	97	(55 - 110)	10	(0-30)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264 **Work Order #...:** JVFLD1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: I7D210000-144 JVFLD1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,6-Dinitrotoluene	81	(58 - 104)			SW846 8270C
	88	(58 - 104)	8.2	(0-30)	SW846 8270C
Di-n-octyl phthalate	82	(58 - 109)			SW846 8270C
	86	(58 - 109)	5.2	(0-30)	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	70	(53 - 128)			SW846 8270C
	74	(53 - 128)	5.3	(0-30)	SW846 8270C
Fluoranthene	78	(62 - 113)			SW846 8270C
	82	(62 - 113)	5.5	(0-30)	SW846 8270C
Fluorene	78	(60 - 107)			SW846 8270C
	83	(60 - 107)	6.6	(0-30)	SW846 8270C
Hexachlorobenzene	82	(62 - 107)			SW846 8270C
	87	(62 - 107)	5.6	(0-30)	SW846 8270C
Hexachlorocyclopentadiene	55	(2.0- 111)			SW846 8270C
	57	(2.0- 111)	4.4	(0-30)	SW846 8270C
Hexachloroethane	66	(41 - 100)			SW846 8270C
	69	(41 - 100)	4.7	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	71	(60 - 121)			SW846 8270C
	76	(60 - 121)	5.7	(0-30)	SW846 8270C
Isophorone	73	(49 - 110)			SW846 8270C
	76	(49 - 110)	3.9	(0-30)	SW846 8270C
2-Methylnaphthalene	75	(52 - 102)			SW846 8270C
	78	(52 - 102)	3.9	(0-30)	SW846 8270C
2-Methylphenol	69	(46 - 109)			SW846 8270C
	73	(46 - 109)	6.0	(0-30)	SW846 8270C
2-Nitroaniline	74	(52 - 117)			SW846 8270C
	81	(52 - 117)	8.8	(0-30)	SW846 8270C
3-Nitroaniline	62	(35 - 119)			SW846 8270C
	73	(35 - 119)	17	(0-30)	SW846 8270C
4-Nitroaniline	75	(50 - 135)			SW846 8270C
	84	(50 - 135)	11	(0-30)	SW846 8270C
Nitrobenzene	69	(46 - 106)			SW846 8270C
	72	(46 - 106)	4.5	(0-30)	SW846 8270C
2-Nitrophenol	86	(47 - 106)			SW846 8270C
	91	(47 - 106)	5.4	(0-30)	SW846 8270C
4-Nitrophenol	74	(41 - 125)			SW846 8270C
	81	(41 - 125)	10	(0-30)	SW846 8270C
N-Nitrosodi-n-propylamine	64	(46 - 110)			SW846 8270C
	66	(46 - 110)	3.2	(0-30)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264 **Work Order #...:** JVFLD1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: I7D210000-144 JVFLD1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
N-Nitrosodimethylamine	65	(32 - 98)			SW846 8270C
	68	(32 - 98)	4.5	(0-30)	SW846 8270C
N-Nitrosodiphenylamine	69	(46 - 97)			SW846 8270C
	74	(46 - 97)	8.1	(0-30)	SW846 8270C
Phenanthrene	78	(61 - 111)			SW846 8270C
	83	(61 - 111)	6.1	(0-30)	SW846 8270C
Phenol	68	(46 - 117)			SW846 8270C
	72	(46 - 117)	4.5	(0-30)	SW846 8270C
Pyrene	83	(61 - 106)			SW846 8270C
	88	(61 - 106)	5.4	(0-30)	SW846 8270C
Pyridine	53	(25 - 86)			SW846 8270C
	52	(25 - 86)	3.3	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	78	(54 - 104)			SW846 8270C
	84	(54 - 104)	8.2	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	79	(53 - 103)			SW846 8270C
	85	(53 - 103)	7.4	(0-30)	SW846 8270C
Benzidine	17	(10 - 102)			SW846 8270C
	18	(10 - 102)	8.3	(0-30)	SW846 8270C
Acetophenone	66	(47 - 108)			SW846 8270C
	69	(47 - 108)	4.6	(0-30)	SW846 8270C
Biphenyl	79	(64 - 125)			SW846 8270C
	83	(64 - 125)	4.7	(0-30)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(62 - 108)
	74	(62 - 108)
2-Fluorobiphenyl	78	(59 - 116)
	80	(59 - 116)
Terphenyl-d14	89	(60 - 113)
	92	(60 - 113)
2-Fluorophenol	70	(49 - 108)
	71	(49 - 108)
Phenol-d5	71	(62 - 114)
	72	(62 - 114)
2,4,6-Tribromophenol	85	(67 - 122)
	88	(67 - 122)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7D120264 **Work Order #...:** JVFLD1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: I7D210000-144 JVFLD1AD-LCSD
Prep Date.....: 04/21/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7111144 **Analysis Time..:** 14:19
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	3330	2520	ug/kg	75		SW846 8270C
	3330	2670	ug/kg	80	6.1	SW846 8270C
Acenaphthylene	3330	2450	ug/kg	73		SW846 8270C
	3330	2580	ug/kg	77	5.3	SW846 8270C
Aniline	3330	1580	ug/kg	47		SW846 8270C
	3330	1740	ug/kg	52	9.6	SW846 8270C
Anthracene	3330	2530	ug/kg	76		SW846 8270C
	3330	2670	ug/kg	80	5.6	SW846 8270C
Benzo(a)anthracene	3330	2600	ug/kg	78		SW846 8270C
	3330	2680	ug/kg	80	3.0	SW846 8270C
Benzo(b)fluoranthene	3330	2550	ug/kg	77		SW846 8270C
	3330	2650	ug/kg	79	3.7	SW846 8270C
Benzo(k)fluoranthene	3330	2560	ug/kg	77		SW846 8270C
	3330	2780	ug/kg	83	8.5	SW846 8270C
Benzoic acid	3330	1860	ug/kg	56		SW846 8270C
	3330	1940	ug/kg	58	4.1	SW846 8270C
Benzo(ghi)perylene	3330	2490	ug/kg	75		SW846 8270C
	3330	2610	ug/kg	78	4.8	SW846 8270C
Benzo(a)pyrene	3330	2590	ug/kg	78		SW846 8270C
	3330	2770	ug/kg	83	6.6	SW846 8270C
Benzyl alcohol	3330	2520	ug/kg	76		SW846 8270C
	3330	2620	ug/kg	79	3.9	SW846 8270C
2-Chlorophenol	3330	2260	ug/kg	68		SW846 8270C
	3330	2370	ug/kg	71	4.4	SW846 8270C
4-Chloro-3-methylphenol	3330	2470	ug/kg	74		SW846 8270C
	3330	2620	ug/kg	78	5.7	SW846 8270C
bis(2-Chloroethoxy) methane	3330	2450	ug/kg	74		SW846 8270C
	3330	2540	ug/kg	76	3.5	SW846 8270C
bis(2-Chloroethyl)-ether	3330	2330	ug/kg	70		SW846 8270C
	3330	2480	ug/kg	74	6.4	SW846 8270C
bis(2-Chloroisopropyl) ether	3330	2190	ug/kg	66		SW846 8270C
	3330	2310	ug/kg	69	5.1	SW846 8270C
bis(2-Ethylhexyl) phthalate	3330	2390	ug/kg	72		SW846 8270C
	3330	2500	ug/kg	75	4.3	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: I7D120264 **Work Order #...:** JVFLD1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: I7D210000-144 JVFLD1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,6-Dinitrotoluene	3330	2710	ug/kg	81		SW846 8270C
	3330	2940	ug/kg	88	8.2	SW846 8270C
Di-n-octyl phthalate	3330	2720	ug/kg	82		SW846 8270C
	3330	2860	ug/kg	86	5.2	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	3330	2320	ug/kg	70		SW846 8270C
	3330	2450	ug/kg	74	5.3	SW846 8270C
Fluoranthene	3330	2590	ug/kg	78		SW846 8270C
	3330	2740	ug/kg	82	5.5	SW846 8270C
Fluorene	3330	2600	ug/kg	78		SW846 8270C
	3330	2770	ug/kg	83	6.6	SW846 8270C
Hexachlorobenzene	3330	2730	ug/kg	82		SW846 8270C
	3330	2890	ug/kg	87	5.6	SW846 8270C
Hexachlorocyclopenta-diene	3330	1830	ug/kg	55		SW846 8270C
	3330	1910	ug/kg	57	4.4	SW846 8270C
Hexachloroethane	3330	2190	ug/kg	66		SW846 8270C
	3330	2290	ug/kg	69	4.7	SW846 8270C
Indeno(1,2,3-cd)pyrene	3330	2380	ug/kg	71		SW846 8270C
	3330	2520	ug/kg	76	5.7	SW846 8270C
Isophorone	3330	2450	ug/kg	73		SW846 8270C
	3330	2540	ug/kg	76	3.9	SW846 8270C
2-Methylnaphthalene	3330	2500	ug/kg	75		SW846 8270C
	3330	2590	ug/kg	78	3.9	SW846 8270C
2-Methylphenol	3330	2300	ug/kg	69		SW846 8270C
	3330	2450	ug/kg	73	6.0	SW846 8270C
2-Nitroaniline	3330	2480	ug/kg	74		SW846 8270C
	3330	2700	ug/kg	81	8.8	SW846 8270C
3-Nitroaniline	3330	2070	ug/kg	62		SW846 8270C
	3330	2440	ug/kg	73	17	SW846 8270C
4-Nitroaniline	3330	2510	ug/kg	75		SW846 8270C
	3330	2810	ug/kg	84	11	SW846 8270C
Nitrobenzene	3330	2290	ug/kg	69		SW846 8270C
	3330	2390	ug/kg	72	4.5	SW846 8270C
2-Nitrophenol	3330	2860	ug/kg	86		SW846 8270C
	3330	3020	ug/kg	91	5.4	SW846 8270C
4-Nitrophenol	3330	2450	ug/kg	74		SW846 8270C
	3330	2720	ug/kg	81	10	SW846 8270C
N-Nitrosodi-n-propyl-amine	3330	2150	ug/kg	64		SW846 8270C
	3330	2220	ug/kg	66	3.2	SW846 8270C

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Supporting Documentation

Lot Number E7D120264

(Note: A one-page "Description of Supporting Documentation" is provided at the beginning of each section.)

Check below when supporting documentation is present.

GC/MS Volatile	____
GC/MS Semivolatile	✓
GC Volatile	____
GC Semivolatile	____
Metals	✓
General Chemistry	✓

Sub-out STL-Denver 8081

GC/MS SEMIVOLATILES

CLP-Like Forms I - IV

Forms V, VI, VII and VIII can be found in the QC & Sample Data by Batch

Form VI can also be found in the Calibration Section

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D120264 005
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.03 / g Date Received: 04/12/07
Work Order: JTR4J1A1 Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 36

QC Batch: 7111144

Client Sample Id: BSS-8-EPA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	510	U
208-96-8	Acenaphthylene	510	U
98-86-2	Acetophenone	510	U
62-53-3	Aniline	510	U
120-12-7	Anthracene	510	U
1912-24-9	Atrazine	510	U
92-87-5	Benzidine	2600	U
56-55-3	Benzo(a)anthracene	510	U
205-99-2	Benzo(b)fluoranthene	510	U
207-08-9	Benzo(k)fluoranthene	510	U
65-85-0	**Benzoic acid**	**440**	**J**
191-24-2	Benzo(ghi)perylene	510	U
50-32-8	Benzo(a)pyrene	510	U
100-51-6	Benzyl alcohol	510	U
92-52-4	Biphenyl	510	U
111-91-1	bis(2-Chloroethoxy)methane	510	U
111-44-4	bis(2-Chloroethyl) ether	510	U
108-60-1	bis(2-Chloroisopropyl) ether	510	U
117-81-7	bis(2-Ethylhexyl) phthalate	510	U
101-55-3	4-Bromophenyl phenyl ether	510	U
85-68-7	Butyl benzyl phthalate	510	U
106-47-8	4-Chloroaniline	510	U
59-50-7	4-Chloro-3-methylphenol	510	U
91-58-7	2-Chloronaphthalene	510	U
95-57-8	2-Chlorophenol	510	U
7005-72-3	4-Chlorophenyl phenyl ether	510	U
218-01-9	Chrysene	510	U
53-70-3	Dibenz(a,h)anthracene	510	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D120264 005
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.03 / g Date Received: 04/12/07
Work Order: JTR4J1A1 Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 36

QC Batch: 7111144

Client Sample Id: BSS-8-EPA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
132-64-9	Dibenzofuran	510	U
84-74-2	Di-n-butyl phthalate	510	U
91-94-1	3,3'-Dichlorobenzidine	2600	U
120-83-2	2,4-Dichlorophenol	510	U
84-66-2	Diethyl phthalate	510	U
105-67-9	2,4-Dimethylphenol	510	U
131-11-3	Dimethyl phthalate	510	U
117-84-0	Di-n-octyl phthalate	510	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
51-28-5	2,4-Dinitrophenol	2600	U
121-14-2	2,4-Dinitrotoluene	510	U
606-20-2	2,6-Dinitrotoluene	510	U
206-44-0	Fluoranthene	510	U
86-73-7	Fluorene	510	U
118-74-1	Hexachlorobenzene	510	U
77-47-4	Hexachlorocyclopentadiene	2600	U
67-72-1	Hexachloroethane	510	U
193-39-5	Indeno(1,2,3-cd)pyrene	510	U
78-59-1	Isophorone	510	U
91-57-6	2-Methylnaphthalene	510	U
95-48-7	2-Methylphenol	510	U
88-74-4	2-Nitroaniline	510	U
99-09-2	3-Nitroaniline	510	U
100-01-6	4-Nitroaniline	510	U
98-95-3	Nitrobenzene	510	U
88-75-5	2-Nitrophenol	510	U
100-02-7	4-Nitrophenol	2600	U
62-75-9	N-Nitrosodimethylamine	510	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D120264 005
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.03 / g Date Received: 04/12/07
Work Order: JTR4J1A1 Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 36

QC Batch: 7111144

Client Sample Id: BSS-8-EPA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	510	U
86-30-6	N-Nitrosodiphenylamine	510	U
85-01-8	Phenanthrene	510	U
108-95-2	Phenol	510	U
129-00-0	Pyrene	510	U
110-86-1	Pyridine	510	U
95-95-4	2,4,5-Trichlorophenol	510	U
88-06-2	2,4,6-Trichlorophenol	510	U
86-74-8	Carbazole	510	U
122-66-7	1,2-Diphenylhydrazine (as Az	510	U
100-52-7	Benzaldehyde	510	U
105-60-2	Caprolactam	510	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	72	(40 - 122)
2-Fluorobiphenyl	76	(42 - 129)
Terphenyl-d14	82	(44 - 127)
2-Fluorophenol	67	(36 - 114)
Phenol-d5	69	(38 - 125)
2,4,6-Tribromophenol	83	(42 - 136)

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AA Date Extracted:04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %:NA

QC Batch: 7111144

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	330	U
208-96-8	Acenaphthylene	330	U
98-86-2	Acetophenone	330	U
62-53-3	Aniline	330	U
120-12-7	Anthracene	330	U
1912-24-9	Atrazine	330	U
92-87-5	Benzidine	1700	U
56-55-3	Benzo(a)anthracene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
65-85-0	Benzoic acid	1700	U
191-24-2	Benzo(ghi)perylene	330	U
50-32-8	Benzo(a)pyrene	330	U
100-51-6	Benzyl alcohol	330	U
92-52-4	Biphenyl	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
111-44-4	bis(2-Chloroethyl) ether	330	U
108-60-1	bis(2-Chloroisopropyl) ether	330	U
117-81-7	bis(2-Ethylhexyl) phthalate	330	U
101-55-3	4-Bromophenyl phenyl ether	330	U
85-68-7	Butyl benzyl phthalate	330	U
106-47-8	4-Chloroaniline	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-58-7	2-Chloronaphthalene	330	U
95-57-8	2-Chlorophenol	330	U
7005-72-3	4-Chlorophenyl phenyl ether	330	U
218-01-9	Chrysene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AA Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: NA

QC Batch: 7111144

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
132-64-9	Dibenzofuran	330	U
84-74-2	Di-n-butyl phthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	330	U
84-66-2	Diethyl phthalate	330	U
105-67-9	2,4-Dimethylphenol	330	U
131-11-3	Dimethyl phthalate	330	U
117-84-0	Di-n-octyl phthalate	330	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
51-28-5	2,4-Dinitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
206-44-0	Fluoranthene	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
77-47-4	Hexachlorocyclopentadiene	1700	U
67-72-1	Hexachloroethane	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
78-59-1	Isophorone	330	U
91-57-6	2-Methylnaphthalene	330	U
95-48-7	2-Methylphenol	330	U
88-74-4	2-Nitroaniline	330	U
99-09-2	3-Nitroaniline	330	U
100-01-6	4-Nitroaniline	330	U
98-95-3	Nitrobenzene	330	U
88-75-5	2-Nitrophenol	330	U
100-02-7	4-Nitrophenol	1700	U
62-75-9	N-Nitrosodimethylamine	330	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AA Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: NA

QC Batch: 7111144

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	330	U
86-30-6	N-Nitrosodiphenylamine	330	U
85-01-8	Phenanthrene	330	U
108-95-2	Phenol	330	U
129-00-0	Pyrene	330	U
110-86-1	Pyridine	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
86-74-8	Carbazole	330	U
122-66-7	1,2-Diphenylhydrazine (as Az	330	U
100-52-7	Benzaldehyde	330	U
105-60-2	Caprolactam	330	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	74	(40 - 122)
2-Fluorobiphenyl	80	(42 - 129)
Terphenyl-d14	83	(44 - 127)
2-Fluorophenol	71	(36 - 114)
Phenol-d5	72	(38 - 125)
2,4,6-Tribromophenol	81	(42 - 136)

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AC Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: NA

QC Batch: 7111144

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	2520	
208-96-8	Acenaphthylene	2450	
98-86-2	Acetophenone	2200	
62-53-3	Aniline	1580	
120-12-7	Anthracene	2530	
92-87-5	Benzidine	555	
56-55-3	Benzo(a)anthracene	2600	
205-99-2	Benzo(b)fluoranthene	2550	
207-08-9	Benzo(k)fluoranthene	2560	
65-85-0	Benzoic acid	1860	
191-24-2	Benzo(ghi)perylene	2490	
50-32-8	Benzo(a)pyrene	2590	
100-51-6	Benzyl alcohol	2520	
92-52-4	Biphenyl	2630	
111-91-1	bis(2-Chloroethoxy)methane	2450	
111-44-4	bis(2-Chloroethyl) ether	2330	
108-60-1	bis(2-Chloroisopropyl) ether	2190	
117-81-7	bis(2-Ethylhexyl) phthalate	2390	
101-55-3	4-Bromophenyl phenyl ether	2780	
85-68-7	Butyl benzyl phthalate	2820	
106-47-8	4-Chloroaniline	1600	
59-50-7	4-Chloro-3-methylphenol	2470	
91-58-7	2-Chloronaphthalene	2480	
95-57-8	2-Chlorophenol	2260	
7005-72-3	4-Chlorophenyl phenyl ether	2720	
218-01-9	Chrysene	2780	
53-70-3	Dibenz(a,h)anthracene	2300	
132-64-9	Dibenzofuran	2630	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g
Work Order: JVFLD1AC
Dilution factor: 1
Moisture %: NA

Date Received: 04/18/07
Date Extracted: 04/21/07
Date Analyzed: 04/26/07

QC Batch: 7111144

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
84-74-2	Di-n-butyl phthalate	2480	
91-94-1	3,3'-Dichlorobenzidine	2160	
120-83-2	2,4-Dichlorophenol	2680	
84-66-2	Diethyl phthalate	2650	
105-67-9	2,4-Dimethylphenol	2300	
131-11-3	Dimethyl phthalate	2720	
117-84-0	Di-n-octyl phthalate	2720	
534-52-1	4,6-Dinitro-2-methylphenol	2800	
51-28-5	2,4-Dinitrophenol	2170	
121-14-2	2,4-Dinitrotoluene	2930	
606-20-2	2,6-Dinitrotoluene	2710	
206-44-0	Fluoranthene	2590	
86-73-7	Fluorene	2600	
118-74-1	Hexachlorobenzene	2730	
77-47-4	Hexachlorocyclopentadiene	1830	
67-72-1	Hexachloroethane	2190	
193-39-5	Indeno(1,2,3-cd)pyrene	2380	
78-59-1	Isophorone	2450	
91-57-6	2-Methylnaphthalene	2500	
95-48-7	2-Methylphenol	2300	
88-74-4	2-Nitroaniline	2480	
99-09-2	3-Nitroaniline	2070	
100-01-6	4-Nitroaniline	2510	
98-95-3	Nitrobenzene	2290	
88-75-5	2-Nitrophenol	2860	
100-02-7	4-Nitrophenol	2450	
62-75-9	N-Nitrosodimethylamine	2170	
621-64-7	N-Nitrosodi-n-propylamine	2150	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AC Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: NA

QC Batch: 7111144

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
86-30-6	N-Nitrosodiphenylamine	2280	
85-01-8	Phenanthrene	2590	
108-95-2	Phenol	2280	
129-00-0	Pyrene	2760	
110-86-1	Pyridine	1780	
95-95-4	2,4,5-Trichlorophenol	2590	
88-06-2	2,4,6-Trichlorophenol	2650	
86-74-8	Carbazole	2550	
122-66-7	1,2-Diphenylhydrazine (as Az	2320	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	72	(62 - 108)
2-Fluorobiphenyl	78	(59 - 116)
Terphenyl-d14	89	(60 - 113)
2-Fluorophenol	70	(49 - 108)
Phenol-d5	71	(62 - 114)
2,4,6-Tribromophenol	85	(67 - 122)

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AD Date Extracted:04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %:NA

QC Batch: 7111144

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	2670	
208-96-8	Acenaphthylene	2580	
98-86-2	Acetophenone	2300	
62-53-3	Aniline	1740	
120-12-7	Anthracene	2670	
92-87-5	Benzidine	603	
56-55-3	Benzo(a)anthracene	2680	
205-99-2	Benzo(b)fluoranthene	2650	
207-08-9	Benzo(k)fluoranthene	2780	
65-85-0	Benzoic acid	1940	
191-24-2	Benzo(ghi)perylene	2610	
50-32-8	Benzo(a)pyrene	2770	
100-51-6	Benzyl alcohol	2620	
92-52-4	Biphenyl	2760	
111-91-1	bis(2-Chloroethoxy)methane	2540	
111-44-4	bis(2-Chloroethyl) ether	2480	
108-60-1	bis(2-Chloroisopropyl) ether	2310	
117-81-7	bis(2-Ethylhexyl) phthalate	2500	
101-55-3	4-Bromophenyl phenyl ether	2970	
85-68-7	Butyl benzyl phthalate	3010	
106-47-8	4-Chloroaniline	1890	
59-50-7	4-Chloro-3-methylphenol	2620	
91-58-7	2-Chloronaphthalene	2610	
95-57-8	2-Chlorophenol	2370	
7005-72-3	4-Chlorophenyl phenyl ether	2920	
218-01-9	Chrysene	2930	
53-70-3	Dibenz(a,h)anthracene	2430	
132-64-9	Dibenzofuran	2810	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AD Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: NA

QC Batch: 7111144

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
84-74-2	Di-n-butyl phthalate	2620	
91-94-1	3,3'-Dichlorobenzidine	2370	
120-83-2	2,4-Dichlorophenol	2850	
84-66-2	Diethyl phthalate	2880	
105-67-9	2,4-Dimethylphenol	2440	
131-11-3	Dimethyl phthalate	2950	
117-84-0	Di-n-octyl phthalate	2860	
534-52-1	4,6-Dinitro-2-methylphenol	2940	
51-28-5	2,4-Dinitrophenol	2170	
121-14-2	2,4-Dinitrotoluene	3240	
606-20-2	2,6-Dinitrotoluene	2940	
206-44-0	Fluoranthene	2740	
86-73-7	Fluorene	2770	
118-74-1	Hexachlorobenzene	2890	
77-47-4	Hexachlorocyclopentadiene	1910	
67-72-1	Hexachloroethane	2290	
193-39-5	Indeno(1,2,3-cd)pyrene	2520	
78-59-1	Isophorone	2540	
91-57-6	2-Methylnaphthalene	2590	
95-48-7	2-Methylphenol	2450	
88-74-4	2-Nitroaniline	2700	
99-09-2	3-Nitroaniline	2440	
100-01-6	4-Nitroaniline	2810	
98-95-3	Nitrobenzene	2390	
88-75-5	2-Nitrophenol	3020	
100-02-7	4-Nitrophenol	2720	
62-75-9	N-Nitrosodimethylamine	2270	
621-64-7	N-Nitrosodi-n-propylamine	2220	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:I7D210000 144
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JVFLD1AD Date Extracted:04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %:NA

QC Batch: 7111144

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
86-30-6	N-Nitrosodiphenylamine	2480	
85-01-8	Phenanthrene	2750	
108-95-2	Phenol	2390	
129-00-0	Pyrene	2920	
110-86-1	Pyridine	1720	
95-95-4	2,4,5-Trichlorophenol	2810	
88-06-2	2,4,6-Trichlorophenol	2850	
86-74-8	Carbazole	2680	
122-66-7	1,2-Diphenylhydrazine (as Az	2450	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	74	(62 - 108)
2-Fluorobiphenyl	80	(59 - 116)
Terphenyl-d14	92	(60 - 113)
2-Fluorophenol	71	(49 - 108)
Phenol-d5	72	(62 - 114)
2,4,6-Tribromophenol	88	(67 - 122)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number: PARENT

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.07 / g
Work Order: JT5CX1AC
Dilution factor: 1
Moisture %: 27

Date Received: 04/18/07
Date Extracted: 04/21/07
Date Analyzed: 04/26/07

QC Batch: 7111144

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	450	U
208-96-8	Acenaphthylene	450	U
98-86-2	**Acetophenone**	**41**	**J**
62-53-3	Aniline	450	U
120-12-7	Anthracene	450	U
92-87-5	Benzidine	2300	U
56-55-3	Benzo(a)anthracene	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
65-85-0	**Benzoic acid**	**410**	**J**
191-24-2	Benzo(ghi)perylene	450	U
50-32-8	Benzo(a)pyrene	450	U
100-51-6	Benzyl alcohol	450	U
92-52-4	Biphenyl	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
111-44-4	bis(2-Chloroethyl) ether	450	U
108-60-1	bis(2-Chloroisopropyl) ether	450	U
117-81-7	bis(2-Ethylhexyl) phthalate	450	U
101-55-3	4-Bromophenyl phenyl ether	450	U
85-68-7	Butyl benzyl phthalate	450	U
106-47-8	4-Chloroaniline	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-58-7	2-Chloronaphthalene	450	U
95-57-8	2-Chlorophenol	450	U
7005-72-3	4-Chlorophenyl phenyl ether	450	U
218-01-9	Chrysene	450	U
53-70-3	Dibenz(a,h)anthracene	450	U
132-64-9	Dibenzofuran	450	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.07 / g
Work Order: JT5CX1AC
Dilution factor: 1
Moisture %: 27

Date Received: 04/18/07
Date Extracted: 04/21/07
Date Analyzed: 04/26/07

QC Batch: 7111144

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
84-74-2	Di-n-butyl phthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	2300	U
120-83-2	2,4-Dichlorophenol	450	U
84-66-2	Diethyl phthalate	450	U
105-67-9	2,4-Dimethylphenol	450	U
131-11-3	Dimethyl phthalate	450	U
117-84-0	Di-n-octyl phthalate	450	U
534-52-1	4,6-Dinitro-2-methylphenol	2300	U
51-28-5	2,4-Dinitrophenol	2300	U
121-14-2	2,4-Dinitrotoluene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
206-44-0	Fluoranthene	450	U
86-73-7	Fluorene	450	U
118-74-1	Hexachlorobenzene	450	U
77-47-4	Hexachlorocyclopentadiene	2300	U
67-72-1	Hexachloroethane	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
78-59-1	Isophorone	450	U
91-57-6	2-Methylnaphthalene	450	U
95-48-7	2-Methylphenol	450	U
88-74-4	2-Nitroaniline	450	U
99-09-2	3-Nitroaniline	450	U
100-01-6	4-Nitroaniline	450	U
98-95-3	Nitrobenzene	450	U
88-75-5	2-Nitrophenol	450	U
100-02-7	4-Nitrophenol	2300	U
62-75-9	N-Nitrosodimethylamine	450	U
621-64-7	N-Nitrosodi-n-propylamine	450	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.07 / g Date Received: 04/18/07
Work Order: JT5CX1AC Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 27

QC Batch: 7111144

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
86-30-6	N-Nitrosodiphenylamine	450	U
85-01-8	Phenanthrene	450	U
108-95-2	Phenol	450	U
129-00-0	Pyrene	450	U
110-86-1	Pyridine	450	U
95-95-4	2,4,5-Trichlorophenol	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
86-74-8	Carbazole	450	U
122-66-7	1,2-Diphenylhydrazine (as Az	450	U
95-50-1	1,2-Dichlorobenzene	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
87-68-3	Hexachlorobutadiene	450	U
91-20-3	Naphthalene	450	U
65794-96-9	3-Methylphenol & 4-Methylphe	450	U
87-86-5	Pentachlorophenol	2300	U
120-82-1	1,2,4-Trichlorobenzene	450	U
10595-95-6	N-Nitrosomethylethylamine	450	U
55-18-5	N-Nitrosodiethylamine	450	U
930-55-2	N-Nitrosopyrrolidine	450	U
100-75-4	N-Nitrosopiperidine	450	U
924-16-3	N-Nitrosodi-n-butylamine	450	U
95-94-3	1,2,4,5-Tetrachlorobenzene	450	U
608-93-5	Pentachlorobenzene	450	U
88-85-7	Dinoseb	920	U
103-33-3	Azobenzene	450	U
58-90-2	2,3,4,6-Tetrachlorophenol	450	U
1888-71-7	Hexachloropropene	450	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.07 / g Date Received: 04/18/07
Work Order: JT5CX1AC Date Extracted:04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %:27

QC Batch: 7111144

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
87-65-0	2,6-Dichlorophenol	450	U
101-84-8	Diphenyl ether	450	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	72	(40 - 122)
2-Fluorobiphenyl	77	(42 - 129)
Terphenyl-d14	84	(44 - 127)
2-Fluorophenol	69	(36 - 114)
Phenol-d5	70	(38 - 125)
2,4,6-Tribromophenol	82	(42 - 136)

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.06 / g Date Received: 04/18/07
Work Order: JT5CX1AF Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 27

QC Batch: 7111144

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	3540	
208-96-8	Acenaphthylene	3460	
98-86-2	Acetophenone	3170	
62-53-3	Aniline	2150	
120-12-7	Anthracene	3620	
92-87-5	Benzidine	392	a
56-55-3	Benzo(a)anthracene	3610	
205-99-2	Benzo(b)fluoranthene	3750	
207-08-9	Benzo(k)fluoranthene	3400	
65-85-0	Benzoic acid	3100	
191-24-2	Benzo(ghi)perylene	3420	
50-32-8	Benzo(a)pyrene	3660	
100-51-6	Benzyl alcohol	3640	
92-52-4	Biphenyl	3720	
111-91-1	bis(2-Chloroethoxy)methane	3360	
111-44-4	bis(2-Chloroethyl) ether	3440	
108-60-1	bis(2-Chloroisopropyl) ether	3150	
117-81-7	bis(2-Ethylhexyl) phthalate	3370	
101-55-3	4-Bromophenyl phenyl ether	3920	
85-68-7	Butyl benzyl phthalate	4020	
106-47-8	4-Chloroaniline	2220	
59-50-7	4-Chloro-3-methylphenol	3480	
91-58-7	2-Chloronaphthalene	3540	
95-57-8	2-Chlorophenol	3280	
7005-72-3	4-Chlorophenyl phenyl ether	3860	
218-01-9	Chrysene	3910	
53-70-3	Dibenz(a,h)anthracene	3170	
132-64-9	Dibenzofuran	3710	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.06 / g Date Received: 04/18/07
Work Order: JT5CX1AF Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 27

QC Batch: 7111144

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
84-74-2	Di-n-butyl phthalate	3530	
91-94-1	3,3'-Dichlorobenzidine	2790	
120-83-2	2,4-Dichlorophenol	3810	
84-66-2	Diethyl phthalate	3800	
105-67-9	2,4-Dimethylphenol	3250	
131-11-3	Dimethyl phthalate	3850	
117-84-0	Di-n-octyl phthalate	3800	
534-52-1	4,6-Dinitro-2-methylphenol	4070	
51-28-5	2,4-Dinitrophenol	3190	
121-14-2	2,4-Dinitrotoluene	4240	
606-20-2	2,6-Dinitrotoluene	3830	
206-44-0	Fluoranthene	3680	
86-73-7	Fluorene	3680	
118-74-1	Hexachlorobenzene	3890	
77-47-4	Hexachlorocyclopentadiene	2620	
67-72-1	Hexachloroethane	3150	
193-39-5	Indeno(1,2,3-cd)pyrene	3300	
78-59-1	Isophorone	3480	
91-57-6	2-Methylnaphthalene	3540	
95-48-7	2-Methylphenol	3280	
88-74-4	2-Nitroaniline	3520	
99-09-2	3-Nitroaniline	2900	
100-01-6	4-Nitroaniline	3660	
98-95-3	Nitrobenzene	3300	
88-75-5	2-Nitrophenol	4160	
100-02-7	4-Nitrophenol	3700	
62-75-9	N-Nitrosodimethylamine	3160	
621-64-7	N-Nitrosodi-n-propylamine	3080	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30.06 / g Date Received: 04/18/07
Work Order: JT5CX1AF Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 27

QC Batch: 7111144

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
86-30-6	N-Nitrosodiphenylamine	3270	
85-01-8	Phenanthrene	3650	
108-95-2	Phenol	3300	
129-00-0	Pyrene	3910	
110-86-1	Pyridine	2060	
95-95-4	2,4,5-Trichlorophenol	3730	
88-06-2	2,4,6-Trichlorophenol	3750	
86-74-8	Carbazole	3490	
122-66-7	1,2-Diphenylhydrazine (as Az.	3280	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	73	(40 - 122)
2-Fluorobiphenyl	78	(42 - 129)
Terphenyl-d14	89	(44 - 127)
2-Fluorophenol	71	(36 - 114)
Phenol-d5	72	(38 - 125)
2,4,6-Tribromophenol	86	(42 - 136)

FORM I

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JT5CX1AG Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 27

QC Batch: 7111144

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	3700	
208-96-8	Acenaphthylene	3560	
98-86-2	Acetophenone	3320	
62-53-3	Aniline	2180	
120-12-7	Anthracene	3720	
92-87-5	Benzidine	422	a
56-55-3	Benzo(a)anthracene	3780	
205-99-2	Benzo(b)fluoranthene	3880	
207-08-9	Benzo(k)fluoranthene	3550	
65-85-0	Benzoic acid	3160	
191-24-2	Benzo(ghi)perylene	3590	
50-32-8	Benzo(a)pyrene	3770	
100-51-6	Benzyl alcohol	3690	
92-52-4	Biphenyl	3850	
111-91-1	bis(2-Chloroethoxy)methane	3640	
111-44-4	bis(2-Chloroethyl) ether	3680	
108-60-1	bis(2-Chloroisopropyl) ether	3320	
117-81-7	bis(2-Ethylhexyl) phthalate	3490	
101-55-3	4-Bromophenyl phenyl ether	4070	
85-68-7	Butyl benzyl phthalate	4230	
106-47-8	4-Chloroaniline	2050	
59-50-7	4-Chloro-3-methylphenol	3630	
91-58-7	2-Chloronaphthalene	3680	
95-57-8	2-Chlorophenol	3430	
7005-72-3	4-Chlorophenyl phenyl ether	3990	
218-01-9	Chrysene	4110	
53-70-3	Dibenz(a,h)anthracene	3340	
132-64-9	Dibenzofuran	3870	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JT5CX1AG Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 27

QC Batch: 7111144

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
84-74-2	Di-n-butyl phthalate	3590	
91-94-1	3,3'-Dichlorobenzidine	2870	
120-83-2	2,4-Dichlorophenol	3950	
84-66-2	Diethyl phthalate	3900	
105-67-9	2,4-Dimethylphenol	3370	
131-11-3	Dimethyl phthalate	4020	
117-84-0	Di-n-octyl phthalate	3910	
534-52-1	4,6-Dinitro-2-methylphenol	4050	
51-28-5	2,4-Dinitrophenol	3060	
121-14-2	2,4-Dinitrotoluene	4370	
606-20-2	2,6-Dinitrotoluene	3990	
206-44-0	Fluoranthene	3720	
86-73-7	Fluorene	3780	
118-74-1	Hexachlorobenzene	3960	
77-47-4	Hexachlorocyclopentadiene	2820	
67-72-1	Hexachloroethane	3320	
193-39-5	Indeno(1,2,3-cd)pyrene	3470	
78-59-1	Isophorone	3650	
91-57-6	2-Methylnaphthalene	3680	
95-48-7	2-Methylphenol	3450	
88-74-4	2-Nitroaniline	3680	
99-09-2	3-Nitroaniline	2860	
100-01-6	4-Nitroaniline	3790	
98-95-3	Nitrobenzene	3450	
88-75-5	2-Nitrophenol	4390	
100-02-7	4-Nitrophenol	3820	
62-75-9	N-Nitrosodimethylamine	3370	
621-64-7	N-Nitrosodi-n-propylamine	3240	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID: I7D180179 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 30 / g Date Received: 04/18/07
Work Order: JT5CX1AG Date Extracted: 04/21/07
Dilution factor: 1 Date Analyzed: 04/26/07
Moisture %: 27

QC Batch: 7111144

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
86-30-6	N-Nitrosodiphenylamine	3390	
85-01-8	Phenanthrene	3770	
108-95-2	Phenol	3430	
129-00-0	Pyrene	4070	
110-86-1	Pyridine	2380	
95-95-4	2,4,5-Trichlorophenol	3860	
88-06-2	2,4,6-Trichlorophenol	3920	
86-74-8	Carbazole	3600	
122-66-7	1,2-Diphenylhydrazine (as Az	3370	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	80	(40 - 122)
2-Fluorobiphenyl	82	(42 - 129)
Terphenyl-d14	94	(44 - 127)
2-Fluorophenol	77	(36 - 114)
Phenol-d5	77	(38 - 125)
2,4,6-Tribromophenol	90	(42 - 136)

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7D120264

Extraction: XXA13QL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	BSS-8-EPA	72	76	82	67	69	83	00
02	INTRA-LAB QC	72	77	84	69	70	82	00
03	METHOD BLK. JVFLD1AA	74	80	83	71	72	81	00
04	LCS JVFLD1AC	72	78	89	70	71	85	00
05	LAB MS/MSD D	80	82	94	77	77	90	00
06	LCSD JVFLD1AD	74	80	92	71	72	88	00
07	LAB MS/MSD S	73	78	89	71	72	86	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(40-122)
SRG02	= 2-Fluorobiphenyl	(42-129)
SRG03	= Terphenyl-d14	(44-127)
SRG04	= 2-Fluorophenol	(36-114)
SRG05	= Phenol-d5	(38-125)
SRG06	= 2,4,6-Tribromophenol	(42-136)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: I7D180179 WO #: JT5CX1AF
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Acenaphthene	4560	ND	3540	78	58- 104	
Acenaphthylene	4560	ND	3460	76	59- 104	
Aniline	4560	ND	2150	47	25- 98	
Anthracene	4560	ND	3620	79	62- 109	
Benzo(a)anthracene	4560	ND	3610	79	59- 109	
Benzo(b)fluoranthene	4560	ND	3750	82	54- 106	
Benzo(k)fluoranthene	4560	ND	3400	75	56- 124	
Benzoic acid	4560	410	3100	59	8- 111	
Benzo(ghi)perylene	4560	ND	3420	75	56- 128	
Benzo(a)pyrene	4560	ND	3660	80	60- 109	
Benzyl alcohol	4560	ND	3640	80	42- 122	
2-Chlorophenol	4560	ND	3280	72	43- 107	
4-Chloro-3-methylphenol	4560	ND	3480	76	56- 112	
bis(2-Chloroethoxy)methan	4560	ND	3360	74	48- 106	
bis(2-Chloroethyl) ether	4560	ND	3440	75	39- 105	
bis(2-Chloroisopropyl) et	4560	ND	3150	69	43- 103	
bis(2-Ethylhexyl) phthala	4560	ND	3370	74	60- 106	
4-Bromophenyl phenyl ethe	4560	ND	3920	86	59- 115	
Butyl benzyl phthalate	4560	ND	4020	88	59- 105	
Carbazole	4560	ND	3490	77	60- 112	
4-Chloroaniline	4560	ND	2220	49	22- 110	
2-Chloronaphthalene	4560	ND	3540	78	50- 112	
4-Chlorophenyl phenyl eth	4560	ND	3860	85	59- 104	
Chrysene	4560	ND	3910	86	61- 110	
Dibenz(a,h)anthracene	4560	ND	3170	70	62- 119	
Dibenzofuran	4560	ND	3710	81	58- 103	
Di-n-butyl phthalate	4560	ND	3530	77	60- 110	
3,3'-Dichlorobenzidine	4560	ND	2790	61	41- 105	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD Level: (low/med) LOW

Lot #: I7D180179 WO #: JT5CX1AF
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
2,4-Dichlorophenol	4560	ND	3810	84	50- 107	
Diethyl phthalate	4560	ND	3800	83	59- 107	
2,4-Dimethylphenol	4560	ND	3250	71	43- 102	
Dimethyl phthalate	4560	ND	3850	84	58- 106	
4,6-Dinitro-2-methylpheno	4560	ND	4070	89	42- 121	
2,4-Dinitrophenol	4560	ND	3190	70	7- 113	
2,4-Dinitrotoluene	4560	ND	4240	93	55- 110	
2,6-Dinitrotoluene	4560	ND	3830	84	58- 104	
Di-n-octyl phthalate	4560	ND	3800	83	58- 109	
1,2-Diphenylhydrazine (as	4560	ND	3280	72	53- 128	
Fluoranthene	4560	ND	3680	81	62- 113	
Fluorene	4560	ND	3680	81	60- 107	
Hexachlorobenzene	4560	ND	3890	85	62- 107	
Hexachlorocyclopentadiene	4560	ND	2620	57	2- 111	
Hexachloroethane	4560	ND	3150	69	41- 100	
Indeno(1,2,3-cd)pyrene	4560	ND	3300	72	60- 121	
Isophorone	4560	ND	3480	76	49- 110	
2-Methylnaphthalene	4560	ND	3540	78	52- 102	
2-Methylphenol	4560	ND	3280	72	46- 109	
2-Nitroaniline	4560	ND	3520	77	52- 117	
3-Nitroaniline	4560	ND	2900	64	35- 119	
4-Nitroaniline	4560	ND	3660	80	50- 135	
Nitrobenzene	4560	ND	3300	73	46- 106	
2-Nitrophenol	4560	ND	4160	91	47- 106	
4-Nitrophenol	4560	ND	3700	81	41- 125	
N-Nitrosodi-n-propylamine	4560	ND	3080	68	46- 110	
N-Nitrosodimethylamine	4560	ND	3160	69	32- 98	
N-Nitrosodiphenylamine	4560	ND	3270	72	46- 97	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD Level: (low/med) LOW

Lot #: I7D180179 WO #: JT5CX1AF
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenanthrene	4560	ND	3650	80	61- 111	
Phenol	4560	ND	3300	72	46- 117	
Pyrene	4560	ND	3910	86	61- 106	
Pyridine	4560	ND	2060	45	25- 86	
2,4,5-Trichlorophenol	4560	ND	3730	82	54- 104	
2,4,6-Trichlorophenol	4560	ND	3750	82	53- 103	
Benzidine	4560	ND	392	8*	10- 102	a
Acetophenone	4560	41	3170	69	47- 108	
Biphenyl	4560	ND	3720	81	64- 125	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 65 outside limits

COMMENTS:

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: I7D180179 WO #: JT5CX1AG
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Acenaphthene	4570	3700	81	4.4	30	58 - 104	
Acenaphthylene	4570	3560	78	2.7	30	59 - 104	
Aniline	4570	2180	48	1.1	30	25 - 98	
Anthracene	4570	3720	81	2.8	30	62 - 109	
Benzo(a)anthracene	4570	3780	83	4.5	30	59 - 109	
Benzo(b)fluoranthene	4570	3880	85	3.5	30	54 - 106	
Benzo(k)fluoranthene	4570	3550	78	4.3	30	56 - 124	
Benzoic acid	4570	3160	60	2.0	30	8 - 111	
Benzo(ghi)perylene	4570	3590	79	4.9	30	56 - 128	
Benzo(a)pyrene	4570	3770	83	3.0	30	60 - 109	
Benzyl alcohol	4570	3690	81	1.4	30	42 - 122	
2-Chlorophenol	4570	3430	75	4.5	30	43 - 107	
4-Chloro-3-methylphenol	4570	3630	79	4.1	30	56 - 112	
bis(2-Chloroethoxy)methan	4570	3640	80	7.8	30	48 - 106	
bis(2-Chloroethyl) ether	4570	3680	81	6.8	30	39 - 105	
bis(2-Chloroisopropyl) et	4570	3320	73	5.4	30	43 - 103	
bis(2-Ethylhexyl) phthala	4570	3490	76	3.5	30	60 - 106	
4-Bromophenyl phenyl ethe	4570	4070	89	3.9	30	59 - 115	
Butyl benzyl phthalate	4570	4230	93	4.9	30	59 - 105	
Carbazole	4570	3600	79	3.0	30	60 - 112	
4-Chloroaniline	4570	2050	45	8.1	30	22 - 110	
2-Chloronaphthalene	4570	3680	81	3.9	30	50 - 112	
4-Chlorophenyl phenyl eth	4570	3990	87	3.3	30	59 - 104	
Chrysene	4570	4110	90	4.8	30	61 - 110	
Dibenz(a,h)anthracene	4570	3340	73	5.0	30	62 - 119	
Dibenzofuran	4570	3870	85	4.2	30	58 - 103	
Di-n-butyl phthalate	4570	3590	79	1.8	30	60 - 110	
3,3'-Dichlorobenzidine	4570	2870	63	2.8	30	41 - 105	

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SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: I7D180179 WO #: JT5CX1AG
BATCH: 7111144

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
2,4-Dichlorophenol	4570	3950	87	3.7	30	50- 107	
Diethyl phthalate	4570	3900	85	2.5	30	59- 107	
2,4-Dimethylphenol	4570	3370	74	3.9	30	43- 102	
Dimethyl phthalate	4570	4020	88	4.4	30	58- 106	
4,6-Dinitro-2-methylpheno	4570	4050	89	0.61	30	42- 121	
2,4-Dinitrophenol	4570	3060	67	4.1	30	7- 113	
2,4-Dinitrotoluene	4570	4370	96	3.1	30	55- 110	
2,6-Dinitrotoluene	4570	3990	87	4.1	30	58- 104	
Di-n-octyl phthalate	4570	3910	86	2.7	30	58- 109	
1,2-Diphenylhydrazine (as	4570	3370	74	2.8	30	53- 128	
Fluoranthene	4570	3720	81	1.1	30	62- 113	
Fluorene	4570	3780	83	2.8	30	60- 107	
Hexachlorobenzene	4570	3960	87	1.8	30	62- 107	
Hexachlorocyclopentadiene	4570	2820	62	7.4	30	2- 111	
Hexachloroethane	4570	3320	73	5.2	30	41- 100	
Indeno(1,2,3-cd)pyrene	4570	3470	76	5.1	30	60- 121	
Isophorone	4570	3650	80	4.8	30	49- 110	
2-Methylnaphthalene	4570	3680	81	3.9	30	52- 102	
2-Methylphenol	4570	3450	76	5.2	30	46- 109	
2-Nitroaniline	4570	3680	81	4.5	30	52- 117	
3-Nitroaniline	4570	2860	63	1.4	30	35- 119	
4-Nitroaniline	4570	3790	83	3.5	30	50- 135	
Nitrobenzene	4570	3450	76	4.4	30	46- 106	
2-Nitrophenol	4570	4390	96	5.3	30	47- 106	
4-Nitrophenol	4570	3820	84	3.2	30	41- 125	
N-Nitrosodi-n-propylamine	4570	3240	71	5.1	30	46- 110	
N-Nitrosodimethylamine	4570	3370	74	6.4	30	32- 98	
N-Nitrosodiphenylamine	4570	3390	74	3.7	30	46- 97	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: I7D180179 WO #: JT5CX1AG
BATCH: 7111144

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Phenanthrene	4570	3770	82	3.2	30	61- 111	
Phenol	4570	3430	75	3.9	30	46- 117	
Pyrene	4570	4070	89	3.9	30	61- 106	
Pyridine	4570	2380	52	14	30	25- 86	
2,4,5-Trichlorophenol	4570	3860	84	3.4	30	54- 104	
2,4,6-Trichlorophenol	4570	3920	86	4.5	30	53- 103	
Benzidine	4570	422	9*	7.4	30	10- 102	a
Acetophenone	4570	3320	72	4.4	30	47- 108	
Biphenyl	4570	3850	84	3.4	30	64- 125	

NOTES (S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 65 outside limits
Spike Recovery: 1 out of 65 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7D210000 WO #: JVFLD1AC
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Acenaphthene	3330	2520	75	58- 104	
Acenaphthylene	3330	2450	73	59- 104	
Aniline	3330	1580	47	25- 98	
Anthracene	3330	2530	76	62- 109	
Benzo(a)anthracene	3330	2600	78	59- 109	
Benzo(b)fluoranthene	3330	2550	77	54- 106	
Benzo(k)fluoranthene	3330	2560	77	56- 124	
Benzoic acid	3330	1860	56	8- 111	
Benzo(ghi)perylene	3330	2490	75	56- 128	
Benzo(a)pyrene	3330	2590	78	60- 109	
Benzyl alcohol	3330	2520	76	42- 122	
2-Chlorophenol	3330	2260	68	43- 107	
4-Chloro-3-methylphenol	3330	2470	74	56- 112	
bis(2-Chloroethoxy)methan	3330	2450	74	48- 106	
bis(2-Chloroethyl) ether	3330	2330	70	39- 105	
bis(2-Chloroisopropyl) et	3330	2190	66	43- 103	
bis(2-Ethylhexyl) phthala	3330	2390	72	60- 106	
4-Bromophenyl phenyl ethe	3330	2780	83	59- 115	
Butyl benzyl phthalate	3330	2820	85	59- 105	
Carbazole	3330	2550	76	60- 112	
4-Chloroaniline	3330	1600	48	22- 110	
2-Chloronaphthalene	3330	2480	74	50- 112	
4-Chlorophenyl phenyl eth	3330	2720	82	59- 104	
Chrysene	3330	2780	83	61- 110	
Dibenz(a,h)anthracene	3330	2300	69	62- 119	
Dibenzofuran	3330	2630	79	58- 103	
Di-n-butyl phthalate	3330	2480	74	60- 110	
3,3'-Dichlorobenzidine	3330	2160	65	41- 105	
2,4-Dichlorophenol	3330	2680	80	50- 107	
Diethyl phthalate	3330	2650	79	59- 107	
2,4-Dimethylphenol	3330	2300	69	43- 102	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7D210000 WO #: JVFLD1AC
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Dimethyl phthalate	3330	2720	82	58- 106	
4,6-Dinitro-2-methylpheno	3330	2800	84	42- 121	
2,4-Dinitrophenol	3330	2170	65	7- 113	
2,4-Dinitrotoluene	3330	2930	88	55- 110	
2,6-Dinitrotoluene	3330	2710	81	58- 104	
Di-n-octyl phthalate	3330	2720	82	58- 109	
1,2-Diphenylhydrazine (as	3330	2320	70	53- 128	
Fluoranthene	3330	2590	78	62- 113	
Fluorene	3330	2600	78	60- 107	
Hexachlorobenzene	3330	2730	82	62- 107	
Hexachlorocyclopentadiene	3330	1830	55	2- 111	
Hexachloroethane	3330	2190	66	41- 100	
Indeno(1,2,3-cd)pyrene	3330	2380	71	60- 121	
Isophorone	3330	2450	73	49- 110	
2-Methylnaphthalene	3330	2500	75	52- 102	
2-Methylphenol	3330	2300	69	46- 109	
2-Nitroaniline	3330	2480	74	52- 117	
3-Nitroaniline	3330	2070	62	35- 119	
4-Nitroaniline	3330	2510	75	50- 135	
Nitrobenzene	3330	2290	69	46- 106	
2-Nitrophenol	3330	2860	86	47- 106	
4-Nitrophenol	3330	2450	74	41- 125	
N-Nitrosodi-n-propylamine	3330	2150	64	46- 110	
N-Nitrosodimethylamine	3330	2170	65	32- 98	
N-Nitrosodiphenylamine	3330	2280	69	46- 97	
Phenanthrene	3330	2590	78	61- 111	
Phenol	3330	2280	68	46- 117	
Pyrene	3330	2760	83	61- 106	
Pyridine	3330	1780	53	25- 86	
2,4,5-Trichlorophenol	3330	2590	78	54- 104	
2,4,6-Trichlorophenol	3330	2650	79	53- 103	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7D210000 WO #: JVFLD1AC
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Benzidine	3330	555	17	10- 102	
Acetophenone	3330	2200	66	47- 108	
Biphenyl	3330	2630	79	64- 125	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 65 outside limits

COMMENTS:

SW846 8270C CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7D210000 WO #: JVFLD1AD
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Acenaphthene	3330	2670	80	58- 104	
Acenaphthylene	3330	2580	77	59- 104	
Aniline	3330	1740	52	25- 98	
Anthracene	3330	2670	80	62- 109	
Benzo(a)anthracene	3330	2680	80	59- 109	
Benzo(b)fluoranthene	3330	2650	79	54- 106	
Benzo(k)fluoranthene	3330	2780	83	56- 124	
Benzoic acid	3330	1940	58	8- 111	
Benzo(ghi)perylene	3330	2610	78	56- 128	
Benzo(a)pyrene	3330	2770	83	60- 109	
Benzyl alcohol	3330	2620	79	42- 122	
2-Chlorophenol	3330	2370	71	43- 107	
4-Chloro-3-methylphenol	3330	2620	78	56- 112	
bis(2-Chloroethoxy)methan	3330	2540	76	48- 106	
bis(2-Chloroethyl) ether	3330	2480	74	39- 105	
bis(2-Chloroisopropyl) et	3330	2310	69	43- 103	
bis(2-Ethylhexyl) phthala	3330	2500	75	60- 106	
4-Bromophenyl phenyl ethe	3330	2970	89	59- 115	
Butyl benzyl phthalate	3330	3010	90	59- 105	
Carbazole	3330	2680	80	60- 112	
4-Chloroaniline	3330	1890	57	22- 110	
2-Chloronaphthalene	3330	2610	78	50- 112	
4-Chlorophenyl phenyl eth	3330	2920	88	59- 104	
Chrysene	3330	2930	88	61- 110	
Dibenz(a,h)anthracene	3330	2430	73	62- 119	
Dibenzofuran	3330	2810	84	58- 103	
Di-n-butyl phthalate	3330	2620	79	60- 110	
3,3'-Dichlorobenzidine	3330	2370	71	41- 105	
2,4-Dichlorophenol	3330	2850	86	50- 107	
Diethyl phthalate	3330	2880	86	59- 107	
2,4-Dimethylphenol	3330	2440	73	43- 102	

(Continued on next page)

SW846 8270C CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7D210000 WO #: JVFLD1AD
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Dimethyl phthalate	3330	2950	88	58- 106	
4,6-Dinitro-2-methylpheno	3330	2940	88	42- 121	
2,4-Dinitrophenol	3330	2170	65	7- 113	
2,4-Dinitrotoluene	3330	3240	97	55- 110	
2,6-Dinitrotoluene	3330	2940	88	58- 104	
Di-n-octyl phthalate	3330	2860	86	58- 109	
1,2-Diphenylhydrazine (as	3330	2450	74	53- 128	
Fluoranthene	3330	2740	82	62- 113	
Fluorene	3330	2770	83	60- 107	
Hexachlorobenzene	3330	2890	87	62- 107	
Hexachlorocyclopentadiene	3330	1910	57	2- 111	
Hexachloroethane	3330	2290	69	41- 100	
Indeno(1,2,3-cd)pyrene	3330	2520	76	60- 121	
Isophorone	3330	2540	76	49- 110	
2-Methylnaphthalene	3330	2590	78	52- 102	
2-Methylphenol	3330	2450	73	46- 109	
2-Nitroaniline	3330	2700	81	52- 117	
3-Nitroaniline	3330	2440	73	35- 119	
4-Nitroaniline	3330	2810	84	50- 135	
Nitrobenzene	3330	2390	72	46- 106	
2-Nitrophenol	3330	3020	91	47- 106	
4-Nitrophenol	3330	2720	81	41- 125	
N-Nitrosodi-n-propylamine	3330	2220	66	46- 110	
N-Nitrosodimethylamine	3330	2270	68	32- 98	
N-Nitrosodiphenylamine	3330	2480	74	46- 97	
Phenanthrene	3330	2750	83	61- 111	
Phenol	3330	2390	72	46- 117	
Pyrene	3330	2920	88	61- 106	
Pyridine	3330	1720	52	25- 86	
2,4,5-Trichlorophenol	3330	2810	84	54- 104	
2,4,6-Trichlorophenol	3330	2850	85	53- 103	

(Continued on next page)

SW846 8270C CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7D210000 WO #: JVFLD1AD
BATCH: 7111144

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Benzidine	3330	603	18	10- 102	
Acetophenone	3330	2300	69	47- 108	
Biphenyl	3330	2760	83	64- 125	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 65 outside limits

COMMENTS:

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.

JVFLD1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLAUS

SDG Number:

Lab File ID: N042610.D

Lot Number: I7D120264

Date Analyzed: 04/26/07

Time Analyzed: 13:48

Matrix: SOLID

Date Extracted:04/21/07

GC Column: RTX-5MS ID: .25

Extraction Method: 3550B

Instrument ID: N1B

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSS-8-EPA	JTR4J1A1	N042616.D	04/26/07	17:05
02	INTRA-LAB QC	JT5CX1AC	N042612.D	04/26/07	15:04
03	LAB MS/MSD	JT5CX1AF S	N042613.D	04/26/07	15:34
04	LAB MS/MSD	JT5CX1AG D	N042614.D	04/26/07	16:04
05	CHECK SAMPLE	JVFLD1AC C	N042611.D	04/26/07	14:19
06	DUPLICATE CHECK	JVFLD1AD L	N042615.D	04/26/07	16:35
07					
08					
09					
10					
11					
12					
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17					
18					
19					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 8270C

Associated Samples: 5

Batch Number: 7111144

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N042607.B

Lab File ID: N042601 DFTPP Injection Date: 04/26/07

Instrument ID: MSN1 DFTPP Injection Time: 0920

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	31.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.2 (0.6)1
127	40.0 - 60.0% of mass 198	42.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.5
365	Greater than 1.0% of mass 198	2.38
441	Present, but less than mass 443	10.5
442	Greater than 40.0% of mass 198	72.8
443	17.0 - 23.0% of mass 442	14.3 (19.7)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_75	CCALIB_4	N042602	04/26/07	0939
02	APPIX_75	CCALIB_4	N042603	04/26/07	1016
03	ODD_10	ICALIB_1	N042604	04/26/07	1046
04	ODD_20	ICALIB_2	N042605	04/26/07	1116
05	ODD_50	ICALIB_3	N042606	04/26/07	1147
06	ODD_75	ICALIB_4	N042607	04/26/07	1217
07	ODD_100	ICALIB_5	N042608	04/26/07	1247
08	ODD_050	SSV_3	N042609	04/26/07	1318
09	I7D210000-14	JVFLD1AAB	N042610	04/26/07	1348
10	I7D210000-14	JVFLD1ACC	N042611	04/26/07	1419
11	MW-9-30	JT5CX1AC	N042612	04/26/07	1504
12	I7D180179-01	JT5CX1AFS	N042613	04/26/07	1534
13	I7D180179-01	JT5CX1AGD	N042614	04/26/07	1604
14	I7D210000-14	JVFLD1ADL	N042615	04/26/07	1635
15	BSS-8-EPA	JTR4J1A1	N042616	04/26/07	1705
16	MW-10-35	JT5DM1AC	N042617	04/26/07	1736
17	VIC-G-092FW	JT6RL1AC	N042618	04/26/07	1806
18	VIC-G-093CW	JT6RP1AC	N042619	04/26/07	1836
19	VIC-G-093FW	JT6R01AC	N042620	04/26/07	1906
20	VIC-G-147BW	JT6R81AC	N042621	04/26/07	1937
21	VIC-G-147DW	JT6TD1AC	N042622	04/26/07	2007
22	VIC-G-148BW	JT6TJ1AC	N042623	04/26/07	2037

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D Page 1
Report Date: 26-Apr-2007 10:03

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i
Lab File ID: N042602.D
Analysis Type:
Lab Sample ID: Ccalib_4
Method: \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m

Injection Date: 26-APR-2007 09:39
Init. Cal. Date(s): 12-MAR-2007 28-MAR-2007
Init. Cal. Times: 11:37 19:47
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 6 2-Fluorophenol	1.50216	1.39120	1.39120	0.010	7.38708	40.00000	Averaged
$ 12 Phenol-d5	1.72131	1.46404	1.46404	0.010	14.94583	40.00000	Averaged
$ 82 2,4,6-Tribromophenol	0.07914	0.07254	0.07254	0.010	8.34497	40.00000	Averaged
$ 29 Nitrobenzene-d5	0.39258	0.35386	0.35386	0.010	9.86263	40.00000	Averaged
$ 54 2-Fluorobiphenyl	1.24579	1.15230	1.15230	0.010	7.50469	40.00000	Averaged
$ 105 Terphenyl-d14	0.81433	0.77266	0.77266	0.010	5.11702	40.00000	Averaged
1 Pyridine	1.90632	1.68995	1.68995	0.010	11.34983	40.00000	Averaged
2 N-Nitrosodimethylamine	1.06420	0.93663	0.93663	0.010	11.98700	40.00000	Averaged
3 2-Picoline	1.98574	1.83820	1.83820	0.010	7.42998	40.00000	Averaged
4 N-Nitrosomethylethylamine	0.88943	0.81853	0.81853	0.010	7.97189	40.00000	Averaged
5 Methyl methanesulfonate	0.88547	0.77248	0.77248	0.010	12.76038	40.00000	Averaged
7 N-Nitrosodiethylamine	0.80746	0.74775	0.74775	0.010	7.39411	40.00000	Averaged
8 Ethyl methanesulfonate	1.19007	1.04855	1.04855	0.010	11.89175	40.00000	Averaged
9 Pentachloroethane	0.48758	0.42935	0.42935	0.010	11.94202	40.00000	Averaged
10 Aniline	2.33166	1.99791	1.99791	0.010	14.31394	40.00000	Averaged
11 bis(2-Chloroethyl)ether	1.63575	1.43733	1.43733	0.010	12.13022	40.00000	Averaged
13 Phenol	1.87685	1.58913	1.58913	0.010	15.32967	20.00000	Averaged
14 2-Chlorophenol	1.51112	1.41909	1.41909	0.010	6.08994	40.00000	Averaged
15 1,3-Dichlorobenzene	1.68210	1.58402	1.58402	0.010	5.83085	40.00000	Averaged
16 1,4-Dichlorobenzene	1.64411	1.52711	1.52711	0.010	7.11620	20.00000	Averaged
18 1,2-Dichlorobenzene	1.57214	1.47611	1.47611	0.010	6.10845	40.00000	Averaged
19 Benzyl Alcohol	0.99009	0.90603	0.90603	0.010	8.49089	40.00000	Averaged
20 bis(2-Chloroisopropyl)ether	2.23248	1.89348	1.89348	0.010	15.18489	40.00000	Averaged
21 2-Methylphenol	1.38637	1.25843	1.25843	0.010	9.22844	40.00000	Averaged
22 Acetophenone	1.89311	1.42835	1.42835	0.010	24.54987	40.00000	Averaged
23 N-Nitroso-di-n-propylamine	1.08368	0.88453	0.88453	0.050	18.37773	40.00000	Averaged
24 N-Nitrosopyrrolidine	0.71435	0.60854	0.60854	0.010	14.81210	40.00000	Averaged
25 3-(and/or 4-)Methylphenol	1.29198	1.00874	1.00874	0.010	21.92288	40.00000	Averaged
27 o-Toluidine	2.19695	1.98181	1.98181	0.010	9.79238	40.00000	Averaged
28 Hexachloroethane	0.58455	0.52556	0.52556	0.010	10.09199	40.00000	Averaged
30 Nitrobenzene	0.42260	0.37051	0.37051	0.010	12.32657	40.00000	Averaged
31 N-Nitrosopiperidine	0.18483	0.17697	0.17697	0.010	4.25268	40.00000	Averaged
32 Isophorone	0.73341	0.64758	0.64758	0.010	11.70409	40.00000	Averaged
33 2-Nitrophenol	0.18109	0.19725	0.19725	0.010	-8.92509	20.00000	Averaged
34 2,4-Dimethyphenol	0.35477	0.32848	0.32848	0.010	7.40906	40.00000	Averaged
35 Bis(2-chloroethoxy)methane	0.40950	0.36592	0.36592	0.010	10.64227	40.00000	Averaged
36 2,4-Dichlorophenol	0.27900	0.28470	0.28470	0.010	-2.04485	20.00000	Averaged
38 1,2,4-Trichlorobenzene	0.31162	0.30746	0.30746	0.010	1.33360	40.00000	Averaged
39 Benzoic Acid	75.00000	54.17511	0.10366	0.010	27.76652	40.00000	Wt Linear
41 Naphthalene	0.99663	0.90248	0.90248	0.010	9.44643	40.00000	Averaged
42 4-Chloroaniline	0.40051	0.36885	0.36885	0.010	7.90486	40.00000	Averaged
43 2,6-Dichlorophenol	0.27260	0.26356	0.26356	0.010	3.31850	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D Page 2
Report Date: 26-Apr-2007 10:03

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i
Lab File ID: N042602.D
Analysis Type:
Lab Sample ID: Ccalib_4
Method: \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m

Injection Date: 26-APR-2007 09:39
Init. Cal. Date(s): 12-MAR-2007 28-MAR-2007
Init. Cal. Times: 11:37 19:47
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
44 Hexachloropropene	0.18662	0.19089	0.19089	0.010	-2.29172	40.00000	Averaged	
45 Hexachlorobutadiene	0.17130	0.16784	0.16784	0.010	2.01516	20.00000	Averaged	
46 N-Nitroso-di-n-butylamine	0.22777	0.20076	0.20076	0.010	11.85760	40.00000	Averaged	
47 4-Chloro-3-Methylphenol	0.30072	0.27325	0.27325	0.010	9.13400	20.00000	Averaged	
48 Safrole	0.25568	0.25344	0.25344	0.010	0.87629	40.00000	Averaged	
49 2-Methylnaphthalene	0.65373	0.61117	0.61117	0.010	6.50927	40.00000	Averaged	
50 Hexachlorocyclopentadiene	0.27223	0.21281	0.21281	0.050	21.82861	40.00000	Averaged	
51 1,2,4,5-Tetrachlorobenzene	0.52208	0.49426	0.49426	0.010	5.32802	40.00000	Averaged	
52 2,4,6-Trichlorophenol	0.35366	0.34471	0.34471	0.010	2.53013	20.00000	Averaged	
53 2,4,5-Trichlorphenol	0.38740	0.37536	0.37536	0.010	3.10769	40.00000	Averaged	
55 2-Chloronaphthalene	0.42623	0.36599	0.36599	0.010	14.13238	40.00000	Averaged	
56 Isosafrole	0.49631	0.46145	0.46145	0.010	7.02293	40.00000	Averaged	
57 2-Nitroaniline	0.37858	0.33356	0.33356	0.010	11.89091	40.00000	Averaged	
58 1,4-Naphthoquinone	0.46115	0.43951	0.43951	0.010	4.69191	40.00000	Averaged	
59 Dimethylphthalate	1.27087	1.20516	1.20516	0.010	5.17069	40.00000	Averaged	
60 2,6-Dinitrotoluene	0.31085	0.29886	0.29886	0.010	3.85769	40.00000	Averaged	
61 1,3-Dinitrobenzene	0.21963	0.24011	0.24011	0.010	-9.32519	40.00000	Averaged	
62 Acenaphthylene	1.83314	1.62495	1.62495	0.010	11.35728	40.00000	Averaged	
63 3-Nitroaniline	0.34646	0.34213	0.34213	0.010	1.24774	40.00000	Averaged	
65 Acenaphthene	1.05719	0.94282	0.94282	0.010	10.81879	20.00000	Averaged	
66 2,4-Dinitrophenol	75.00000	67.51063	0.13972	0.050	9.98583	40.00000	Wt Linear	
67 Dibenzofuran	1.53153	1.41804	1.41804	0.010	7.41018	40.00000	Averaged	
68 4-Nitrophenol	0.17222	0.15661	0.15661	0.050	9.06350	40.00000	Averaged	
69 Pentachlorobenzene	0.41361	0.40662	0.40662	0.010	1.68926	40.00000	Averaged	
70 2,4-Dinitrotoluene	0.39671	0.41686	0.41686	0.010	-5.07979	40.00000	Averaged	
72 2,3,4,6-tetrachlorophenol	0.28338	0.27450	0.27450	0.010	3.13058	40.00000	Averaged	
74 Diethylphthalate	1.26001	1.18076	1.18076	0.010	6.28968	40.00000	Averaged	
75 4-Chlorophenyl-phenylether	0.59171	0.56095	0.56095	0.010	5.19831	40.00000	Averaged	
76 Fluorene	1.24860	1.13256	1.13256	0.010	9.29338	40.00000	Averaged	
77 5-Nitro-o-toluidine	0.38914	0.39260	0.39260	0.010	-0.88906	40.00000	Averaged	
78 4,6-Dinitro-2-methylphenol	75.00000	72.91741	0.11103	0.010	2.77678	40.00000	Wt Linear	
79 4-Nitroaniline	0.34986	0.32657	0.32657	0.010	6.65645	40.00000	Averaged	
80 N-Nitrosodiphenylamine/DPA	1.07749	0.99892	0.99892	0.010	7.29143	20.00000	Averaged	
81 Azobenzene	0.73353	0.59296	0.59296	0.010	19.16386	40.00000	Averaged	
83 Diallate #1	++++	0.10678	0.10678	0.010	++++	40.00000	Averaged	<-
84 4-Bromophenyl-phenylether	0.18162	0.15783	0.15783	0.010	13.09862	40.00000	Averaged	
85 Phenacetin	0.35233	0.27141	0.27141	0.010	22.96680	40.00000	Averaged	
86 Diallate #2	++++	0.02593	0.02593	0.010	++++	40.00000	Averaged	<-
87 Hexachlorobenzene	0.18705	0.17506	0.17506	0.010	6.41261	40.00000	Averaged	
88 1,3,5-Trinitrobenzene	75.00000	68.32721	0.15275	0.010	8.89706	40.00000	Wt Linear	
90 Pentachlorophenol	0.11756	0.11544	0.11544	0.010	1.80228	20.00000	Averaged	
91 Pronamide	0.30068	0.26193	0.26193	0.010	12.88737	40.00000	Averaged	

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D Page 3
Report Date: 26-Apr-2007 10:03

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 26-APR-2007 09:39
Lab File ID: N042602.D Init. Cal. Date(s): 12-MAR-2007 28-MAR-2007
Analysis Type: Init. Cal. Times: 11:37 19:47
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
92 Pentachloronitrobenzene	0.03383	0.03405	0.03405	0.010	-0.65862	40.00000	Averaged
94 Phenanthrene	0.98144	0.88034	0.88034	0.010	10.30050	40.00000	Averaged
95 Anthracene	1.01799	0.90558	0.90558	0.010	11.04240	40.00000	Averaged
96 Dinoseb	75.00000	78.30763	0.15469	0.010	-4.41017	40.00000	Wt Linear
97 Carbazole	1.00162	0.86609	0.86609	0.010	13.53084	40.00000	Averaged
98 Di-n-Butylphthalate	1.16611	0.99137	0.99137	0.010	14.98532	40.00000	Averaged
101 Isodrin	0.11462	0.10168	0.10168	0.010	11.29048	40.00000	Averaged
102 Fluoranthene	1.10534	0.97129	0.97129	0.010	12.12732	20.00000	Averaged
103 Benzidine	0.59896	0.57245	0.57245	0.010	4.42591	40.00000	Averaged
104 Pyrene	1.28796	1.23110	1.23110	0.010	4.41482	40.00000	Averaged
106 4-Dimethylaminoazobenzene	0.36691	0.31925	0.31925	0.010	12.98958	40.00000	Averaged
107 Chlorobenzilate	0.34168	0.34194	0.34194	0.010	-0.07459	40.00000	Averaged
109 3,3'-Dimethylbenzidine	0.71989	0.62051	0.62051	0.010	13.80495	40.00000	Averaged
110 Butylbenzylphthalate	0.55514	0.50041	0.50041	0.010	9.85961	40.00000	Averaged
111 2-Acetylaminofluorene	0.52594	0.51313	0.51313	0.010	2.43658	40.00000	Averaged
112 3,3'-Dichlorobenzidine	0.43951	0.41415	0.41415	0.010	5.77051	40.00000	Averaged
113 Benzo(a)anthracene	1.13524	1.01308	1.01308	0.010	10.76139	40.00000	Averaged
115 bis(2-Ethylhexyl)phthalate	0.72976	0.59845	0.59845	0.010	17.99467	40.00000	Averaged
116 Chrysene	1.08673	1.04021	1.04021	0.010	4.28111	40.00000	Averaged
117 Di-n-octylphthalate	1.41664	1.30334	1.30334	0.010	7.99762	20.00000	Averaged
118 7,12-Dimethylbenz(a)anthrac	0.53080	0.44612	0.44612	0.010	15.95365	40.00000	Averaged
119 Benzo(b)fluoranthene	1.34582	1.14466	1.14466	0.010	14.94694	40.00000	Averaged
120 Benzo(k)fluoranthene	1.29751	1.12288	1.12288	0.010	13.45925	40.00000	Averaged
121 Benzo(a)pyrene	1.16636	1.06903	1.06903	0.010	8.34499	20.00000	Averaged
123 3-MethylCholanthrene	0.63035	0.56274	0.56274	0.010	10.72596	40.00000	Averaged
125 Indeno(1,2,3-cd)pyrene	1.17319	0.91498	0.91498	0.010	22.00934	40.00000	Averaged
126 Dibenz(a,h)anthracene	0.99347	0.76649	0.76649	0.010	22.84718	40.00000	Averaged
127 Benzo(g,h,i)perylene	0.94532	0.77435	0.77435	0.010	18.08660	40.00000	Averaged
M 176 Diallate (total)	0.13496	0.13271	0.13271	0.010	1.66803	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042603.D Page 3
Report Date: 27-Apr-2007 07:58

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i
Lab File ID: N042603.D
Analysis Type:
Lab Sample ID: Ccalib_4
Method: \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m

Injection Date: 26-APR-2007 10:16
Init. Cal. Date(s): 12-MAR-2007 26-APR-2007
Init. Cal. Times: 11:37 12:47
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
26 N-Nitrosomorpholine	0.84324	0.70028	0.70028	0.010	16.95450	40.00000	Averaged
37 a,a-Dimethylphenethylamine	0.93206	0.84225	0.84225	0.010	9.63618	40.00000	Averaged
71 1-Naphthylamine	1.14855	1.01433	1.01433	0.010	11.68635	40.00000	Averaged
73 2-Naphthylamine	1.16752	0.95037	0.95037	0.010	18.59888	40.00000	Averaged
89 4-Aminobiphenyl	0.80186	0.70477	0.70477	0.010	12.10817	40.00000	Averaged
~~99 4-Nitroquinoline-1-oxide~~	~~75.00000~~	~~37.09571~~	~~0.02409~~	~~0.010~~	~~50.53906~~	~~40.00000~~	~~Wt Linear~~ <- NT
100 Methapyrilene	75.00000	49.41408	0.23221	0.010	34.11456	40.00000	Wt Linear
128 1,4-Dioxane	0.70847	0.46604	0.46604	0.010	34.21854	40.00000	Averaged
129 2-Ethoxyethanol	0.97899	0.62924	0.62924	0.010	35.72562	40.00000	Averaged
130 N,N-Dimethylformamide	1.24199	1.10053	1.10053	0.010	11.38987	40.00000	Averaged
131 Propyl cellosolve	1.84212	1.57957	1.57957	0.010	14.25243	40.00000	Averaged
132 Acrylamide	0.48575	0.40014	0.40014	0.010	17.62457	40.00000	Averaged
136 o,o,o-Triethylphosphorothio	0.16226	0.16180	0.16180	0.010	0.28738	40.00000	Averaged
137 o-Nitrotoluene	0.19444	0.18032	0.18032	0.010	7.26141	40.00000	Averaged
138 m-Nitrotoluene	0.18727	0.18511	0.18511	0.010	1.15776	40.00000	Averaged
139 p-Nitrotoluene	0.17903	0.17682	0.17682	0.010	1.23305	40.00000	Averaged
142 p-Phenylenediamine	0.35880	0.31400	0.31400	0.010	12.48788	40.00000	Averaged
143 1-Methylnaphthalene	0.57419	0.53302	0.53302	0.010	7.17045	40.00000	Averaged
146 Biphenyl	1.35822	1.07748	1.07748	0.010	20.66955	40.00000	Averaged
~~147 2.4-Toluene diamine~~	~~0.44561~~	~~0.23439~~	~~0.23439~~	~~0.010~~	~~47.39988~~	~~40.00000~~	Averaged <-
~~148 2,6-Toluene diamine~~	~~0.50387~~	~~0.28953~~	~~0.28953~~	~~0.010~~	~~42.53811~~	~~40.00000~~	Averaged <- NT
149 Diphenyl ether	0.72323	0.61439	0.61439	0.010	15.05007	40.00000	Averaged
150 1,4-Dinitrobenzene	0.15772	0.17618	0.17618	0.010	-11.70226	40.00000	Averaged
151 Dimethyl terephthalate	0.20777	0.19031	0.19031	0.010	8.40168	40.00000	Averaged
152 2,3-Dinitrotoluene	0.19474	0.19144	0.19144	0.010	1.69481	40.00000	Averaged
153 2,3,5,6-Tetrachlorophenol	0.24241	0.25706	0.25706	0.010	-6.04373	40.00000	Averaged
154 Thionazin	0.25168	0.21205	0.21205	0.010	15.74398	40.00000	Averaged
155 Sulfotepp	0.10621	0.08417	0.08417	0.010	20.74446	40.00000	Averaged
156 Phorate	0.48918	0.42694	0.42694	0.010	12.72271	40.00000	Averaged
157 Dimethoate	75.00000	56.26079	0.17746	0.010	24.98562	40.00000	Wt Linear
158 Disulfoton	0.37454	0.30054	0.30054	0.010	19.75690	40.00000	Averaged
159 Methyl parathion	0.18336	0.15412	0.15412	0.010	15.94687	40.00000	Averaged
160 Parathion	0.13077	0.11282	0.11282	0.010	13.72444	40.00000	Averaged
161 Aramite #1	++++	0.05392	0.05392	0.010	++++	40.00000	Averaged <-
162 Aramite #2	++++	0.09159	0.09159	0.010	++++	40.00000	Averaged <-
~~163 Famphur~~	~~0.00497~~	~~0.00252~~	~~0.00252~~	~~0.010~~	~~49.24916~~	~~40.00000~~	~~Averaged~~ <- NT
164 4,4-Methylenebis(2-chloroa	0.10159	0.09511	0.09511	0.010	6.38423	40.00000	Averaged
167 Dibenz(a,j)acridine	0.83818	0.68589	0.68589	0.010	18.16884	40.00000	Averaged
173 1-Methyl-2-pyrrolidone	0.90259	0.83722	0.83722	0.010	7.24274	40.00000	Averaged
M 177 Aramite (total)	0.14882	0.14551	0.14551	0.010	2.22667	40.00000	Averaged

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 12-MAR-2007 11:37
ıd Cal Date : 12-MAR-2007 19:00
ıant Method : ISTD
arget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ast Edit : 13-Mar-2007 08:55 MSN1.i

alibration File Names:
evel 1: \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D
evel 2: \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D
evel 3: \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D
evel 4: \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D
evel 5: \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D
evel 6: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D
evel 7: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Pyridine	1.85845	2.13443	1.98823	1.91494	1.84159	1.80484					
	1.80173						AVRG		1.90632		6.29978
2 N-Nitrosodimethylamine	1.03475	1.17412	1.09593	1.06154	1.02987	1.03240					
	1.02078						AVRG		1.06420		5.15231
3 2-Picoline	1.93104	2.19478	2.03876	1.97457	1.92475	1.92621					
	1.91009						AVRG		1.98574		5.14432
4 N-Nitrosomethylethylamine	0.84966	0.97058	0.91078	0.88833	0.86821	0.87363					
	0.86483						AVRG		0.88943		4.57394

3-13-7

STL Austin

INITIAL CALIBRATION DATA

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ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ast Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Methyl methanesulfonate	0.89051	1.00173	0.92203	0.88458	0.84126	0.84255					
	0.81564						AVRG		0.88547		7.07575
7 N-Nitrosodiethylamine	0.77988	0.88471	0.83075	0.80735	0.78265	0.79097					
	0.77587						AVRG		0.80746		4.83804
8 Ethyl methanesulfonate	1.15537	1.28964	1.21624	1.18795	1.15366	1.18012					
	1.14750						AVRG		1.19007		4.20754
9 Pentachloroethane	0.50084	0.56101	0.51558	0.48793	0.46053	0.44790					
	0.43924						AVRG		0.48758		8.77928
10 Aniline	2.40545	2.67989	2.46739	2.35022	2.21109	2.14983					
	2.05775						AVRG		2.33166		9.06585
11 bis(2-Chloroethyl)ether	1.57178	1.79711	1.64150	1.60602	1.56634	1.65255					
	1.61498						AVRG		1.63575		4.77323
13 Phenol	1.97280	2.19288	1.96439	1.85742	1.75591	1.73454					
	1.66001						AVRG		1.87685		9.70379

STL Austin

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ıst Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Chlorophenol	1.49995	1.71073	1.56986	1.50295	1.44345	1.45106					
	1.39983						AVRG		1.51112		6.83781
15 1,3-Dichlorobenzene	1.76587	1.95954	1.76475	1.67169	1.57942	1.53476					
	1.49864						AVRG		1.68210		9.61179
16 1,4-Dichlorobenzene	1.73710	1.92356	1.73221	1.63501	1.53935	1.49141					
	1.45011						AVRG		1.64411		10.13249
18 1,2-Dichlorobenzene	1.64371	1.83711	1.65410	1.56765	1.47128	1.43493					
	1.39621						AVRG		1.57214		9.78591
19 Benzyl Alcohol	0.95295	1.09426	1.02338	0.98856	0.95559	0.97405					
	0.94188						AVRG		0.99009		5.39426
20 bis(2-Chloroisopropyl)ether	2.31315	2.53298	2.32402	2.23001	2.11431	2.09588					
	2.01703						AVRG		2.23248		7.84922
21 2-Methylphenol	1.39278	1.55350	1.42869	1.38216	1.31858	1.34064					
	1.28821						AVRG		1.38637		6.32295

STL Austin

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ethod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ast Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetophenone	1.96261	2.13696	2.00188	1.93356	1.81675	1.75725					
	1.64276						AVRG		1.89311		8.75240
23 N-Nitroso-di-n-propylamine	1.10562	1.20690	1.11628	1.07114	1.03023	1.04847					
	1.00714						AVRG		1.08368		6.17185
24 N-Nitrosopyrrolidine	0.70429	0.77592	0.72800	0.71519	0.69604	0.70947					
	0.67154						AVRG		0.71435		4.52537
25 3-(and/or 4-)Methylphenol	1.41750	1.54357	1.37934	1.28865	1.18118	1.15538					
	1.07822						AVRG		1.29198		12.77035
27 o-Toluidine	2.27305	2.51813	2.31186	2.20461	2.08168	2.05949					
	1.92980						AVRG		2.19695		8.82941
28 Hexachloroethane	0.58145	0.65694	0.61090	0.58700	0.56014	0.55244					
	0.54300						AVRG		0.58455		6.73636
* 30 Nitrobenzene	0.42909	0.48929	0.44446	0.42260	0.40032	0.38918					
	0.38325						AVRG		0.42260		8.71006

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 12-MAR-2007 11:37
ıd Cal Date : 12-MAR-2007 19:00
ıant Method : ISTD
ırget Version : 4.14
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ethod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ıst Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 N-Nitrosopiperidine	0.18363	0.20933	0.19349	0.18556	0.17707	0.17431					
	0.17040						AVRG		0.18483		7.17848
32 Isophorone	0.76751	0.85462	0.76798	0.73164	0.68198	0.67422					
	0.65595						AVRG		0.73341		9.51194
33 2-Nitrophenol	0.17426	0.20651	0.19036	0.18302	0.17395	0.17081					
	0.16871						AVRG		0.18109		7.45038
34 2,4-Dimethyphenol	0.38795	0.42852	0.37889	0.35287	0.32455	0.31316					
	0.29741						AVRG		0.35477		13.15118
35 Bis(2-chloroethoxy)methane	0.42521	0.47567	0.42865	0.40767	0.38416	0.37748					
	0.36766						AVRG		0.40950		9.14463
36 2,4-Dichlorophenol	0.28545	0.32853	0.29730	0.28275	0.26241	0.25360					
	0.24296						AVRG		0.27900		10.41149
38 1,2,4-Trichlorobenzene	0.33370	0.37053	0.32783	0.30853	0.29004	0.27648					
	0.27422						AVRG		0.31162		11.21611

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 12-MAR-2007 11:37
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uant Method : ISTD
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ethod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ast Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Benzoic Acid	8077	23224	73089	113435	175436	238939					
	294548						WLINR	0.19017	0.16695		0.99310
41 Naphthalene	1.10679	1.21708	1.05462	0.98659	0.90549	0.86488					
	0.84096						AVRG		0.99663		13.83622
42 4-Chloroaniline	0.42338	0.48352	0.43423	0.40722	0.37075	0.35434					
	0.33015						AVRG		0.40051		13.11765
43 2,6-Dichlorophenol	0.28956	0.32610	0.29232	0.27213	0.25385	0.24207					
	0.23220						AVRG		0.27260		12.03168
44 Hexachloropropene	0.16931	0.20553	0.19920	0.19297	0.18449	0.17776					
	0.17707						AVRG		0.18662		7.02056
45 Hexachlorobutadiene	0.18516	0.20636	0.18074	0.16951	0.15804	0.15054					
	0.14873						AVRG		0.17130		12.22227
46 N-Nitroso-di-n-butylamine	0.22526	0.25865	0.24092	0.23217	0.21838	0.21213					
	0.20688						AVRG		0.22777		7.85710

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 12-MAR-2007 11:37
ıd Cal Date : 12-MAR-2007 19:00
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ıst Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Chloro-3-Methylphenol	0.29042	0.33551	0.32247	0.31030	0.29098	0.28114					
	0.27419						AVRG		0.30072		7.51442
48 Safrole	0.26317	0.29647	0.26910	0.25753	0.24123	0.23425					
	0.22802						AVRG		0.25568		9.22304
49 2-Methylnaphthalene	0.70676	0.78028	0.68528	0.65131	0.60579	0.58388					
	0.56280						AVRG		0.65373		11.72880
50 Hexachlorocyclopentadiene	0.22621	0.29674	0.29744	0.28978	0.27426	0.26611					
	0.25509						AVRG		0.27223		9.48112
51 1,2,4,5-Tetrachlorobenzene	0.58473	0.63790	0.53512	0.50726	0.47866	0.46043					
	0.45046						AVRG		0.52208		13.21134
52 2,4,6-Trichlorophenol	0.35181	0.40972	0.37392	0.35754	0.33736	0.32612					
	0.31916						AVRG		0.35366		8.78075
53 2,4,5-Trichlorphenol	0.38616	0.45583	0.40681	0.38957	0.36617	0.35745					
	0.34982						AVRG		0.38740		9.32199

STL Austin

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:art Cal Date : 12-MAR-2007 11:37
ıd Cal Date : 12-MAR-2007 19:00
ıant Method : ISTD
arget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ıst Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
55 2-Chloronaphthalene	0.46364	0.51304	0.44295	0.42135	0.39598	0.37839					
	0.36823						AVRG		0.42623		12.04160
56 Isosafrole	0.51741	0.58752	0.52327	0.49522	0.46692	0.44921					
	0.43461						AVRG		0.49631		10.52826
57 2-Nitroaniline	0.33633	0.41667	0.39136	0.38301	0.37579	0.37521					
	0.37170						AVRG		0.37858		6.36655
58 1,4-Naphthoquinone	0.44052	0.54154	0.49144	0.47565	0.43924	0.42633					
	0.41334						AVRG		0.46115		9.69541
59 Dimethylphthalate	1.27676	1.45153	1.31557	1.25363	1.21521	1.20414					
	1.17926						AVRG		1.27087		7.24827
60 2,6-Dinitrotoluene	0.28661	0.34487	0.32211	0.31652	0.30679	0.30302					
	0.29604						AVRG		0.31085		6.16150
61 1,3-Dinitrobenzene	0.16533	0.21632	0.22851	0.22980	0.23057	0.23438					
	0.23250						AVRG		0.21963		11.22190

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:thod file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
ıst Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Acenaphthylene	2.01711	2.23648	1.94114	1.81805	1.67118	1.60002					
	1.54804						AVRG		1.83314		13.55163
63 3-Nitroaniline	0.31088	0.37136	0.36352	0.35358	0.34549	0.34512					
	0.33523						AVRG		0.34646		5.72046
65 Acenaphthene	1.15987	1.28309	1.11129	1.03978	0.96917	0.93299					
	0.90417						AVRG		1.05719		12.88834
66 2,4-Dinitrophenol	3122	11304	40642	64548	99281	135785					
	162040						WLINR	0.19401	0.17538		0.99487
67 Dibenzofuran	1.65325	1.83504	1.60792	1.50456	1.41359	1.36956					
	1.33675						AVRG		1.53153		11.66754
68 4-Nitrophenol	0.12964	0.17819	0.18066	0.17844	0.17898	0.18039					
	0.17924						AVRG		0.17222		10.91603
69 Pentachlorobenzene	0.45075	0.49639	0.42575	0.40112	0.37833	0.37339					
	0.36952						AVRG		0.41361		11.40078

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
70 2,4-Dinitrotoluene	0.33863	0.42578	0.41256	0.40563	0.39952	0.40045					
	0.39440						AVRG		0.39671		6.96188
72 2,3,4,6-tetrachlorophenol	0.26868	0.32004	0.29017	0.27927	0.27522	0.27590					
	0.27435						AVRG		0.28338		6.15779
74 Diethylphthalate	1.25323	1.44809	1.31331	1.25255	1.20442	1.19114					
	1.15729						AVRG		1.26001		7.71528
75 4-Chlorophenyl-phenylether	0.62476	0.69318	0.60826	0.57929	0.55528	0.54596					
	0.53522						AVRG		0.59171		9.36601
76 Fluorene	1.35668	1.48966	1.29404	1.21193	1.16343	1.12895					
	1.09549						AVRG		1.24860		11.24176
77 5-Nitro-o-toluidine	0.35002	0.43302	0.40849	0.39660	0.38398	0.38231					
	0.36953						AVRG		0.38914		6.91435
78 4,6-Dinitro-2-methylphenol	6737	21528	63165	94315	134438	171171					
	194192						WLINR	0.10042	0.12086		0.99895

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 4-Nitroaniline	0.32417	0.38798	0.35990	0.35319	0.34172	0.34697					
	0.33510						AVRG		0.34986		5.85481
80 N-Nitrosodiphenylamine/DPA	1.13270	1.26140	1.14025	1.07674	1.01161	0.97545					
	0.94426						AVRG		1.07749		10.25899
81 Azobenzene	0.78488	0.86763	0.77327	0.72660	0.68484	0.65409					
	0.64341						AVRG		0.73353		10.99790
83 Diallate #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
84 4-Bromophenyl-phenylether	0.19338	0.21053	0.19025	0.18082	0.17066	0.16464					
	0.16102						AVRG		0.18162		9.75116
85 Phenacetin	0.36764	0.42061	0.37822	0.35716	0.33809	0.31082					
	0.29376						AVRG		0.35233		12.12285
86 Diallate #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
87 Hexachlorobenzene	0.19966	0.21855	0.19498	0.18176	0.17411	0.17025					
	0.17007						AVRG		0.18705		9.71122
88 1,3,5-Trinitrobenzene	10946	31310	90912	138583	198224	251158					
	289279						WLINR	0.09499	0.17754		0.99955
90 Pentachlorophenol	0.10002	0.12683	0.12243	0.11860	0.11735	0.11837					
	0.11933						AVRG		0.11756		7.13614
91 Pronamide	0.32898	0.36620	0.30953	0.28473	0.26340	0.25121					
	+++++						AVRG		0.30068		14.31611
92 Pentachloronitrobenzene	0.03329	0.03980	0.03539	0.03366	0.03194	0.03118					
	0.03154						AVRG		0.03383		8.88280
94 Phenanthrene	1.10687	1.21606	1.03886	0.95329	0.88638	0.84321					
	0.82539						AVRG		0.98144		14.84527
95 Anthracene	1.13095	1.25027	1.07623	0.98861	0.92325	0.88840					
	0.86820						AVRG		1.01799		13.84438

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
96 Dinoseb	9657	28617	81442	120438	169227	219917					
	+++++						WLINR	0.08827	0.15515		0.99925
97 Carbazole	1.10520	1.20925	1.02859	0.95224	0.88076	0.83368					
	+++++						AVRG		1.00162		14.10623
98 Di-n-Butylphthalate	1.27568	1.40834	1.20814	1.11277	1.02645	0.96530					
	+++++						AVRG		1.16611		14.09742
101 Isodrin	0.12654	0.13752	0.12096	0.11204	0.10470	0.10129					
	0.09931						AVRG		0.11462		12.45886
102 Fluoranthene	1.22988	1.33719	1.12926	1.04117	0.96673	0.92780					
	+++++						AVRG		1.10534		14.28679
103 Benzidine	0.50507	0.64814	0.67616	0.65980	0.59049	0.58319					
	0.52987						AVRG		0.59896		10.98782
104 Pyrene	1.41713	1.53906	1.33889	1.26875	1.18001	1.14972					
	1.12214						AVRG		1.28796		11.90074

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
106 4-Dimethylaminoazobenzene	0.37908	0.43380	0.38883	0.36907	0.34279	0.33460					
	0.32020						AVRG		0.36691		10.50591
107 Chlorobenzilate	0.34542	0.39414	0.35613	0.34324	0.32117	0.31846					
	0.31321						AVRG		0.34168		8.23246
109 3,3'-Dimethylbenzidine	0.72416	0.86767	0.75865	0.67069	0.57828	+++++					
	+++++						AVRG		0.71989		14.86978
110 Butylbenzylphthalate	0.62737	0.68270	0.58693	0.54626	0.49847	0.47807					
	0.46621						AVRG		0.55514		14.64116
111 2-Acetylaminofluorene	0.48906	0.58702	0.55851	0.53612	0.50822	0.50318					
	0.49952						AVRG		0.52594		6.84899
112 3,3'-Dichlorobenzidine	0.44639	0.51836	0.46650	0.44335	0.41236	0.40206					
	0.38754						AVRG		0.43951		10.11066
113 Benzo(a)anthracene	1.28371	1.34651	1.15863	1.10226	1.03593	1.02226					
	0.99742						AVRG		1.13524		11.92359

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
115 bis(2-Ethylhexyl)phthalate	0.81762	0.88073	0.75571	0.69842	0.62794	0.59816					
	+++++						AVRG		0.72976		14.99277
116 Chrysene	1.15750	1.27711	1.12849	1.07123	1.01072	0.98860					
	0.97347						AVRG		1.08673		10.04321
117 Di-n-octylphthalate	1.48488	1.66238	1.52247	1.43154	1.31244	1.28026					
	1.22249						AVRG		1.41664		10.92113
118 7,12-Dimethylbenz(a)anthracen	0.53033	0.62617	0.54735	0.52472	0.49982	0.49835					
	0.48884						AVRG		0.53080		8.82986
119 Benzo(b)fluoranthene	1.40341	1.51320	1.33378	1.26431	1.25472	1.30890					
	1.34246						AVRG		1.34582		6.63192
120 Benzo(k)fluoranthene	1.43285	1.52258	1.34005	1.26874	1.15211	1.06875					
	+++++						AVRG		1.29751		13.12840
121 Benzo(a)pyrene	1.21735	1.33563	1.20606	1.14593	1.09962	1.08742					
	1.07250						AVRG		1.16636		8.03849

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
123 3-MethylCholanthrene	0.64406	0.71921	0.65185	0.62262	0.59689	0.58975					
	0.58808						AVRG		0.63035		7.42994
125 Indeno(1,2,3-cd)pyrene	1.24324	1.39143	1.24140	1.17281	1.10699	1.04912					
	1.00735						AVRG		1.17319		11.24706
126 Dibenz(a,h)anthracene	1.03119	1.16578	1.05366	0.99003	0.94326	0.89800					
	0.87237						AVRG		0.99347		10.15347
127 Benzo(g,h,i)perylene	0.99815	1.15996	1.03374	0.96564	0.88648	0.81310					
	0.76019						AVRG		0.94532		14.47277
176 Diallate (total)	0.13862	0.15219	0.14034	0.13373	0.12932	0.12612					
	0.12438						AVRG		0.13496		7.17561
6 2-Fluorophenol	1.52034	1.73656	1.57709	1.50420	1.42431	1.40187					
	1.35077						AVRG		1.50216		8.59134

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
12 Phenol-d5	1.82139	2.01178	1.78621	1.69257	1.59918	1.59775					
	1.54028						AVRG		1.72131		9.55719
82 2,4,6-Tribromophenol	0.07891	0.08906	0.08138	0.07774	0.07611	0.07516					
	0.07563						AVRG		0.07914		6.16508
29 Nitrobenzene-d5	0.38343	0.44346	0.40792	0.39563	0.37886	0.37024					
	0.36851						AVRG		0.39258		6.72686
54 2-Fluorobiphenyl	1.39962	1.52419	1.30413	1.22193	1.13013	1.08240					
	1.05814						AVRG		1.24579		13.91984
105 Terphenyl-d14	0.86915	0.95862	0.84579	0.79844	0.75662	0.74430					
	0.72740						AVRG		0.81433		10.13382

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Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Wt Linear	Amt = b + Rsp/ml	Response

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Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
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Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D
Level 2: \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D
Level 3: \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D
Level 4: \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D
Level 5: \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D
Level 6: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D
Level 7: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
26 N-Nitrosomorpholine	0.91277	0.90507	0.83875	0.84591	0.82439	0.80354					
	0.77228						AVRG		0.84324		6.05701
37 a,a-Dimethylphenethylamine	0.90137	0.99084	0.96377	0.96152	0.93067	0.90555					
	0.87073						AVRG		0.93206		4.53847
71 1-Naphthylamine	1.30971	1.31883	1.20289	1.15121	1.13699	1.08097					
	0.83924						AVRG		1.14855		14.14228
73 2-Naphthylamine	1.28141	1.30224	1.19211	1.11365	1.07478	1.04091					
	+++++						AVRG		1.16752		9.32441

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 4-Aminobiphenyl	0.86834	0.88844	0.80696	0.79942	0.77123	0.74978					
	0.72885						AVRG		0.80186		7.36517
99 4-Nitroquinoline-1-oxide	+++++	8359	29584	48088	63800	78427					
	87764						WLINR	0.21725	0.06360		0.99614
100 Methapyrilene	63172	109166	207100	283598	346913	402132					
	+++++						WLINR	-0.22390	0.29836		0.99363
128 1,4-Dioxane	0.73934	0.74069	0.70009	0.70902	0.70321	0.68675					
	0.68020						AVRG		0.70847		3.34046
129 2-Ethoxyethanol	1.02647	1.02640	0.96071	0.97601	0.97304	0.95094					
	0.93936						AVRG		0.97899		3.54773
130 N,N-Dimethylformamide	1.29534	1.30150	1.21962	1.24411	1.23492	1.20597					
	1.19246						AVRG		1.24199		3.39899
131 Propyl cellosolve	1.96141	1.96188	1.81061	1.83266	1.81768	1.77263					
	1.73796						AVRG		1.84212		4.74965

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
132 Acrylamide	0.47042	0.49719	0.48211	0.49256	0.49191	0.48504					
	0.48105						AVRG		0.48575		1.85304
136 o,o,o-Triethylphosphorothioat	0.17945	0.18476	0.16438	0.16228	0.15337	0.14930					
	0.14231						AVRG		0.16226		9.58349
137 o-Nitrotoluene	0.20634	0.20981	0.19629	0.19514	0.18905	0.18512					
	0.17934						AVRG		0.19444		5.65637
138 m-Nitrotoluene	0.19101	0.19860	0.18849	0.19103	0.18519	0.18184					
	0.17476						AVRG		0.18727		4.06871
139 p-Nitrotoluene	0.18357	0.18991	0.17989	0.18183	0.17668	0.17371					
	0.16761						AVRG		0.17903		4.02601
142 p-Phenylenediamine	0.30429	0.40013	0.38481	0.37922	0.36182	0.34916					
	0.33221						AVRG		0.35880		9.23117
143 1-Methylnaphthalene	0.65382	0.64742	0.58517	0.57330	0.54013	0.52292					
	0.49655						AVRG		0.57419		10.45982

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Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
146 Biphenyl	1.59269	1.52960	1.29626	1.21354	1.15901	+++++					
	+++++						AVRG		1.35822		14.20054
147 2.4-Toluene diamine	+++++	0.36989	0.42727	0.46438	0.49380	0.50059					
	0.41776						AVRG		0.44561		11.23934
148 2,6-Toluene diamine	0.54246	0.51173	0.51224	0.54824	0.51387	0.51985					
	0.37872						AVRG		0.50387		11.34498
149 Diphenyl ether	0.83624	0.82345	0.72237	0.68168	0.65412	0.62155					
	+++++						AVRG		0.72323		12.31409
150 1,4-Dinitrobenzene	0.12550	0.15186	0.16267	0.16950	0.17854	0.17542					
	0.14054						AVRG		0.15772		12.35306
151 Dimethyl terephthalate	0.23498	0.23848	0.21704	0.20739	0.20577	0.19705					
	0.15367						AVRG		0.20777		13.63468
152 2,3-Dinitrotoluene	0.19836	0.20620	0.20296	0.20007	0.20166	0.19667					
	0.15728						AVRG		0.19474		8.63066

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
153 2,3,5,6-Tetrachlorophenol	0.23381	0.24417	0.25620	0.25348	0.25869	0.25094					
	0.19958						AVRG		0.24241		8.52404
154 Thionazin	0.27972	0.28756	0.26501	0.25285	0.25219	0.23835					
	0.18606						AVRG		0.25168		13.31445
155 Sulfotepp	0.11745	0.11958	0.10782	0.10594	0.10174	0.09722					
	0.09369						AVRG		0.10621		9.14006
156 Phorate	0.49929	0.49504	0.45768	0.44381	0.52876	0.51023					
	0.48945						AVRG		0.48918		6.01613
157 Dimethoate	36963	72315	140861	192451	230184	+++++					
	+++++						WLINR	-0.13889	0.21530		0.99011
158 Disulfoton	0.43887	0.42857	0.36974	0.36380	0.35056	0.34183					
	0.32843						AVRG		0.37454		11.41524
159 Methyl parathion	0.20122	0.21887	0.19453	0.18843	0.17273	0.16206					
	0.14566						AVRG		0.18336		13.57753

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
160 Parathion	0.12723	0.14260	0.13269	0.13410	0.12985	0.12723					
	0.12166						AVRG		0.13077		5.06874
161 Aramite #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
162 Aramite #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
163 Famphur	+++++	+++++	+++++	0.00497	+++++	+++++					
	+++++						AVRG		0.00497		0.000e+000 <-
164 4,4-Methylenebis(2-chloroa	0.11023	0.11078	0.10223	0.10125	0.09804	0.09488					
	0.09374						AVRG		0.10159		6.70920
167 Dibenz(a,j)acridine	0.82720	0.87519	0.84936	0.86595	0.84160	0.81499					
	0.79293						AVRG		0.83818		3.43838
173 1-Methyl-2-Pyrrolidone	0.91237	0.93208	0.87147	0.90454	0.90598	0.90149					
	0.89023						AVRG		0.90259		2.07436

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
M 177 Aramite (total)	0.15383	0.16157	0.15434	0.15244	0.14631	0.14022					
	0.13305						AVRG		0.14882		6.49295

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Wt Linear	Amt = b + Rsp/ml	Response

Report Date : 27-Apr-2007 08:06 Page 2

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 26-APR-2007 12:47
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Last Edit : 27-Apr-2007 08:06 MSN1.i
Curve Type : Average

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N042607.B\N042604.D
Level 2: \\aussvr02\ins_data\MSN1.i\N042607.B\N042605.D
Level 3: \\aussvr02\ins_data\MSN1.i\N042607.B\N042606.D
Level 4: \\aussvr02\ins_data\MSN1.i\N042607.B\N042607.D
Level 5: \\aussvr02\ins_data\MSN1.i\N042607.B\N042608.D
~~Level 6: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D~~ NA
~~Level 7: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D~~ NA

CMA 4/30/07

Compound	10.000 Level 1	20.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	120.000 Level 6	RRF	% RSD
	150.000 Level 7 NA					NA		
174 Caprolactam	0.11651 +++++	0.11740	0.12400	0.12459	0.13004	+++++	0.12251	4.570
218 Benzaldehyde	1.07802 +++++	1.05301	1.03389	1.02489	1.02241	+++++	1.04245	2.229
219 Atrazine	0.24342 +++++	0.23154	0.21712	0.21034	0.20647	+++++	0.22178	6.951

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N042607.B

Lab File ID (Standard): N042602 Date Analyzed: 04/26/07

Instrument ID: MSN1 Time Analyzed: 0939

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	124522	7.53	466599	9.48	255079	12.28
	UPPER LIMIT	249044	8.03	933198	9.98	510158	12.78
	LOWER LIMIT	62261	7.03	233300	8.98	127540	11.78
	CLIENT SAMPLE NO.						
01	ODD_050	120518	7.53	432246	9.47	233361	12.27
02	I7D210000-14	116020	7.53	420960	9.47	220547	12.27
03	I7D210000-14	114312	7.54	426151	9.48	228572	12.28
04	MW-9-30	115927	7.53	417961	9.47	214786	12.28
05	I7D180179-01	114430	7.54	426609	9.48	227599	12.28
06	I7D180179-01	114730	7.54	428340	9.48	230570	12.28
07	I7D210000-14	115132	7.54	429501	9.48	228544	12.28
08	BSS-8-EPA	121493	7.54	434016	9.47	229190	12.27
09	MW-10-35	118780	7.53	430278	9.47	228466	12.28
10	VIC-G-092FW	122087	7.54	440583	9.47	229678	12.28
11	VIC-G-093CW	122117	7.53	404107	9.47	234387	12.28
12	VIC-G-093FW	113470	7.54	411363	9.47	217786	12.27
13	VIC-G-147BW	121420	7.54	439493	9.47	234778	12.27
14	VIC-G-147DW	116575	7.54	421949	9.47	228594	12.27
15	VIC-G-148BW	122996	7.53	444194	9.47	236667	12.27
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = 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 internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N042607.B

Lab File ID (Standard): N042602 Date Analyzed: 04/26/07

Instrument ID: MSN1 Time Analyzed: 0939

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	482187	14.64	391712	18.92	368406	21.16
	UPPER LIMIT	964374	15.14	783424	19.42	736812	21.66
	LOWER LIMIT	241094	14.14	195856	18.42	184203	20.66
	CLIENT SAMPLE NO.						
01	ODD_050	423503	14.63	399544	18.91	330657	21.15
02	I7D210000-14	384511	14.63	379329	18.91	309997	21.15
03	I7D210000-14	428440	14.64	354220	18.92	329969	21.16
04	MW-9-30	385194	14.63	371868	18.91	308009	21.15
05	I7D180179-01	429183	14.64	355492	18.92	335787	21.16
06	I7D180179-01	436055	14.64	353030	18.92	334895	21.16
07	I7D210000-14	437296	14.64	361763	18.92	335227	21.16
08	BSS-8-EPA	405409	14.64	394311	18.91	327049	21.15
09	MW-10-35	399567	14.63	388660	18.91	318085	21.15
10	VIC-G-092FW	405171	14.63	399245	18.91	329191	21.15
11	VIC-G-093CW	420452	14.63	402043	18.91	331715	21.15
12	VIC-G-093FW	383731	14.63	373294	18.91	308260	21.15
13	VIC-G-147BW	411529	14.63	397557	18.91	332805	21.15
14	VIC-G-147DW	416091	14.63	384160	18.91	320868	21.15
15	VIC-G-148BW	420535	14.63	404974	18.91	336247	21.15
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = 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 internal standard area values with an asterisk.
* Values outside of QC limits.

QC & Sample Data

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7D180327	
I7D180179	
I7D120264	
cont 5/1/07 7	

Method Name/Type: M8270C

Instrument ID: MSN1

Analysis Date: 4/26/07

ICAL Date: 3/12/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits			✓	N/A
Runs checked for saturation			✓	
CLP only: surrogates and internal stds. labeled on chromatograms			✓	
Second source check standard analyzed successfully			✓	
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits		✓		✓
Quantified against appropriate standard (see note)	✓			✓
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			✓
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits	✓			✓
MS/MSD/DUPs RPD within limits	✓			✓
Other				
All nonconformances included and noted	✓			✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

I7D180327-23: Surrogates out due to dilution possible matrix effect Rerun at 1X also ✓

I7D180327-13 - 10X dil confirmed the 1X dil results (Not reported) (analyzed on 4/25/07)

Analyst: Mark Malloy M Malloy Date: 04/27/07

2nd Review: [signature] Date: 4/30/07

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/30/07
Time: 12:53:11

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	_	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 402066
401822 Luke A. Townsend

Concentrationist: 402066 Luke A. Townsend
401822 Luke A. Townsend

Reviewer/Date: TOWNSENL / 4/21/07

****
* QC BATCH: 7111144 *
****

PREP DATE: 4/21/07 13:00
COMP DATE: 4/21/07 14:30

Base/Neutrals and Acids (8270C)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/23/07	4/26/07	I7D120264-005 **JTR4J-1-A1**	D	13	QL	SOLID	**30.03g** 1.00mL	NA	NA	NA	MECL/ACE	300.0		.0	100ULSM8270SU00002
COMMENTS:															
5/01/07	5/02/07	I7D180179-001 **JT5CX-1-AC**		13	QL	SOLID	**30.07g** 1.00mL	NA	NA	NA	MECL/ACE	300.0		.0	100ULSM8270SU00002
COMMENTS:															
5/01/07	5/02/07	I7D180179-001 **JT5CX-1-AFS**		13	QL	SOLID	**30.06g** 1.00mL	NA	NA	NA	MECL/ACE	300.0		.0	500ULSM8270SP00007 100ULSM8270SU00002
COMMENTS:															
5/01/07	5/02/07	I7D180179-001 **JT5CX-1-AGD**		13	QL	SOLID	**30g** 1.00mL	NA	NA	NA	MECL/ACE	300.0		.0	500ULSM8270SP00007 100ULSM8270SU00002
COMMENTS:															
5/01/07	5/02/07	I7D180179-002 **JT5DM-1-AC**		13	QL	SOLID	**30.03g** 1.00mL	NA	NA	NA	MECL/ACE	300.0		.0	100ULSM8270SU00002
COMMENTS:															
5/01/07	0/00/00	I7D210000-144 **JVFLD-1-AAB**		13	QL	SOLID	**30g** 1.00g	NA	NA	NA	MECL/ACE	300.0		.0	100ULSM8270SU00002
COMMENTS:															
5/01/07	0/00/00	I7D210000-144 **JVFLD-1-ACC**		13	QL	SOLID	**30g** 1.00mL	NA	NA	NA	MECL/ACE	300.0		.0	500ULSM8270SP00007 100ULSM8270SU00002
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/30/07
Time: 12:53:11

****
* QC BATCH: 7111144 *
****

PREP DATE: 4/21/07 13:00
COMP DATE: 4/21/07 14:30

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
5/01/07	0/00/00	I7D210000-144 **JVFLD-1-ADL**	R	13	QL	SOLID	**30g** 1.00mL	NA	NA	NA	MECL/ACE	300.0		.0	500ULSM8270SP00007 100ULSM8270SU00002

COMMENTS:

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 8

INSTRUMENT GCMS-N1 (MSD4) ANALYST / DATE: Mark Malloy 4-26-7
SHIFT (Circle): 1 2 3 METHOD / TEST: M8270C
COMPUTER CLOCK DATE / TIME: SOP #: AUS MS 0005

DAILY CHECK ✓	INSERT CHANGED Cleaned	SEPTA CHANGED N	COLUMN CHANGED N	AUTOSAMPLER MAINT. N
M. PUMP OIL N	TURBO OIL N	FILAMENT CHANGE N	OTHER N/A	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTDD.U Sampling Rate 2^ 1
Elect Mult. 1756 volts Scan Range 35-500 amu
Tuning Performance (circle one): Interface (circle one):
DFTPP Autotune Other Direct Jet Separator Other

GC PROGRAM:

GC Meth. N031207MM Initial Temp. 50 C Final Hold 4.56 min
Inj. Temp. 270 C Init.Hold 2.10 min Other Program or Special Conditions:
Carrier Gas: Helium Ramp 15 C/min
Flow/Pressure 3.45 psi Final Temp. 320 C

GC COLUMN:

Column ID#: MS10 # 267 (Circle one) Packed Capillary
Phases/Loadings: RTX MS #5 i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split Splitless pulsed

INSTRUMENT SEQUENCE:

Sample Name, Sample Number, Dilution, etc. Autosampler #

```
Sequence Name: D:\MSN1.I\SEQUENCE\N042607.S
      Comment:
     Operator: malloym
    Data Path: D:\MSN1.I\N042607.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run      On A Barcode Mismatch
 (X) Full Method              (X) Inject Anyway
 ( ) Reprocessing Only        ( ) Don't Inject

Line Type      Vial DataFile Method   Sample Name
-------------------------------------------------------------------------
  1 Sample      2 N042602A N031207M Ccalib_4;HSL_75;;2;4;3;;;; SM
  2 Sample      1 N042601  NDFTPP   DFTPP;DFTPP;;;SMTuneSTK_0001
  3 Sample      2 N042602  N031207M Ccalib_4;HSL_75;;2;4;3;;;; SM
  4 Sample      3 N042603  N031207M Ccalib_4;APPIX_75;;2;4;3;;;;
  5 Sample      4 N042604  N031207M Icalib_1;ODD_10;;1;1;3;;;; SM
  6 Sample      5 N042605  N031207M Icalib_2;ODD_20;;1;2;3;;;; SM
  7 Sample      6 N042606  N031207M Icalib_3;ODD_50;;1;3;3;;;; SM
  8 Sample      7 N042607  N031207M Icalib_4;ODD_75;;1;4;3;;;; SM
  9 Sample      8 N042608  N031207M Icalib_5;ODD_100;;1;5;3;;;; S
 10 Sample      9 N042609  N031207M SSV_3;ODD_050;;0;0;3;;;; SMHS
 11 Sample     10 N042610  N031207M JVFLD1AAB;I7D210000-144;1;0;;
 12 Sample     11 N042611  N031207M JVFLD1ACC;I7D210000-144;1;0;;
 13 Sample     12 N042612  N031207M JT5CX1AC;I7D180179-01;1;0;;2;
 14 Sample     13 N042613  N031207M JT5CX1AFS;I7D180179-01S;1;0;;
 15 Sample     14 N042614  N031207M JT5CX1AGD;I7D180179-01D;1;0;;
 16 Sample     15 N042615  N031207M JVFLD1ADL;I7D210000-144;1;0;;
 17 Sample     16 N042616  N031207M JTR4J1A1;I7D120264-05;1;0;;2;
 18 Sample     17 N042617  N031207M JT5DM1AC;I7D180179-02;1;0;;2;
 19 Sample     18 N042618  N031207M JT6RL1AC;I7D180327-21;1;0;;1;
 20 Sample     19 N042619  N031207M JT6RP1AC;I7D180327-23;1;0;;1; not used
 21 Sample     20 N042620  N031207M JT6R01AC;I7D180327-25;1;0;;1;
 22 Sample     21 N042621  N031207M JT6R81AC;I7D180327-27;1;0;;1;
 23 Sample     22 N042622  N031207M JT6TD1AC;I7D180327-29;1;0;;1;
 24 Sample     23 N042623  N031207M JT6TJ1AC;I7D180327-31;1;0;;1;
 25 Sample     24 N042624  N031207M JTR4J2A1;I7D120264-05;10;0;;2 not used
 26 Sample     25 N042625  N031207M JT6QM2AC;I7D180327-13;10;0;;1 used
```

m
m
4 #7-7

Sequence Name: D:\MSN1.I\SEQUENCE\N042607.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N042607.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name	
1	Sample	2	N042602A	N031207M	Ccalib_4;HSL_75;;2;4;3;;;; SM	
2	Sample	1	N042601	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001	
3	Sample	2	N042602	N031207M	Ccalib_4;HSL_75;;2;4;3;;;; SM	
4	Sample	3	N042603	N031207M	Ccalib_4;APPIX_75;;2;4;3;;;;	
5	Sample	4	N042604	N031207M	Icalib_1;ODD_10;;1;1;3;;;; SM	
6	Sample	5	N042605	N031207M	Icalib_2;ODD_20;;1;2;3;;;; SM	
7	Sample	6	N042606	N031207M	Icalib_3;ODD_50;;1;3;3;;;; SM	
8	Sample	7	N042607	N031207M	Icalib_4;ODD_75;;1;4;3;;;; SM	
9	Sample	8	N042608	N031207M	Icalib_5;ODD_100;;1;5;3;;;; S	
10	Sample	9	N042609	N031207M	SSV_3;ODD_050;;0;0;3;;;; SMHS	
11	Sample	10	N042610	N031207M	JVFLD1AAB;I7D210000-144;1;0;;	
12	Sample	11	N042611	N031207M	JVFLD1ACC;I7D210000-144;1;0;;	
13	Sample	12	N042612	N031207M	JT5CX1AC;I7D180179-01;1;0;;2;	PARENT
14	Sample	13	N042613	N031207M	JT5CX1AFS;I7D180179-01S;1;0;;	
15	Sample	14	N042614	N031207M	JT5CX1AGD;I7D180179-01D;1;0;;	
16	Sample	15	N042615	N031207M	JVFLD1ADL;I7D210000-144;1;0;;	
17	Sample	16	N042616	N031207M	JTR4J1A1;I7D120264-05;1;0;;2;	
18	Sample	17	N042617	N031207M	JT5DM1AC;I7D180179-02;1;0;;2;	
19	Sample	18	N042618	N031207M	JT6RL1AC;I7D180327-21;1;0;;1;	
20	~~Sample~~	~~19~~	~~N042619~~	~~N031207M~~	~~JT6RP1AC;I7D180327-23;1;0;;1;~~	not used
21	Sample	20	N042620	N031207M	JT6R01AC;I7D180327-25;1;0;;1;	
22	Sample	21	N042621	N031207M	JT6R81AC;I7D180327-27;1;0;;1;	
23	Sample	22	N042622	N031207M	JT6TD1AC;I7D180327-29;1;0;;1;	
24	Sample	23	N042623	N031207M	JT6TJ1AC;I7D180327-31;1;0;;1;	
25	Sample	~~24~~	~~N042624~~	N031207M	~~JTR4J2A1;I7D120264-05;10;0;;2~~	not
26	Sample	25	~~N042625~~	~~N031207M~~	~~JT6QM2AC;I7D180327-13;10;0;;1~~	used

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D Page 1
Report Date: 27-Apr-2007 07:45

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 26-APR-2007 09:20
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N042607.B\NDFTPP.m
Meth Date : 09-Jan-2007 11:13 malloym Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
8.255	8.311	-0.056	198	191722			0.00- 100.00	100.00
8.255	7.231	1.024	51	59549			30.00- 60.00	31.06
8.255	7.231	1.024	68	0	0.0	0.0	0.00- 2.00	0.00
8.255	7.231	1.024	69	59181			0.00- 0.00	30.87
8.255	7.231	1.024	70	326			0.00- 2.00	0.55
8.255	7.231	1.024	127	80480			40.00- 60.00	41.98
8.255	7.231	1.024	197	0	0.0	0.0	0.00- 1.00	0.00
8.255	7.231	1.024	199	12976			5.00- 9.00	6.77
8.255	7.231	1.024	275	45005			10.00- 30.00	23.47
8.255	7.231	1.024	365	4562			1.00- 0.00	2.38
8.255	7.231	1.024	441	20120			0.01- 99.99	73.30
8.255	7.231	1.024	442	139581			40.00- 0.00	72.80
8.255	7.231	1.024	443	27450			17.00- 23.00	19.67

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

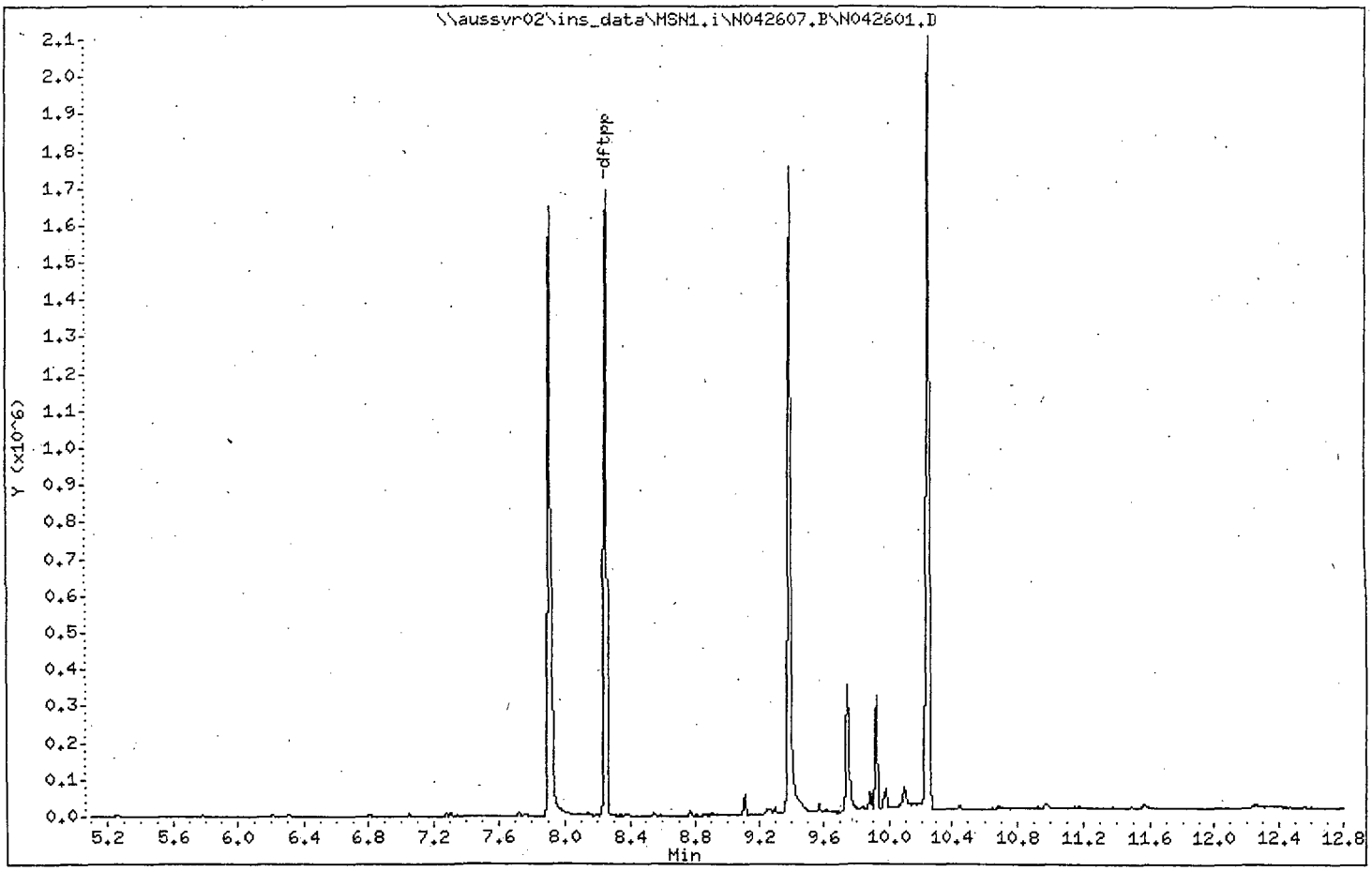
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

Instrument: MSN1.i

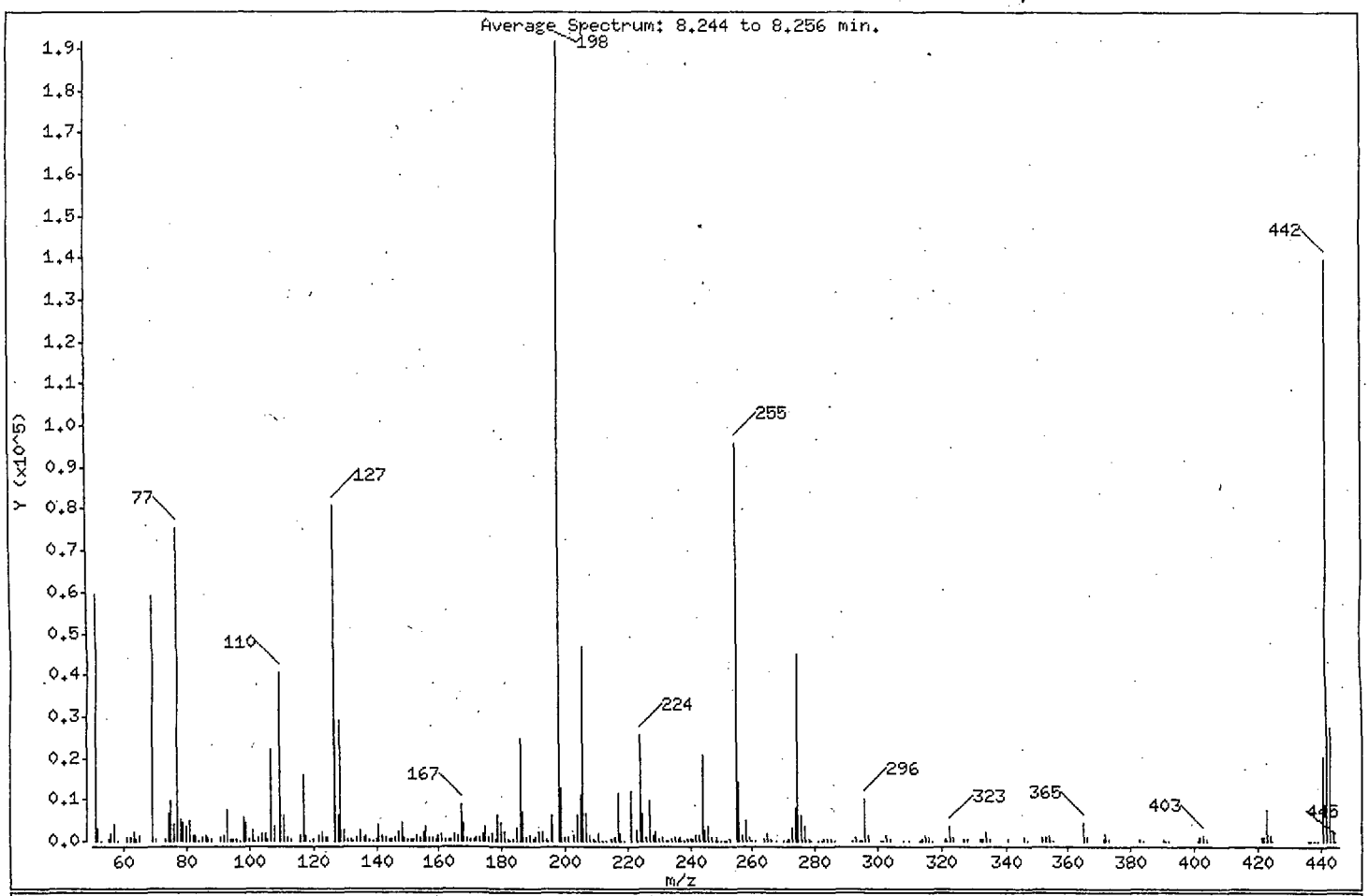
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	30.87
70	Less than 2.00% of mass 69	0.17 (0.55)
127	40.00 - 60.00% of mass 198	41.98
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	23.47
365	Greater than 1.00% of mass 198	2.38
441	Present, but less than mass 443	10.49
442	Greater than 40.00% of mass 198	72.80
443	17.00 - 23.00% of mass 442	14.32 (19.67)

MM 4-27-7

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N042601.D
Spectrum: Average Spectrum: 8.244 to 8.256 min.
Location of Maximum: 198.00
Number of points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
51.00	59544	135.00	2556	206.00	46536	284.00	280
52.00	3123	136.00	974	207.00	6425	285.00	601
53.00	116	137.00	1252	208.00	1531	286.00	53
55.00	352	138.00	328	209.00	550	292.00	120
56.00	1686	139.00	176	210.00	208	293.00	759
57.00	3976	140.00	394	211.00	1881	294.00	175
58.00	183	141.00	3805	212.00	122	295.00	71
61.00	736	142.00	1365	213.00	108	296.00	10086
62.00	862	143.00	933	215.00	509	297.00	1445
63.00	2391	144.00	277	216.00	1039	301.00	124
64.00	332	145.00	271	217.00	11478	302.00	169
65.00	1243	146.00	733	218.00	1579	303.00	1313
69.00	59176	147.00	2084	219.00	122	304.00	375
70.00	326	148.00	4506	221.00	11681	308.00	67
73.00	558	149.00	960	223.00	2697	310.00	115
74.00	6509	150.00	288	224.00	25448	313.00	51
75.00	9865	151.00	555	225.00	6543	314.00	542
76.00	3753	152.00	266	226.00	740	315.00	1163
77.00	75224	153.00	1266	227.00	9733	316.00	739
78.00	5209	154.00	1079	228.00	1458	317.00	121
79.00	4430	155.00	2209	229.00	2105	321.00	345
80.00	3371	156.00	3583	230.00	362	322.00	169
81.00	4940	157.00	725	231.00	954	323.00	3672
82.00	1290	158.00	798	232.00	143	324.00	721
83.00	1241	159.00	625	233.00	174	327.00	646
84.00	102	160.00	1269	234.00	608	328.00	383
85.00	1007	161.00	1936	235.00	728	332.00	268
86.00	1324	162.00	577	236.00	526	333.00	397
87.00	674	163.00	235	237.00	756	334.00	2380
88.00	260	164.00	260	238.00	57	335.00	618
91.00	1079	165.00	1686	239.00	399	341.00	412
92.00	1261	166.00	1274	240.00	301	346.00	784
93.00	7343	167.00	8856	241.00	570	347.00	108
94.00	562	168.00	4218	242.00	1344	352.00	1029
95.00	231	169.00	801	243.00	1453	353.00	807

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mal'loym

Column phase: Rtx-5 MS

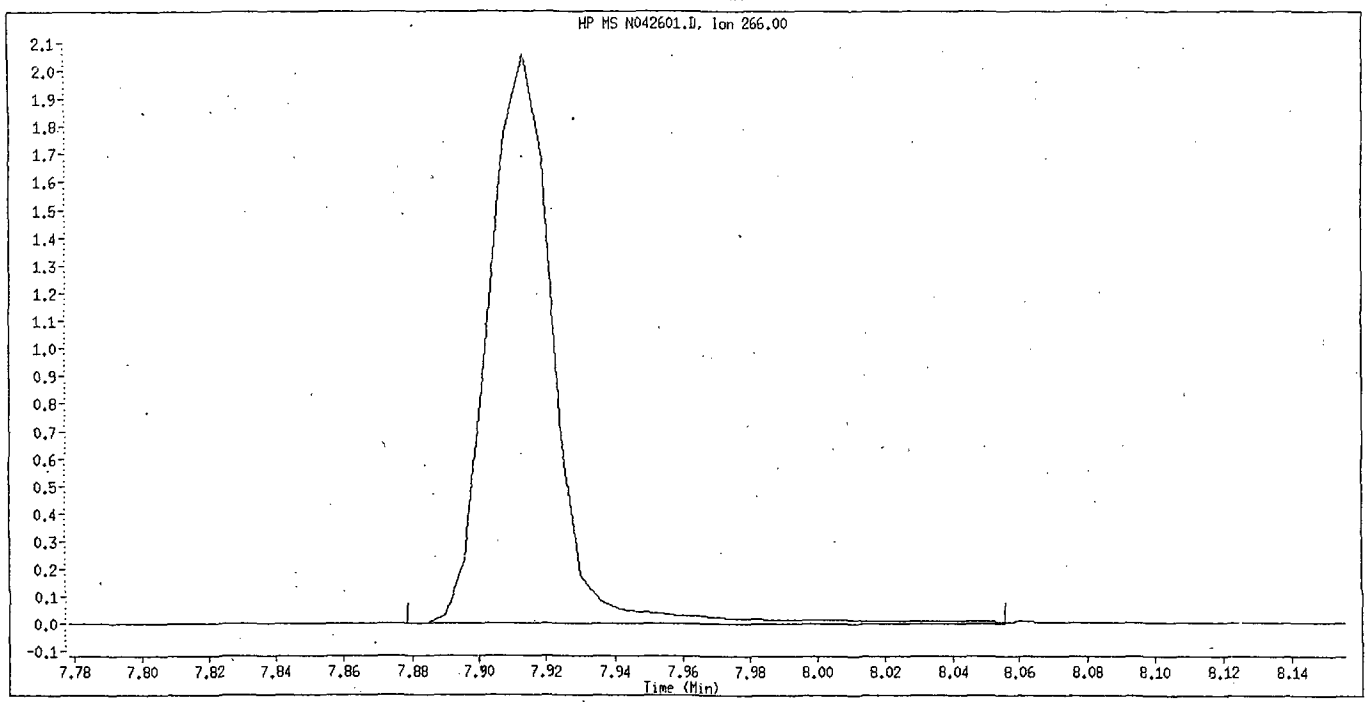
Column diameter: 0.25

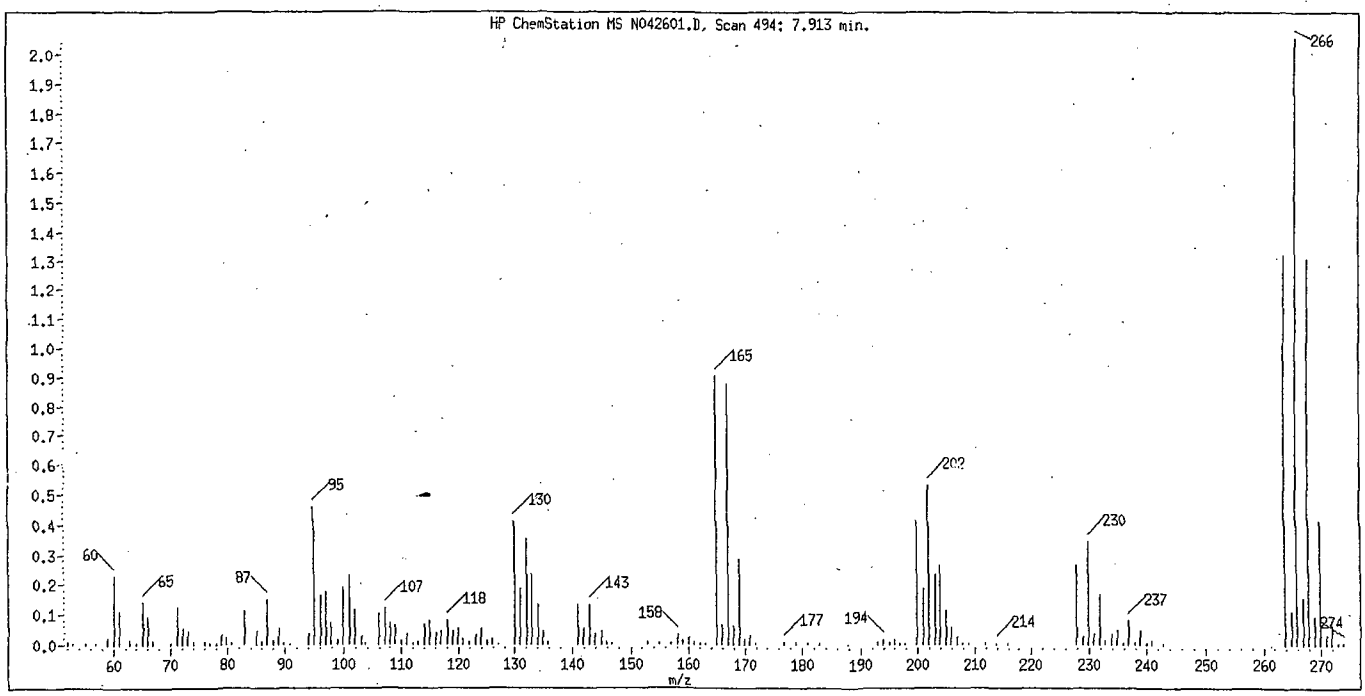
Data File: N042601.D
Spectrum: Average Spectrum: 8.244 to 8.256 min.
Location of Maximum: 198.00
Number of points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	440	170.00	298	244.00	20744	354.00	1179
97.00	156	171.00	371	245.00	2674	355.00	190
98.00	5718	172.00	717	246.00	3434	365.00	4562
99.00	4606	173.00	987	247.00	710	366.00	726
100.00	432	174.00	1890	248.00	204	371.00	271
101.00	2813	175.00	3373	249.00	718	372.00	1963
102.00	170	176.00	1093	250.00	136	373.00	559
103.00	937	177.00	1609	251.00	205	383.00	514
104.00	1762	178.00	605	252.00	154	384.00	111
105.00	1681	179.00	6023	253.00	525	390.00	234
106.00	374	180.00	4239	255.00	95816	391.00	175
107.00	21856	181.00	2058	256.00	14095	392.00	65
108.00	3557	182.00	355	257.00	1165	401.00	53
110.00	40320	183.00	151	258.00	4928	402.00	761
111.00	6035	184.00	532	259.00	792	403.00	1131
112.00	746	185.00	3078	260.00	126	404.00	400
113.00	256	186.00	24480	261.00	161	421.00	1040
116.00	1243	187.00	7214	264.00	277	422.00	890
117.00	15894	188.00	712	265.00	1958	423.00	7600
118.00	1209	189.00	1458	266.00	545	424.00	1527
119.00	192	190.00	281	268.00	220	425.00	148
120.00	311	191.00	790	270.00	172	436.00	58
122.00	1493	192.00	2006	271.00	135	437.00	62
123.00	2179	193.00	2300	272.00	337	438.00	72
124.00	1003	194.00	502	273.00	2933	439.00	55
125.00	1013	195.00	105	274.00	8127	441.00	20120
127.00	80480	196.00	6080	275.00	45000	442.00	139520
128.00	6131	198.00	191680	276.00	6153	443.00	27448
129.00	29152	199.00	12976	277.00	3324	444.00	2657
130.00	2493	200.00	993	278.00	591	445.00	147
131.00	531	201.00	989	279.00	101		
132.00	359	203.00	1181	281.00	111		
133.00	180	204.00	6370	282.00	51		
134.00	891	205.00	10810	283.00	440		

Data File: N042601.D
Inj Date: 26-APR-2007 09:20
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 04/26/2007

TAILING FACTOR

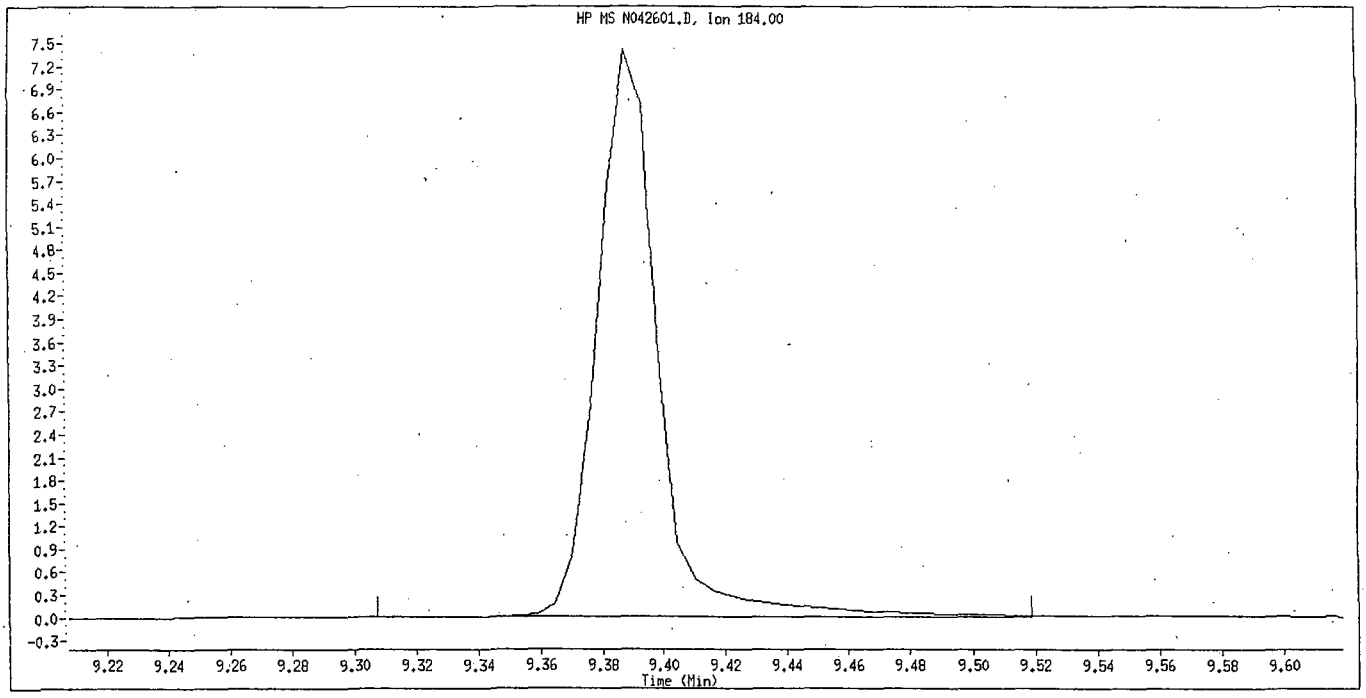


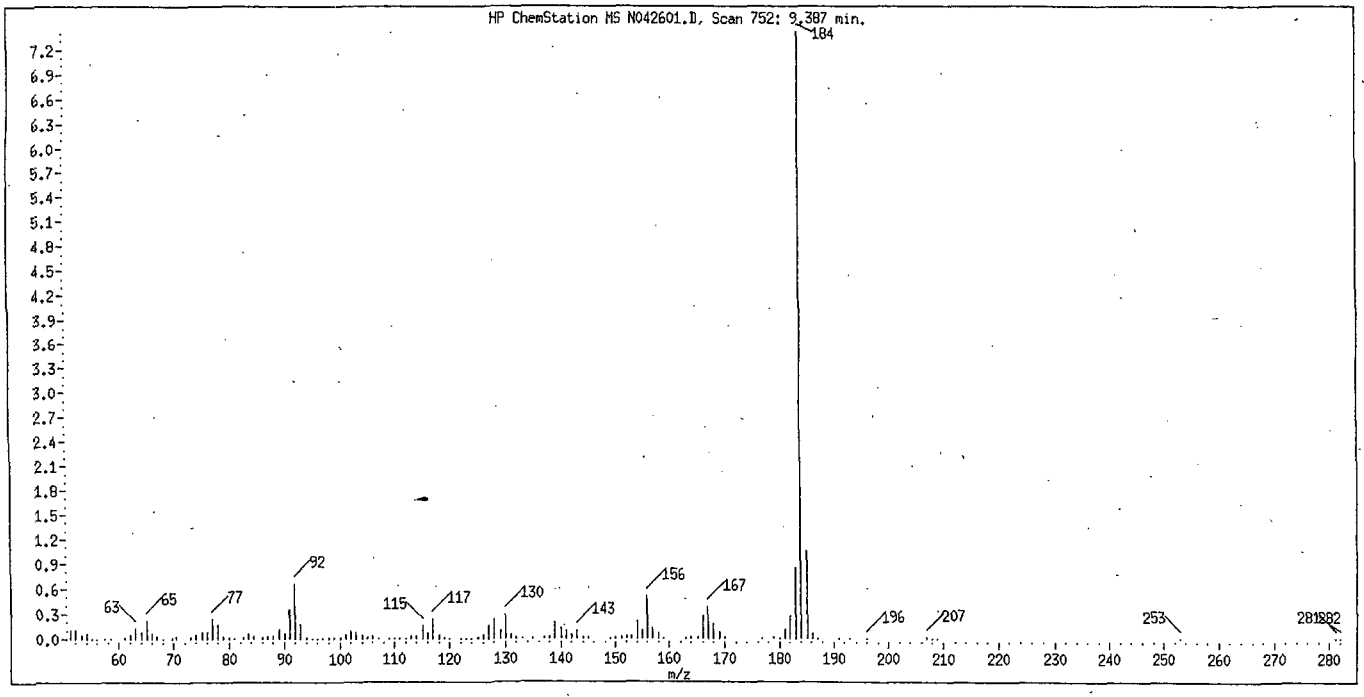


Tailing Factor = 0.944 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.895001 T2 = 7.91285 T3 = 7.929692

Data File: N042601.D
Inj Date: 26-APR-2007 09:20
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 04/26/2007

TAILING FACTOR

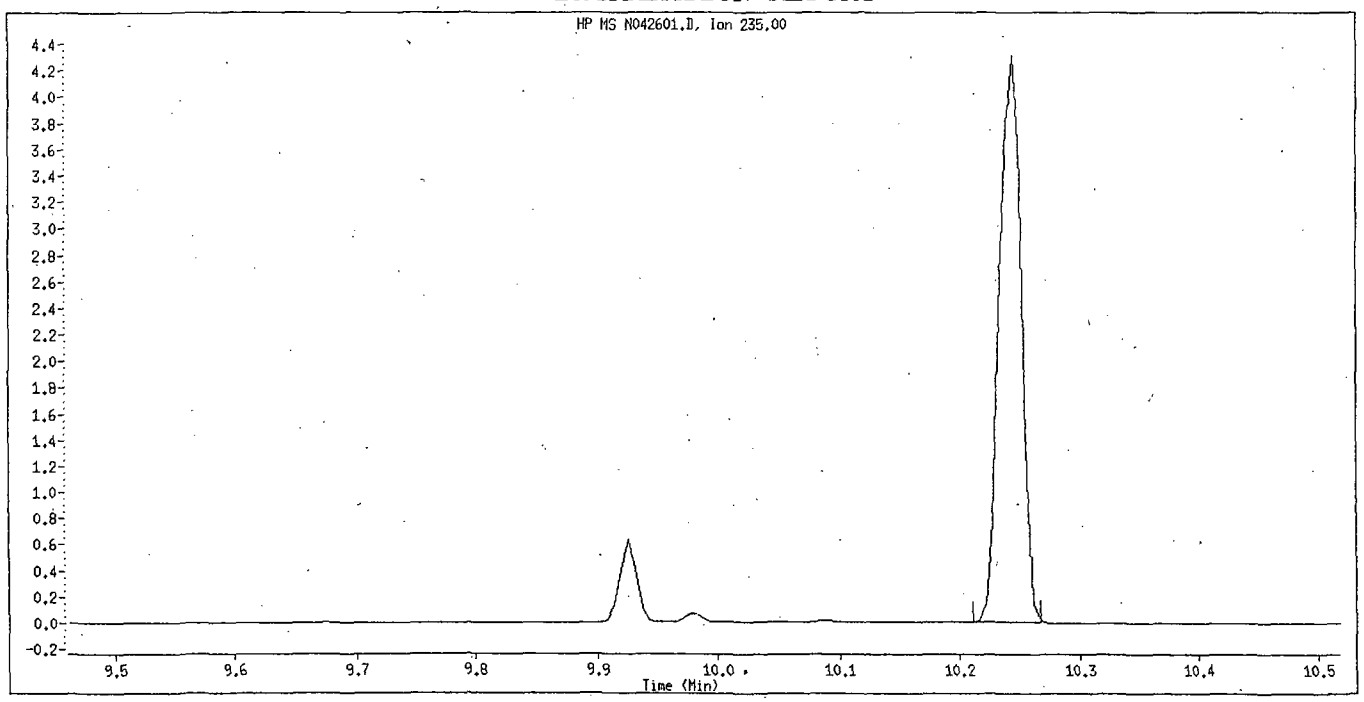




Tailing Factor = 1.11 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 9.369455 T2 = 9.38745 T3 = 9.40747

Data File: N042601.D
Inj Date: 26-APR-2007 09:20
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 04/26/2007

DEGRADATION REPORT



Degradation = 11% Good
Acceptance Criteria 0 - 20 %
DDT Area = 566358
DDE Area = 62148
DDD Area = 7803

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D Page 1
Report Date: 27-Apr-2007 07:45

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D
Lab Smp Id: Ccalib_4 Client Smp ID: HSL_75
Inj Date : 26-APR-2007 09:39
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;HSL_75;;2;4;3;;;; SMHSLCCV00012
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 26-Apr-2007 16:41 malloym Quant Type: ISTD
Cal Date : 28-MAR-2007 19:47 Cal File: N032808.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.533	7.529	(1.000)	124522	40.0000		REV
* 40 Naphthalene-d8	136	9.476	9.471	(1.000)	466599	40.0000		REV
* 64 Acenaphthene-d10	164	12.281	12.272	(1.000)	255079	40.0000		REV
* 93 Phenanthrene-d10	188	14.644	14.640	(1.000)	482187	40.0000		REV
* 114 Chrysene-d12	240	18.923	18.908	(1.000)	391712	40.0000		REV
* 122 Perylene-d12	264	21.157	21.147	(1.000)	368406	40.0000		REV
$ 6 2-Fluorophenol	112	5.780	5.798	(0.767)	649630	150.000	138.92	REV
$ 12 Phenol-d5	99	7.053	7.072	(0.936)	683646	150.000	127.58	REV
$ 82 2,4,6-Tribromophenol	330	13.565	13.595	(0.926)	131162	150.000	137.48	REV
$ 29 Nitrobenzene-d5	82	8.413	8.437	(0.888)	309582	75.0000	67.603	REV
$ 54 2-Fluorobiphenyl	172	11.181	11.210	(0.910)	551113	75.0000	69.371	REV
$ 105 Terphenyl-d14	244	17.191	17.221	(0.908)	567490	75.0000	71.162	REV
1 Pyridine	79	3.999	4.002	(0.531)	394568	75.0000	66.488	REV
2 N-Nitrosodimethylamine	74	4.010	4.013	(0.532)	218684	75.0000	66.010	REV
3 2-Picoline	93	4.997	5.005	(0.663)	429181	75.0000	69.428	REV
4 N-Nitrosomethylethylamine	88	5.186	5.189	(0.688)	191109	75.0000	69.021	REV
5 Methyl methanesulfonate	80	5.607	5.620	(0.744)	180358	75.0000	65.430	REV
7 N-Nitrosodiethylamine	102	6.120	6.138	(0.812)	174584	75.0000	69.454	REV
8 Ethyl methanesulfonate	79	6.530	6.543	(0.867)	244814	75.0000	66.081	REV
9 Pentachloroethane	117	7.123	7.147	(0.946)	100244	75.0000	66.043	REV
10 Aniline	93	7.123	7.147	(0.946)	466469	75.0000	64.264	REV
11 bis(2-Chloroethyl)ether	93	7.182	7.201	(0.953)	335587	75.0000	65.902	REV
13 Phenol	94	7.075	7.088	(0.939)	371029	75.0000	63.503	REV
14 2-Chlorophenol	128	7.285	7.309	(0.967)	331328	75.0000	70.432	REV
15 1,3-Dichlorobenzene	146	7.485	7.509	(0.994)	369834	75.0000	70.627	REV
16 1,4-Dichlorobenzene	146	7.560	7.584	(1.004)	356548	75.0000	69.663	REV
18 1,2-Dichlorobenzene	146	7.841	7.865	(1.041)	344640	75.0000	70.419	REV
19 Benzyl Alcohol	108	7.760	7.784	(1.030)	211538	75.0000	68.632	REV
20 bis(2-Chloroisopropyl)ether	45	7.965	7.989	(1.057)	442088	75.0000	63.611	REV
21 2-Methylphenol	108	7.932	7.957	(1.053)	293816	75.0000	68.079	REV
22 Acetophenone	105	8.170	8.194	(1.085)	333490	75.0000	56.588	REV
23 N-Nitroso-di-n-propylamine	70	8.202	8.221	(1.089)	206518	75.0000	61.217	REV
24 N-Nitrosopyrrolidine	100	8.191	8.216	(1.087)	142081	75.0000	63.891	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D Page 2
Report Date: 27-Apr-2007 07:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.159	8.183	(1.083)	471038	150.000	117.12	REV
27 o-Toluidine	106	8.240	8.264	(1.094)	462711	75.0000	67.656	REV
28 Hexachloroethane	117	8.294	8.318	(1.101)	122707	75.0000	67.431	REV
30 Nitrobenzene	77	8.440	8.464	(0.891)	324148	75.0000	65.755	REV
31 N-Nitrosopiperidine	114	8.672	8.696	(0.915)	154824	75.0000	71.810	REV
32 Isophorone	82	8.774	8.798	(0.926)	566546	75.0000	66.222	REV
33 2-Nitrophenol	139	8.920	8.944	(0.941)	172569	75.0000	81.694	REV
34 2,4-Dimethyphenol	107	8.947	8.971	(0.944)	287379	75.0000	69.443	REV
35 Bis(2-chloroethoxy)methane	93	9.087	9.117	(0.959)	320132	75.0000	67.018	REV
36 2,4-Dichlorophenol	162	9.276	9.300	(0.979)	249079	75.0000	76.534	REV
38 1,2,4-Trichlorobenzene	180	9.405	9.430	(0.993)	268989	75.0000	74.000	REV
39 Benzoic Acid	122	9.146	9.165	(0.965)	90689	75.0000	54.175	REV
41 Naphthalene	128	9.508	9.537	(1.003)	789558	75.0000	67.915	REV
42 4-Chloroaniline	127	9.616	9.645	(1.015)	322699	75.0000	69.071	REV
43 2,6-Dichlorophenol	162	9.632	9.656	(1.017)	230579	75.0000	72.511	REV
44 Hexachloropropene	213	9.686	9.710	(1.022)	167008	75.0000	76.719	REV
45 Hexachlorobutadiene	225	9.762	9.791	(1.030)	146843	75.0000	73.489	REV
46 N-Nitroso-di-n-butylamine	84	10.139	10.163	(1.070)	175641	75.0000	66.107	REV
47 4-Chloro-3-Methylphenol	107	10.360	10.385	(1.093)	239058	75.0000	68.150	REV
48 Safrole	162	10.436	10.466	(1.101)	221729	75.0000	74.343	REV
49 2-Methylnaphthalene	142	10.582	10.611	(1.117)	534700	75.0000	70.118	REV
50 Hexachlorocyclopentadiene	237	10.927	10.956	(0.890)	101781	75.0000	58.628	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.911	10.940	(0.888)	236393	75.0000	71.004	REV
52 2,4,6-Trichlorophenol	196	11.073	11.097	(0.902)	164866	75.0000	73.102	REV
53 2,4,5-Trichlorphenol	196	11.137	11.167	(0.907)	179526	75.0000	72.669	REV
55 2-Chloronaphthalene	127	11.359	11.388	(0.925)	175043	75.0000	64.401	REV
56 Isosafrole	162	11.251	11.280	(0.916)	220701	75.0000	69.733	REV
57 2-Nitroaniline	65	11.585	11.609	(0.943)	159535	75.0000	66.082	REV
58 1,4-Naphthoquinone	158	11.661	11.685	(0.949)	210208	75.0000	71.481	REV
59 Dimethylphthalate	163	11.893	11.917	(0.968)	576395	75.0000	71.122	REV
60 2,6-Dinitrotoluene	165	12.017	12.046	(0.978)	142936	75.0000	72.107	REV
61 1,3-Dinitrobenzene	168	11.952	11.976	(0.973)	114839	75.0000	81.994	REV
62 Acenaphthylene	152	12.038	12.068	(0.980)	777169	75.0000	66.482	REV
63 3-Nitroaniline	138	12.254	12.278	(0.998)	163633	75.0000	74.064	REV
65 Acenaphthene	153	12.335	12.365	(1.004)	450924	75.0000	66.886	REV
66 2,4-Dinitrophenol	184	12.411	12.440	(1.011)	66825	75.0000	67.511	REV
67 Dibenzofuran	168	12.583	12.607	(1.025)	678209	75.0000	69.442	REV
68 4-Nitrophenol	109	12.524	12.548	(1.020)	74902	75.0000	68.202	REV
69 Pentachlorobenzene	250	12.621	12.651	(1.028)	194475	75.0000	73.733	REV
70 2,4-Dinitrotoluene	165	12.653	12.678	(1.030)	199374	75.0000	78.810	REV
72 2,3,4,6-tetrachlorophenol	232	12.853	12.883	(1.047)	131288	75.0000	72.652	REV
74 Diethylphthalate	149	13.010	13.034	(1.059)	564724	75.0000	70.283	REV
75 4-Chlorophenyl-phenylether	204	13.112	13.142	(1.068)	268287	75.0000	71.101	REV
76 Fluorene	166	13.139	13.163	(1.070)	541673	75.0000	68.030	REV
77 5-Nitro-o-toluidine	152	13.220	13.250	(1.076)	187768	75.0000	75.667	REV
78 4,6-Dinitro-2-methylphenol	198	13.306	13.330	(0.909)	100383	75.0000	72.917	REV
79 4-Nitroaniline	138	13.258	13.282	(1.080)	156191	75.0000	70.008	REV
80 N-Nitrosodiphenylamine/DPA	169	13.328	13.352	(1.085)	477758	75.0000	69.531	REV
81 Azobenzene	77	13.366	13.395	(0.913)	536094	75.0000	60.627	REV
83 Diallate #1	234	13.813	13.843	(0.943)	96538	75.0000		REV
84 4-Bromophenyl-phenylether	248	13.894	13.924	(0.949)	142691	75.0000	65.176	REV
85 Phenacetin	108	13.884	13.908	(0.948)	245382	75.0000	57.775	REV
86 Diallate #2	234	13.948	13.978	(0.952)	23440	75.0000		REV
87 Hexachlorobenzene	284	14.153	14.178	(0.966)	158270	75.0000	70.190	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D Page 3
Report Date: 27-Apr-2007 07:45

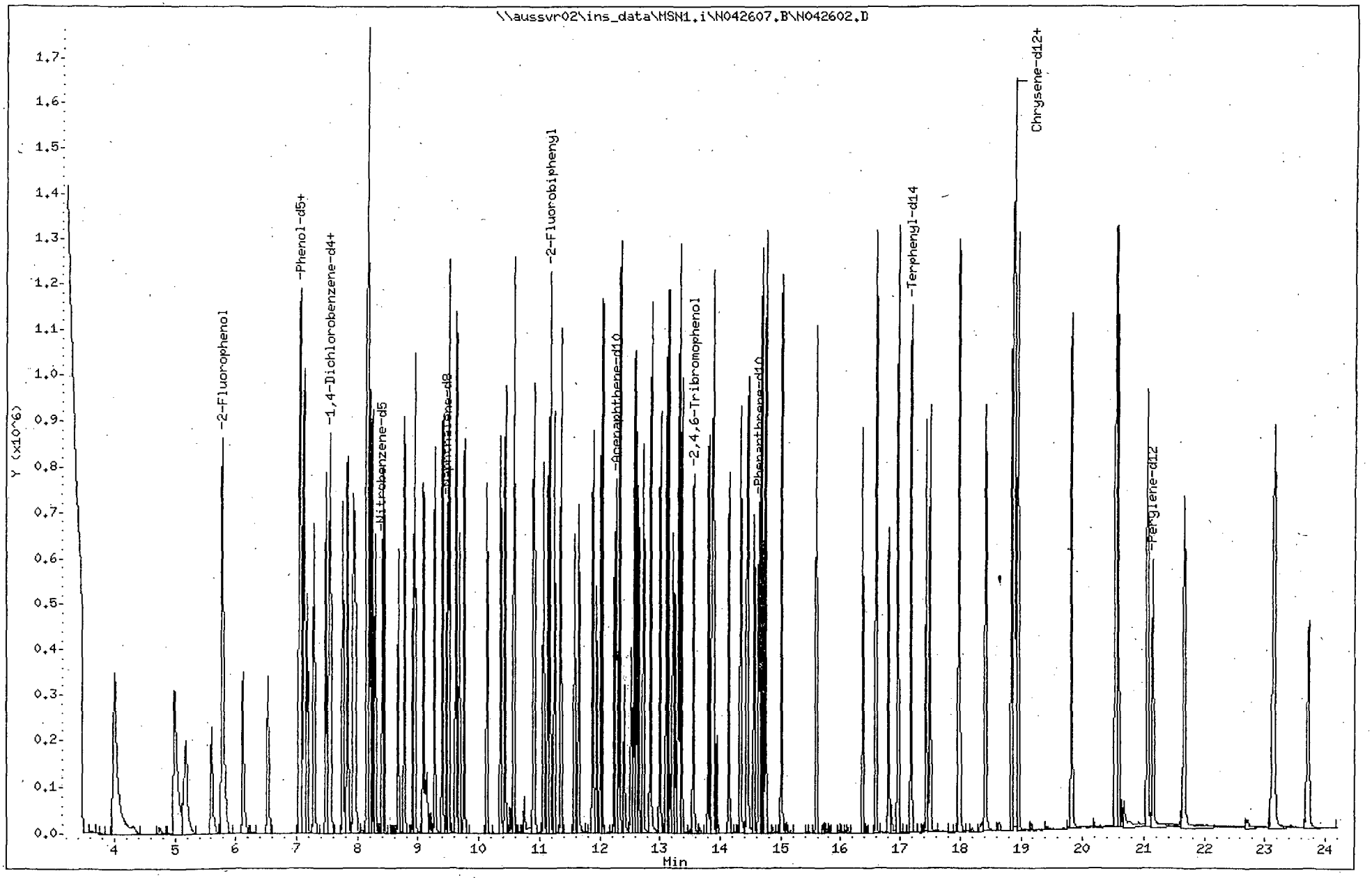
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.862	13.881	(0.947)	138099	75.0000	68.327	REV
90 Pentachlorophenol	266	14.445	14.469	(0.986)	104373	75.0000	73.648	REV
91 Pronamide	173	14.461	14.491	(0.987)	236809	75.0000	65.334	REV
92 Pentachloronitrobenzene	295	14.569	14.593	(0.995)	30785	75.0000	75.494	REV
94 Phenanthrene	178	14.682	14.712	(1.003)	795919	75.0000	67.275	REV
95 Anthracene	178	14.758	14.787	(1.008)	818733	75.0000	66.718	REV
96 Dinoseb	211	14.709	14.739	(1.004)	139857	75.0000	78.308	REV
97 Carbazole	167	15.022	15.046	(1.026)	783034	75.0000	64.852	REV
98 Di-n-Butylphthalate	149	15.589	15.613	(1.064)	896296	75.0000	63.761	REV
101 Isodrin	193	16.376	16.406	(1.118)	91931	75.0000	66.532	REV
102 Fluoranthene	202	16.603	16.633	(1.134)	878145	75.0000	65.904	REV
103 Benzidine	184	16.808	16.838	(0.888)	420443	75.0000	71.680	REV
104 Pyrene	202	16.970	16.999	(0.897)	904192	75.0000	71.689	REV
106 4-Dimethylaminoazobenzene	120	17.445	17.474	(0.922)	234477	75.0000	65.258	REV
107 Chlorobenzilate	251	17.509	17.539	(0.925)	251139	75.0000	75.056	REV
109 3,3'-Dimethylbenzidine	212	17.984	18.014	(0.950)	455739	75.0000	64.646	REV
110 Butylbenzylphthalate	149	18.000	18.030	(0.951)	367531	75.0000	67.605	REV
111 2-Acetylaminofluorene	181	18.437	18.467	(0.974)	376873	75.0000	73.172	REV
112 3,3'-Dichlorobenzidine	252	18.864	18.893	(0.997)	304173	75.0000	70.672	REV
113 Benzo(a)anthracene	228	18.891	18.920	(0.998)	744064	75.0000	66.929	REV
115 bis(2-Ethylhexyl)phthalate	149	18.901	18.931	(0.999)	439534	75.0000	61.504	REV
116 Chrysene	228	18.966	18.996	(1.002)	763991	75.0000	71.789	REV
117 Di-n-octylphthalate	149	19.829	19.859	(0.937)	900296	75.0000	69.002	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.569	20.604	(0.972)	308159	75.0000	63.035	REV
119 Benzo(b)fluoranthene	252	20.552	20.587	(0.971)	790690	75.0000	63.790	REV
120 Benzo(k)fluoranthene	252	20.596	20.631	(0.973)	775640	75.0000	64.906	REV
121 Benzo(a)pyrene	252	21.070	21.111	(0.996)	738442	75.0000	68.741	REV
123 3-MethylCholanthrene	268	21.680	21.720	(1.025)	388719	75.0000	66.956	REV
125 Indeno(1,2,3-cd)pyrene	276	23.153	23.215	(1.094)	632032	75.0000	58.493	REV
126 Dibenz(a,h)anthracene	278	23.153	23.215	(1.094)	529461	75.0000	57.865	REV
127 Benzo(g,h,i)perylene	276	23.725	23.787	(1.121)	534888	75.0000	61.435	REV
M 176 Diallate (total)	234				119978	75.0000	73.748	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042602.D
Date : 26-APR-2007 09:39
Client ID: HSL_75
Sample Info: Ccalib_4;HSL_75;;2;4;3;;;; SMHSLCCV00012

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042603.D Page 1
Report Date: 27-Apr-2007 07:58

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042603.D
Lab Smp Id: Ccalib_4 Client Smp ID: APPIX_75
Inj Date : 26-APR-2007 10:16
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;APPIX_75;;2;4;3;;;; SMHSLCCV00007
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 07:58 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.530	7.530	(1.000)	128249	40.0000		REV
* 40 Naphthalene-d8	136	9.473	9.473	(1.000)	457524	40.0000		REV
* 64 Acenaphthene-d10	164	12.278	12.278	(1.000)	273800	40.0000		REV
* 93 Phenanthrene-d10	188	14.642	14.642	(1.000)	458085	40.0000		REV
* 114 Chrysene-d12	240	18.909	18.909	(1.000)	414264	40.0000		REV
* 122 Perylene-d12	264	21.149	21.149	(1.000)	352204	40.0000		REV
26 N-Nitrosomorpholine	56	8.199	8.199	(1.089)	168393	75.0000	62.284	REV
37 a,a-Dimethylphenethylamine	58	9.203	9.203	(0.972)	722529	75.0000	67.773	REV
71 1-Naphthylamine	143	12.732	12.732	(1.037)	520730	75.0000	66.235	REV
73 2-Naphthylamine	143	12.840	12.840	(1.046)	487898	75.0000	61.051	REV
89 4-Aminobiphenyl	169	14.339	14.339	(0.979)	605333	75.0000	65.919	REV
99 4-Nitroquinoline-1-oxide	190	15.974	15.974	(1.091)	20691	75.0000	37.096	REV
100 Methapyrilene	58	16.082	16.082	(1.098)	199446	75.0000	49.414	REV
128 1,4-Dioxane	88	3.468	3.468	(0.461)	112068	75.0000	49.336	REV
129 2-Ethoxyethanol	59	3.511	3.511	(0.466)	151311	75.0000	48.206	REV
130 N,N-Dimethylformamide	73	4.547	4.547	(0.604)	264640	75.0000	66.458	REV
131 Propyl cellosolve	43	4.827	4.827	(0.641)	379835	75.0000	64.311	REV
132 Acrylamide	55	5.615	5.615	(0.746)	96221	75.0000	61.782	REV
136 o,o,o-Triethylphosphorothioat	198	9.090	9.090	(0.960)	138799	75.0000	74.784	REV
137 o-Nitrotoluene	120	9.214	9.214	(0.973)	154690	75.0000	69.554	REV
138 m-Nitrotoluene	137	9.602	9.602	(1.014)	158795	75.0000	74.132	REV
139 p-Nitrotoluene	137	9.780	9.780	(1.032)	151685	75.0000	74.075	REV
142 p-Phenylenediamine	108	10.163	10.163	(1.073)	269365	75.0000	65.634	REV
143 1-Methylnaphthalene	142	10.757	10.757	(1.136)	457252	75.0000	69.622	REV
146 Biphenyl	154	11.323	11.323	(0.922)	553152	75.0000	59.498	REV
147 2.4-Toluene diamine	121	11.334	11.334	(0.923)	120332	75.0000	39.450	REV
148 2,6-Toluene diamine	122	11.372	11.372	(0.926)	148640	75.0000	43.096	REV
149 Diphenyl ether	170	11.496	11.496	(0.936)	315411	75.0000	63.712	REV
150 1,4-Dinitrobenzene	168	11.755	11.755	(0.957)	90445	75.0000	83.777	REV
151 Dimethyl terephthalate	194	12.262	12.262	(0.999)	97702	75.0000	68.699	REV
152 2,3-Dinitrotoluene	135	12.640	12.640	(1.029)	98281	75.0000	73.729	REV
153 2,3,5,6-Tetrachlorophenol	232	12.780	12.780	(1.041)	131968	75.0000	79.533	REV
154 Thionazin	97	13.142	13.142	(1.070)	108863	75.0000	63.192	REV

MM 4-27-7

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042603.D Page 2
Report Date: 27-Apr-2007 07:58

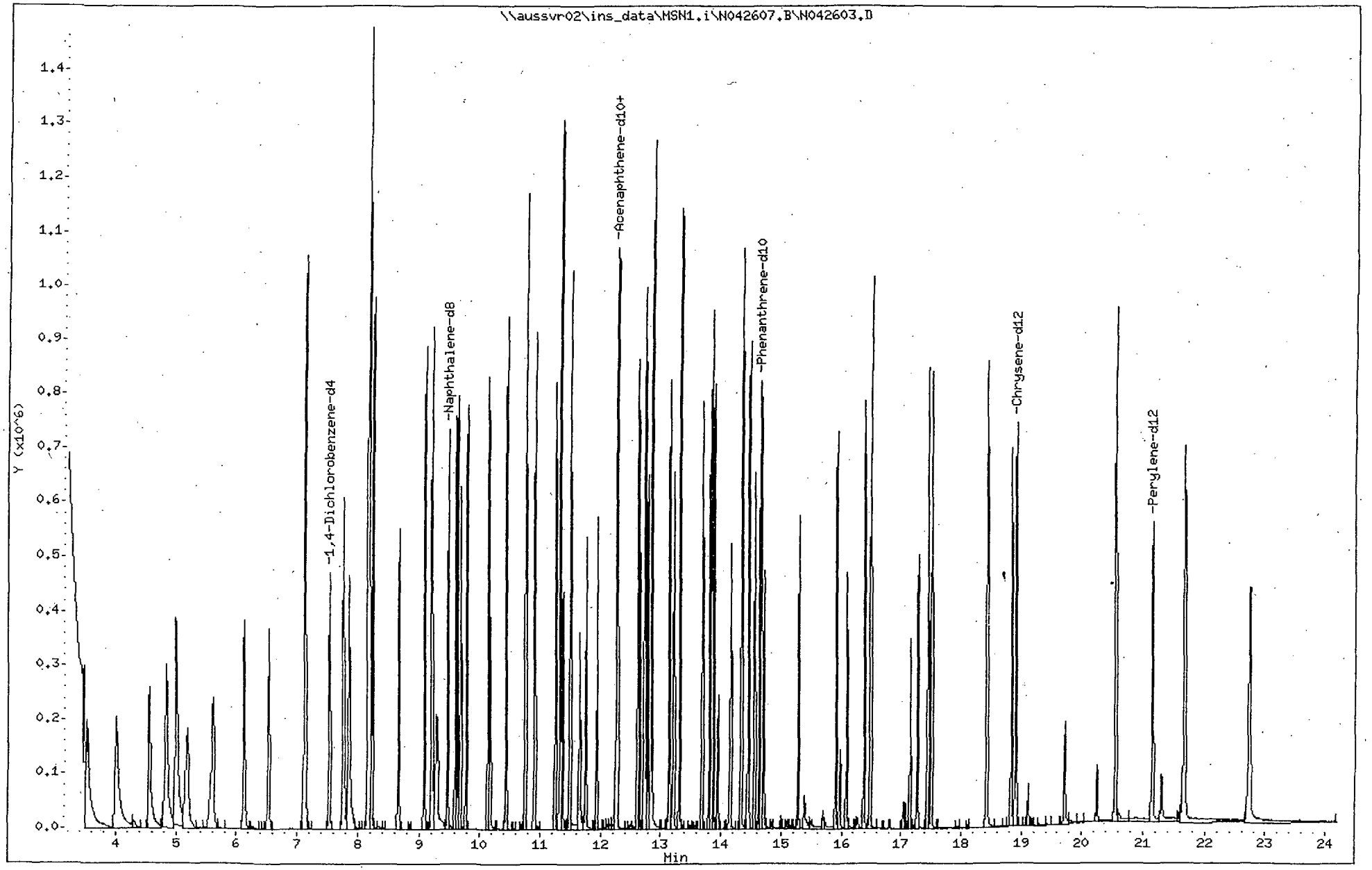
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.687	13.687	(0.935)	72298	75.0000	59.442	REV
156 Phorate	75	13.838	13.838	(0.945)	366706	75.0000	65.458	REV
157 Dimethoate	87	14.156	14.156	(0.967)	152420	75.0000	56.261	REV
158 Disulfoton	88	14.663	14.663	(1.001)	258140	75.0000	60.182	REV
159 Methyl parathion	109	15.289	15.289	(1.044)	132372	75.0000	63.040	REV
160 Parathion	109	15.910	15.910	(1.087)	96902	75.0000	64.707	REV
161 Aramite #1	185	17.151	17.151	(0.907)	41883	75.0000		REV
162 Aramite #2	185	17.275	17.275	(0.914)	71139	75.0000		REV
163 Famphur	218	17.949	17.949	(0.949)	1961	75.0000	38.063	REV
164 4,4-Methylenebis(2-chloroa	266	18.839	18.839	(0.996)	73873	75.0000	70.212	REV
167 Dibenz(a,j)acridine	279	22.735	22.735	(1.075)	452949	75.0000	61.373	REV
173 1-Methyl-2-pyrrolidone	99	7.849	7.849	(1.042)	201324	75.0000	69.568	REV
M 177 Aramite (total)	185				113022	75.0000	73.329	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042603.D
Date : 26-APR-2007 10:16
Client ID: APPIX_75
Sample Info: Ccalib_4;APPIX_75;;2;4;3;;;; SMHSLCCV00007

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042610.D Page 1
Report Date: 27-Apr-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042610.D
Lab Smp Id: JVFLD1AAB Client Smp ID: I7D210000-144
Inj Date : 26-APR-2007 13:48
Operator : malloym Inst ID: MSN1.i
Smp Info : JVFLD1AAB;I7D210000-144;1;0;;2;;30.0;1000
Misc Info : ;2-HSLB.sub; IS STD SMINTSTDW00002; 7111144
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 09:13 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLB.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.531	7.529	(1.000)	116020	40.0000		REV
* 40 Naphthalene-d8	136	9.468	9.471	(1.000)	420960	40.0000		REV
* 64 Acenaphthene-d10	164	12.274	12.272	(1.000)	220547	40.0000		REV
* 93 Phenanthrene-d10	188	14.632	14.640	(1.000)	384511	40.0000		REV
* 114 Chrysene-d12	240	18.905	18.908	(1.000)	379329	40.0000		REV
* 122 Perylene-d12	264	21.149	21.147	(1.000)	309997	40.0000		REV
$ 6 2-Fluorophenol	112	5.815	5.798	(0.772)	462911	106.245	3541.5	REV
$ 12 Phenol-d5	99	7.056	7.072	(0.937)	541287	108.417	3613.9	REV
$ 82 2,4,6-Tribromophenol	330	13.553	13.595	(0.926)	92263	121.276	4042.5	REV
$ 29 Nitrobenzene-d5	82	8.405	8.437	(0.888)	304277	73.6483	2454.9	REV
$ 54 2-Fluorobiphenyl	172	11.179	11.210	(0.911)	546091	79.5022	2650.1	REV
$ 105 Terphenyl-d14	244	17.195	17.221	(0.910)	638057	82.6231	2754.1	REV
146 Biphenyl	154	11.319	11.323	(0.922)	1072	0.14315	4.7716(a)	REV

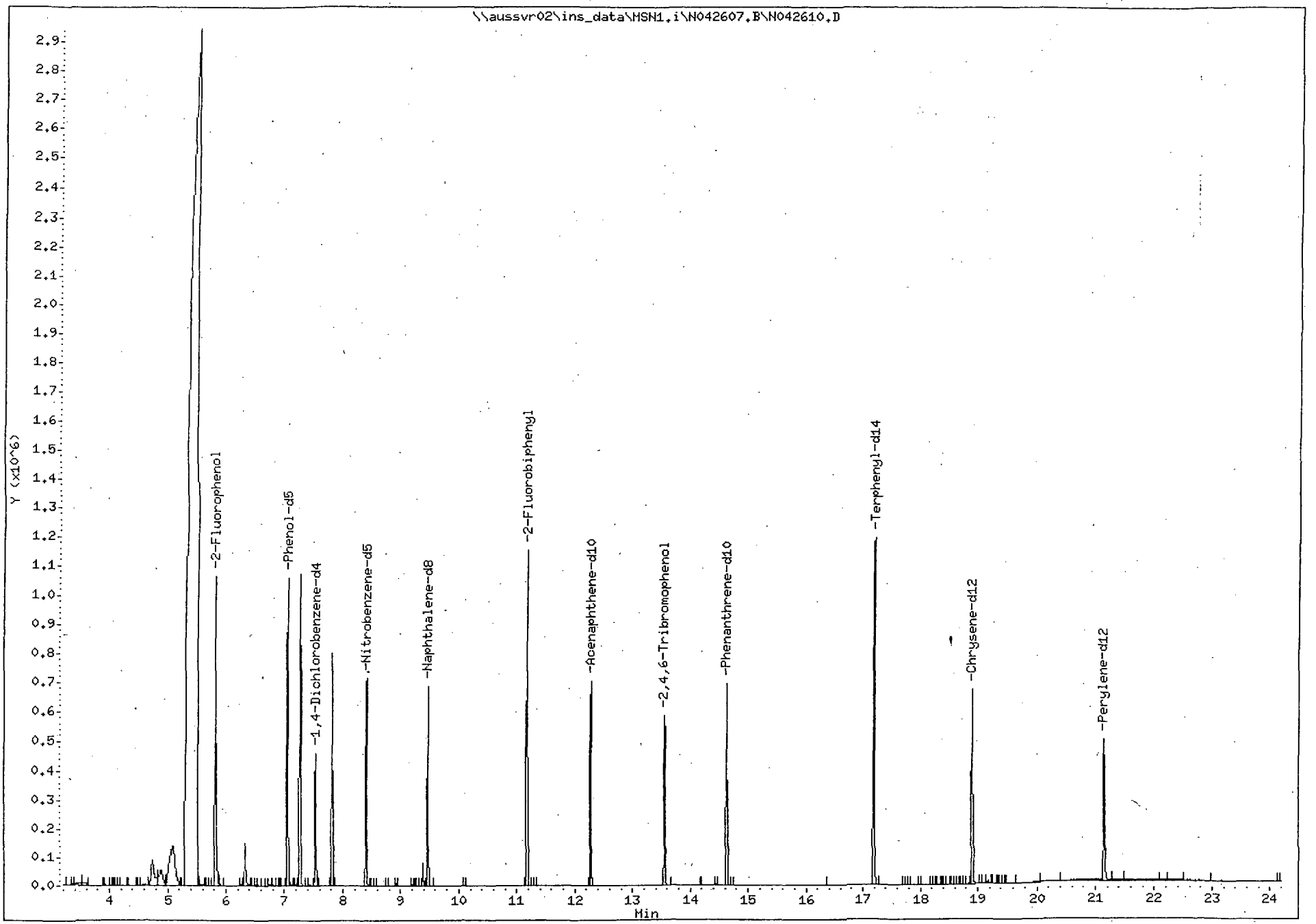
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

171

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042610.D
Date : 26-APR-2007 13:48

Sample Info: JVFLD1AAB;I7D210000-144;1;0;;2;;30.0;1000



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042610.D

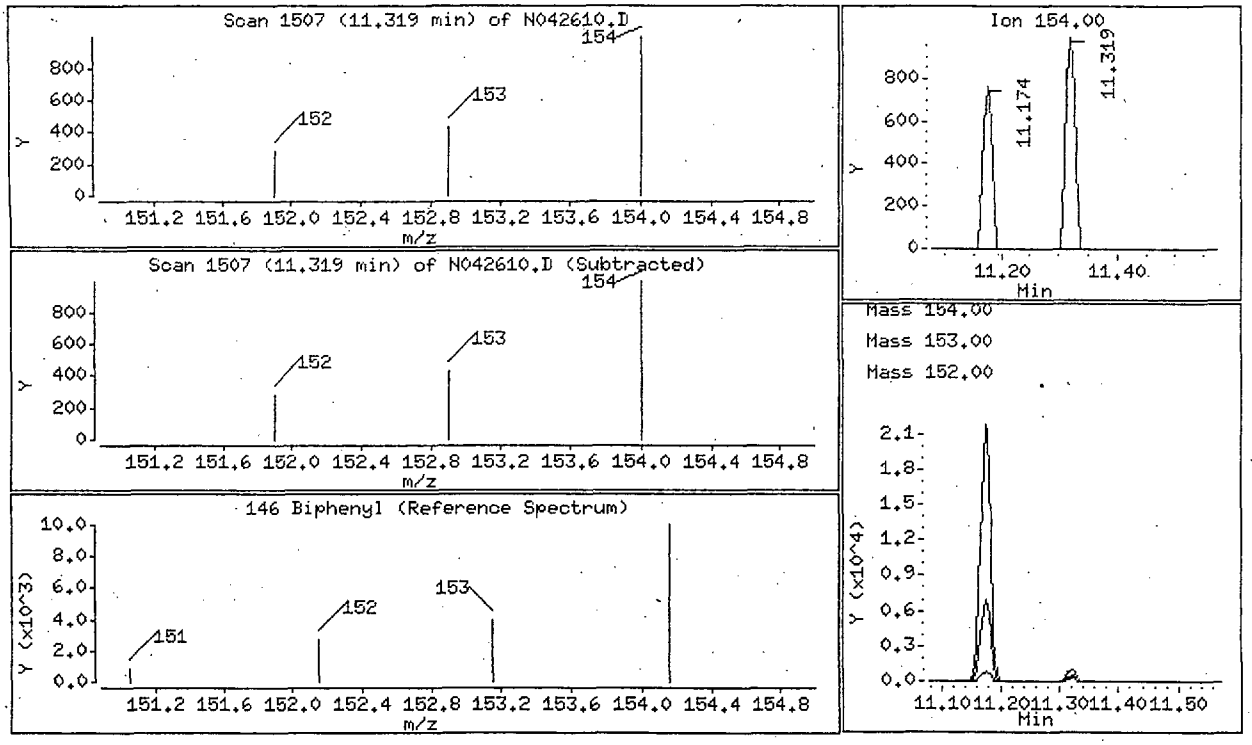
Page 3

Date : 26-APR-2007 13:48

Sample Info: JVFLD1AAB;I7D210000-144;1;0;;2;;30.0;1000

146 Biphenyl

Concentration: 4.7716 ug/Kg



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042611.D Page 1
Report Date: 29-Apr-2007 09:33

STL Austin

Method 8270C Semivolatiles

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Inj Date : 26-APR-2007 14:19
Operator : malloym Inst ID: MSN1.i
Smp Info : JVFLD1ACC;I7D210000-144;1;0;;2;;30.0;1000
Misc Info : ;2-HSLB.sub; IS STD SMINTSTDW00002; 7111144
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 09:13 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLB.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.537	7.529	(1.000)	114312	40.0000		REV
* 40 Naphthalene-d8	136	9.479	9.471	(1.000)	426151	40.0000		REV
* 64 Acenaphthene-d10	164	12.279	12.272	(1.000)	228572	40.0000		REV
* 93 Phenanthrene-d10	188	14.637	14.640	(1.000)	428440	40.0000		REV
* 114 Chrysene-d12	240	18.921	18.908	(1.000)	354220	40.0000		REV
* 122 Perylene-d12	264	21.155	21.147	(1.000)	329969	40.0000		REV
$ 6 2-Fluorophenol	112	5.816	5.798	(0.772)	449999	104.824	3494.1	REV
$ 12 Phenol-d5	99	7.062	7.072	(0.937)	524422	106.608	3553.6	REV
$ 82 2,4,6-Tribromophenol	330	13.564	13.595	(0.927)	108048	127.462	4248.7	REV
$ 29 Nitrobenzene-d5	82	8.411	8.437	(0.887)	302372	72.2957	2409.8	REV
$ 54 2-Fluorobiphenyl	172	11.184	11.210	(0.911)	555473	78.0288	2601.0	REV
$ 105 Terphenyl-d14	244	17.195	17.221	(0.909)	640075	88.7597	2958.6	REV
1 Pyridine	79	3.981	4.002	(0.528)	291095	53.4328	1781.1	REV
2 N-Nitrosodimethylamine	74	4.003	4.013	(0.531)	198266	65.1919	2173.1	REV
4 N-Nitrosomethylethylamine	88	5.190	5.189	(0.689)	168177	66.1640	2205.5(Q)	REV
7 N-Nitrosodiethylamine	102	6.129	6.138	(0.813)	160085	69.3746	2312.5	REV
9 Pentachloroethane	117	7.127	7.147	(0.946)	92375	66.2949	2209.8	REV
10 Aniline	93	7.127	7.147	(0.946)	315190	47.3015	1576.7	REV
11 bis(2-Chloroethyl)ether	93	7.181	7.201	(0.953)	326286	69.7989	2326.6	REV
13 Phenol	94	7.084	7.088	(0.940)	367038	68.4305	2281.0	REV
14 2-Chlorophenol	128	7.294	7.309	(0.968)	293198	67.8939	2263.1	REV
15 1,3-Dichlorobenzene	146	7.488	7.509	(0.994)	323886	67.3767	2245.9	REV
16 1,4-Dichlorobenzene	146	7.558	7.584	(1.003)	321513	68.4283	2280.9	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042611.D Page 2
Report Date: 29-Apr-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
18 1,2-Dichlorobenzene	146	7.844	7.865	(1.041)	291094	64.7902	2159.7	REV
19 Benzyl Alcohol	108	7.763	7.784	(1.030)	213910	75.6001	2520.0	REV
20 bis(2-Chloroisopropyl)ether	45	7.963	7.989	(1.057)	419477	65.7489	2191.6	REV
21 2-Methylphenol	108	7.941	7.957	(1.054)	273805	69.1085	2303.6	REV
22 Acetophenone	105	8.168	8.194	(1.084)	356745	65.9402	2198.0	REV
23 N-Nitroso-di-n-propylamine	70	8.195	8.221	(1.087)	199478	64.4112	2147.0	REV
24 N-Nitrosopyrrolidine	100	8.190	8.216	(1.087)	141972	69.5441	2318.1	REV
25 3-(and/or 4-)Methylphenol	108	8.152	8.183	(1.082)	252756	68.4565	2281.9	REV
28 Hexachloroethane	117	8.292	8.318	(1.100)	109558	65.5826	2186.1	REV
30 Nitrobenzene	77	8.438	8.464	(0.890)	309115	68.6572	2288.6	REV
31 N-Nitrosopiperidine	114	8.670	8.696	(0.915)	155493	78.9661	2632.2	REV
32 Isophorone	82	8.772	8.798	(0.925)	573486	73.3956	2446.5	REV
33 2-Nitrophenol	139	8.918	8.944	(0.941)	165574	85.8220	2860.7	REV
34 2,4-Dimethyphenol	107	8.945	8.971	(0.944)	260541	68.9336	2297.8	REV
35 Bis(2-chloroethoxy)methane	93	9.091	9.117	(0.959)	321056	73.5911	2453.0	REV
36 2,4-Dichlorophenol	162	9.274	9.300	(0.978)	238805	80.3413	2678.0	REV
38 1,2,4-Trichlorobenzene	180	9.404	9.430	(0.992)	251452	75.7411	2524.7	REV
39 Benzoic Acid	122	9.145	9.165	(0.965)	85580	55.7227	1857.4	REV
41 Naphthalene	128	9.512	9.537	(1.003)	761969	71.7630	2392.1	REV
42 4-Chloroaniline	127	9.619	9.645	(1.015)	204388	47.9001	1596.7	REV
43 2,6-Dichlorophenol	162	9.630	9.656	(1.016)	232515	80.0601	2668.7	REV
44 Hexachloropropene	213	9.684	9.710	(1.022)	159199	80.0728	2669.1	REV
45 Hexachlorobutadiene	225	9.760	9.791	(1.030)	135307	74.1425	2471.4	REV
46 N-Nitroso-di-n-butylamine	84	10.137	10.163	(1.069)	182371	75.1547	2505.2	REV
47 4-Chloro-3-Methylphenol	107	10.359	10.385	(1.093)	237337	74.0807	2469.4	REV
49 2-Methylnaphthalene	142	10.580	10.611	(1.116)	521558	74.8863	2496.2	REV
50 Hexachlorocyclopentadiene	237	10.931	10.956	(0.890)	85213	54.7772	1825.9	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.909	10.940	(0.888)	237528	79.6186	2654.0	REV
52 2,4,6-Trichlorophenol	196	11.071	11.097	(0.902)	160416	79.3780	2645.9	REV
53 2,4,5-Trichlorphenol	196	11.141	11.167	(0.907)	171832	77.6209	2587.4	REV
55 2-Chloronaphthalene	127	11.362	11.388	(0.925)	181000	74.3150	2477.2	REV
57 2-Nitroaniline	65	11.583	11.609	(0.943)	160693	74.2805	2476.0	REV
59 Dimethylphthalate	163	11.886	11.917	(0.968)	592065	81.5276	2717.6	REV
60 2,6-Dinitrotoluene	165	12.020	12.046	(0.979)	144458	81.3256	2710.8	REV
62 Acenaphthylene	152	12.042	12.068	(0.981)	768625	73.3762	2445.9	REV
63 3-Nitroaniline	138	12.247	12.278	(0.997)	122794	62.0249	2067.5	REV
65 Acenaphthene	153	12.333	12.365	(1.004)	455963	75.4766	2515.9	REV
66 2,4-Dinitrophenol	184	12.409	12.440	(1.011)	57424	65.0592	2168.6	REV
67 Dibenzofuran	168	12.582	12.607	(1.025)	689402	78.7744	2625.8	REV
68 4-Nitrophenol	109	12.517	12.548	(1.019)	72416	73.5855	2452.8(H)	REV
69 Pentachlorobenzene	250	12.619	12.651	(1.028)	196084	82.9645	2765.5	REV
70 2,4-Dinitrotoluene	165	12.646	12.678	(1.030)	199105	87.8306	2927.7	REV
72 2,3,4,6-tetrachlorophenol	232	12.851	12.883	(1.047)	146062	90.2011	3006.7	REV
74 Diethylphthalate	149	13.002	13.034	(1.059)	572159	79.4659	2648.9	REV
75 4-Chlorophenyl-phenylether	204	13.110	13.142	(1.068)	276334	81.7267	2724.2	REV
76 Fluorene	166	13.137	13.163	(1.070)	555939	77.9187	2597.3	REV
78 4,6-Dinitro-2-methylphenol	198	13.305	13.330	(0.909)	103629	84.0683	2802.3	REV
79 4-Nitroaniline	138	13.256	13.282	(1.080)	150605	75.3322	2511.1	REV
80 N-Nitrosodiphenylamine/DPA	169	13.326	13.352	(1.085)	421911	68.5245	2284.1	REV
81 Azobenzene	77	13.369	13.395	(0.913)	548009	69.7492	2325.0	REV
84 4-Bromophenyl-phenylether	248	13.893	13.924	(0.949)	162393	83.4803	2782.7	REV
87 Hexachlorobenzene	284	14.152	14.178	(0.967)	164028	81.8698	2729.0	REV
90 Pentachlorophenol	266	14.438	14.469	(0.986)	108911	86.4912	2883.0	REV
94 Phenanthrene	178	14.680	14.712	(1.003)	816603	77.6817	2589.4	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042611.D Page 3
Report Date: 29-Apr-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
95 Anthracene	178	14.751	14.787	(1.008)	827528	75.8945	2529.8	REV
96 Dinoseb	211	14.707	14.739	(1.005)	138719	87.0034	2900.1	REV
97 Carbazole	167	15.020	15.046	(1.026)	820353	76.4660	2548.9	REV
98 Di-n-Butylphthalate	149	15.587	15.613	(1.065)	930437	74.4931	2483.1	REV
102 Fluoranthene	202	16.601	16.633	(1.134)	919989	77.7064	2590.2	REV
103 Benzidine	184	16.801	16.838	(0.888)	88310	16.6494	554.98	REV
104 Pyrene	202	16.973	16.999	(0.897)	946050	82.9467	2764.9	REV
110 Butylbenzylphthalate	149	17.999	18.030	(0.951)	416089	84.6383	2821.3	REV
112 3,3'-Dichlorobenzidine	252	18.862	18.893	(0.997)	251916	64.7257	2157.5	REV
113 Benzo(a)anthracene	228	18.889	18.894	(0.998)	783365	77.9223	2597.4	REV
115 bis(2-Ethylhexyl)phthalate	149	18.905	18.931	(0.999)	463875	71.7804	2392.7	REV
116 Chrysene	228	18.964	18.996	(1.002)	801412	83.2761	2775.9	REV
117 Di-n-octylphthalate	149	19.828	19.859	(0.937)	952506	81.5073	2716.9	REV
119 Benzo(b)fluoranthene	252	20.551	20.587	(0.971)	850212	76.5818	2552.7	REV
120 Benzo(k)fluoranthene	252	20.588	20.631	(0.973)	820491	76.6565	2555.2	REV
121 Benzo(a)pyrene	252	21.074	21.111	(0.996)	748271	77.7703	2592.3	REV
125 Indeno(1,2,3-cd)pyrene	276	23.162	23.215	(1.095)	691563	71.4579	2381.9	REV
126 Dibenz(a,h)anthracene	278	23.157	23.215	(1.095)	565531	69.0064	2300.2	REV
127 Benzo(g,h,i)perylene	276	23.729	23.787	(1.122)	581527	74.5722	2485.7	REV
146 Biphenyl	154	11.330	11.323	(0.923)	613323	79.0235	2634.1	REV
149 Diphenyl ether	170	11.497	11.496	(0.936)	339156	82.0649	2735.5	REV

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042611.D

Date : 26-APR-2007 14:19

Client ID: I7D210000-144

Instrument: MSN1.i

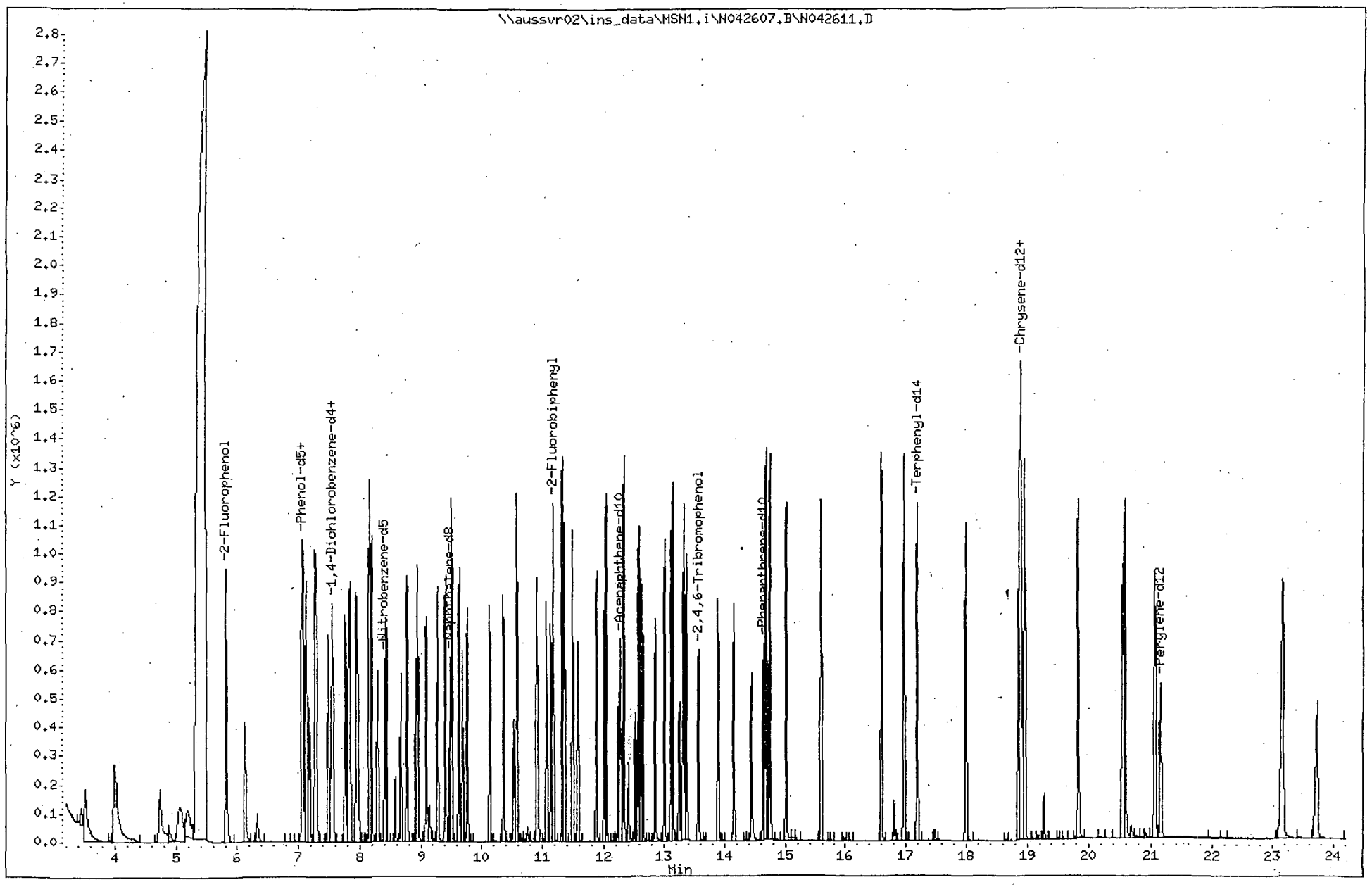
Sample Info: JVFLD1ACC;I7D210000-144;1;0;;2;;30.0;1000

Volume Injected (uL): 0.5

Operator: malloym

Column phase: Rtx5-MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042612.D Page 1
Report Date: 27-Apr-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042612.D
Lab Smp Id: JT5CX1AC Client Smp ID: MW-9-30
Inj Date : 26-APR-2007 15:04
Operator : malloym Inst ID: MSN1.i
Smp Info : JT5CX1AC;I7D180179-01;1;0;;2;;30.07;1000
Misc Info : ;2-HSLB.sub; IS STD SMINTSTDW00002; 7111144
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 09:13 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLB.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Ws	30.070	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.533	7.529	(1.000)	115927	40.0000		REV
* 40 Naphthalene-d8	136	9.470	9.471	(1.000)	417961	40.0000		REV
* 64 Acenaphthene-d10	164	12.275	12.272	(1.000)	214786	40.0000		REV
* 93 Phenanthrene-d10	188	14.633	14.640	(1.000)	385194	40.0000		REV
* 114 Chrysene-d12	240	18.912	18.908	(1.000)	371868	40.0000		REV
* 122 Perylene-d12	264	21.151	21.147	(1.000)	308009	40.0000		REV
$ 6 2-Fluorophenol	112	5.812	5.798	(0.772)	452161	103.861	3454.0	REV
$ 12 Phenol-d5	99	7.052	7.072	(0.936)	526802	105.600	3511.8	REV
$ 82 2,4,6-Tribromophenol	330	13.559	13.595	(0.927)	93358	122.497	4073.7	REV
$ 29 Nitrobenzene-d5	82	8.401	8.437	(0.887)	294680	71.8372	2389.0	REV
$ 54 2-Fluorobiphenyl	172	11.180	11.210	(0.911)	513416	76.7500	2552.4	REV
$ 105 Terphenyl-d14	244	17.196	17.221	(0.909)	634047	83.7512	2785.2	REV
22 Acetophenone	105	8.159	8.194	(1.083)	4880	0.88945	29.579(aQ)	REV
39 Benzoic Acid	122	9.054	9.165	(0.956)	2498	9.03888	300.59(a)	REV
41 Naphthalene	128	9.502	9.537	(1.003)	2078	0.19954	6.6359(a)	REV
146 Biphenyl	154	11.320	11.323	(0.922)	1026	0.14068	4.6784(a)	REV

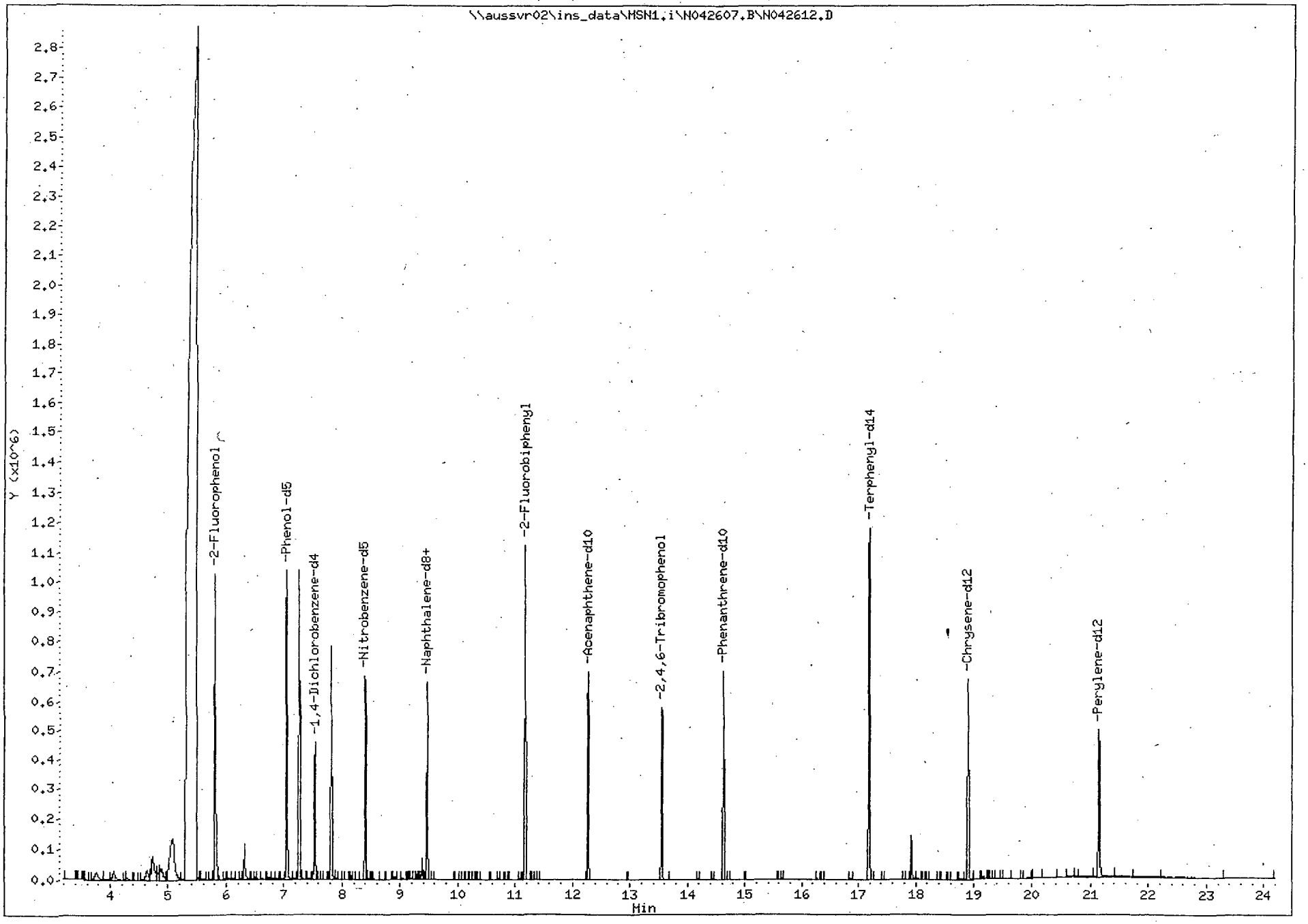
QC Flag Legend

M 4-27-7

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042612.D
Date : 26-APR-2007 15:04

Sample Info: JT5CX1AC;I7D180179-01;1;0;;2;;30.07;1000



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042612.D

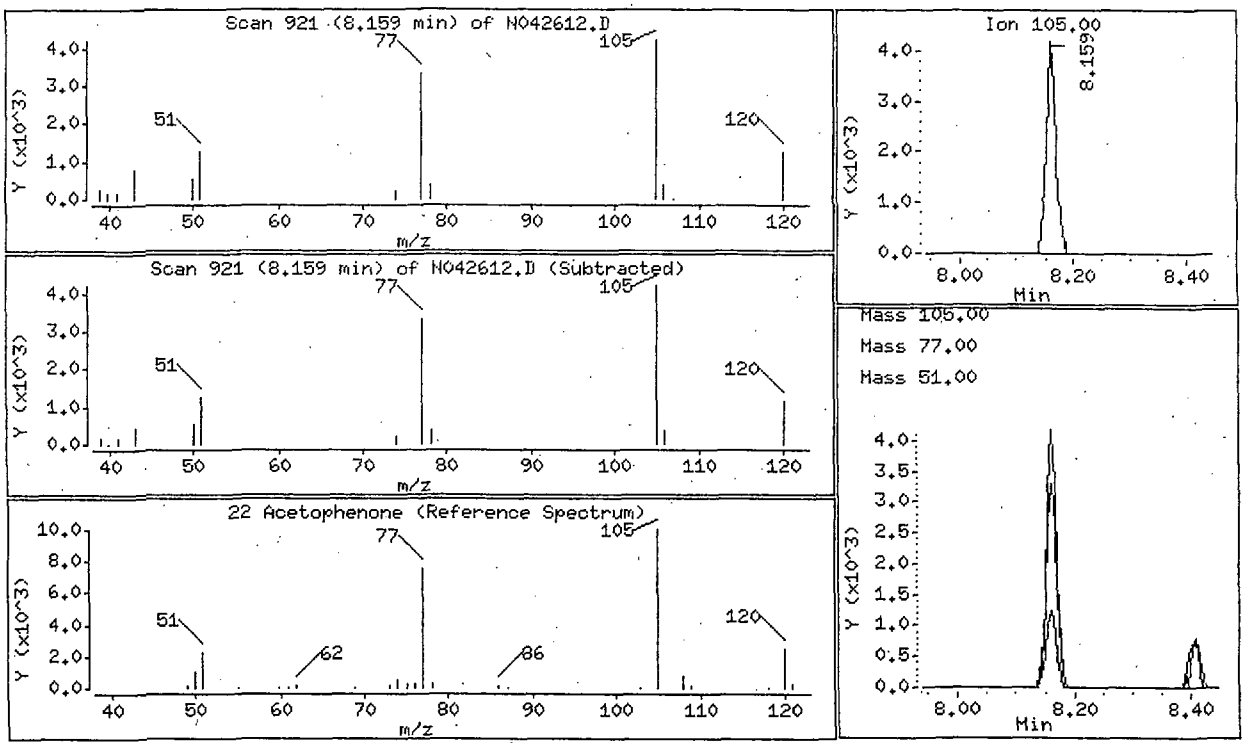
Page 3

Date : 26-APR-2007 15:04

Sample Info: JT5CX1AC;I7D180179-01;1;0;;2;;30.07;1000

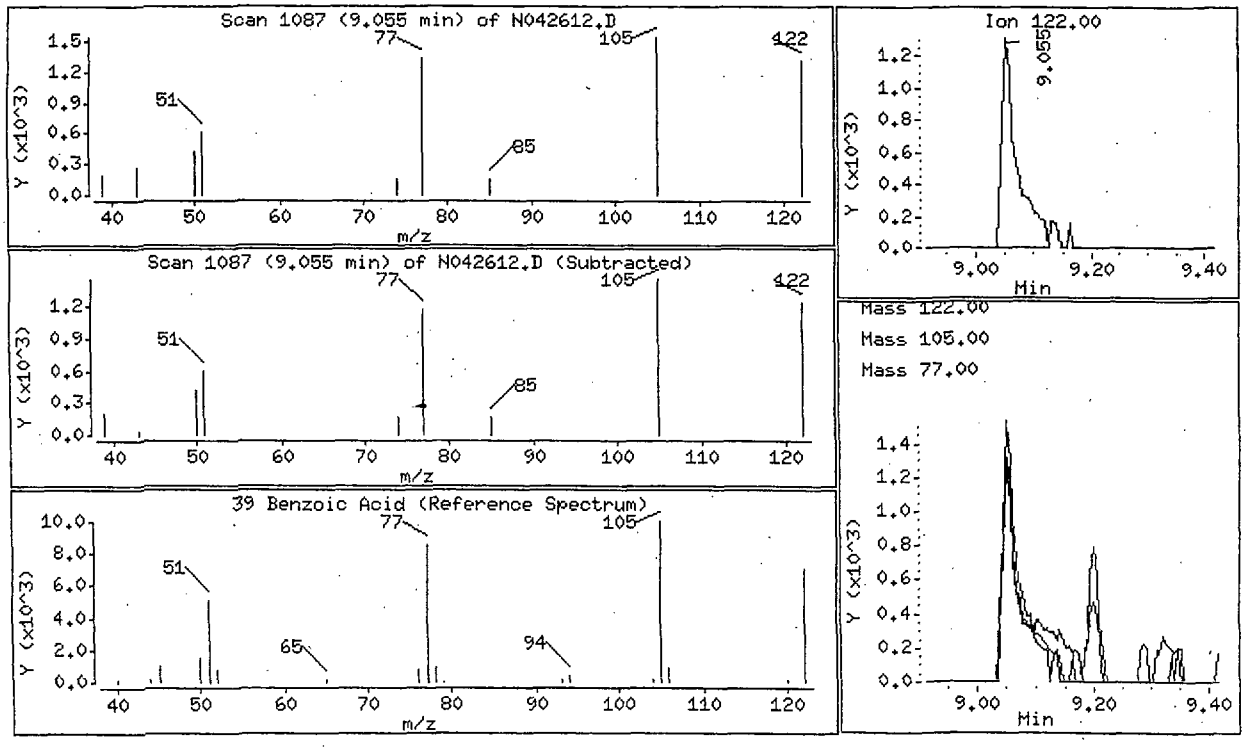
22 Acetophenone

Concentration: 29.579 ug/Kg



39 Benzoic Acid

Concentration: 300.59 ug/Kg



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042612.D

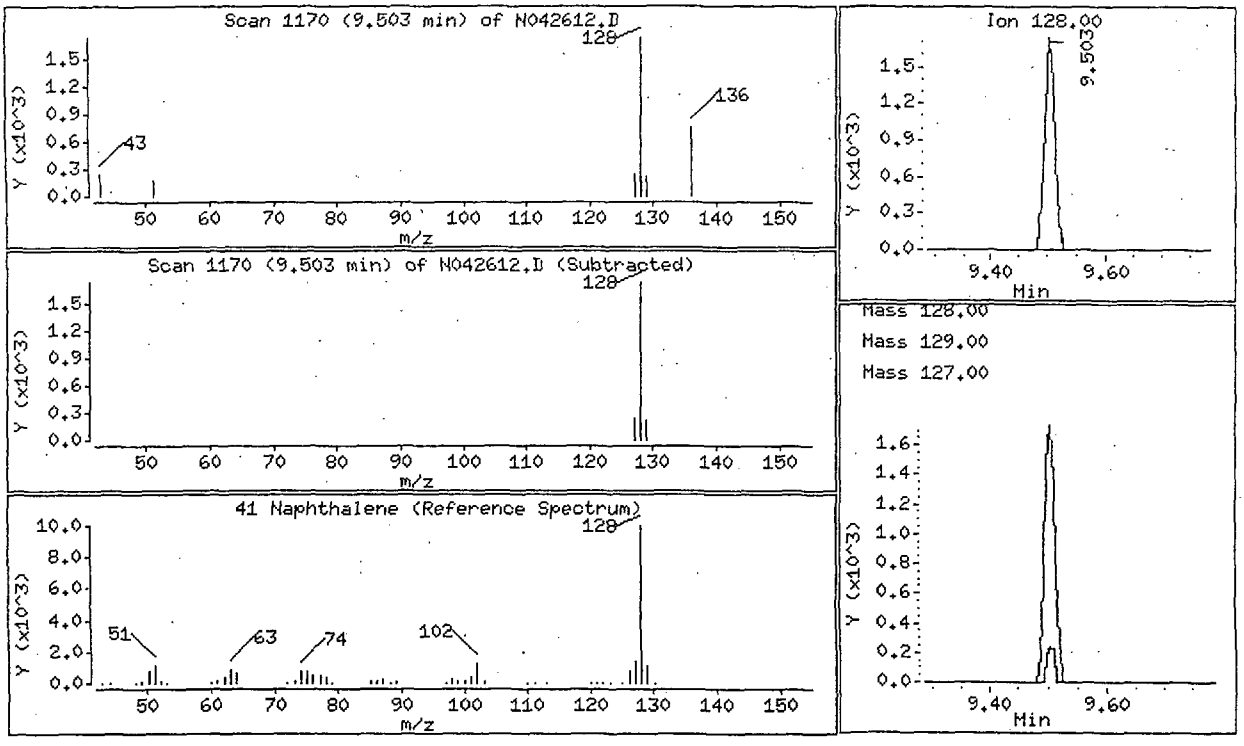
Page 4

Date : 26-APR-2007 15:04

Sample Info: JT5CX1AC;I7D180179-01;1;0;;2;;30.07;1000

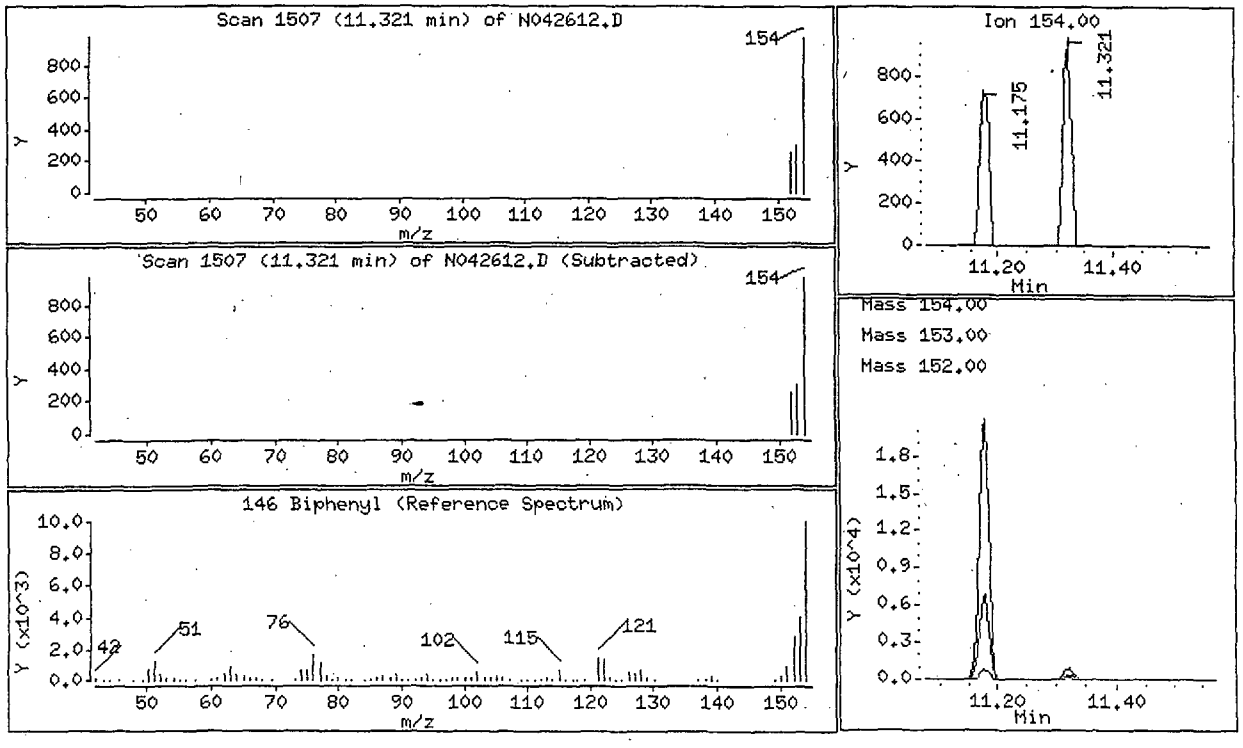
41 Naphthalene

Concentration: 6.6359 ug/Kg



146 Biphenyl

Concentration: 4.6784 ug/Kg



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042613.D Page 1
Report Date: 29-Apr-2007 09:36

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042613.D
Lab Smp Id: JT5CX1AFS Client Smp ID: I7D180179-01S
Inj Date : 26-APR-2007 15:34
Operator : malloym Inst ID: MSN1.i
Smp Info : JT5CX1AFS;I7D180179-01S;1;0;;2;;30.06;1000
Misc Info : ;2-HSLB.sub; IS STD SMINTSTDW00002; 7111144
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 09:13 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLB.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Ws	30.060	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.536	7.529	(1.000)	114430	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.479	9.471	(1.000)	426609	40.0000		REV
* 64 Acenaphthene-d10	164	12.279	12.272	(1.000)	227599	40.0000		REV
* 93 Phenanthrene-d10	188	14.637	14.640	(1.000)	429183	40.0000		REV
* 114 Chrysene-d12	240	18.921	18.908	(1.000)	355492	40.0000		REV
* 122 Perylene-d12	264	21.160	21.147	(1.000)	335787	40.0000		REV
$ 6 2-Fluorophenol	112	5.821	5.798	(0.772)	457572	106.479	3542.2	REV
$ 12 Phenol-d5	99	7.067	7.072	(0.938)	529018	107.432	3573.9	REV
$ 82 2,4,6-Tribromophenol	330	13.563	13.595	(0.927)	109698	129.185	4297.6	REV
$ 29 Nitrobenzene-d5	82	8.410	8.437	(0.887)	307377	73.4134	2442.2	REV
$ 54 2-Fluorobiphenyl	172	11.184	11.210	(0.911)	554098	78.1684	2600.4	REV
$ 105 Terphenyl-d14	244	17.194	17.221	(0.909)	642074	88.7184	2951.4	REV
1 Pyridine	79	3.986	4.002	(0.529)	246698	45.2367	1504.9	REV
2 N-Nitrosodimethylamine	74	4.002	4.013	(0.531)	210978	69.3002	2305.4	REV
4 N-Nitrosomethylethylamine	88	5.200	5.189	(0.690)	178037	69.9708	2327.7(Q)	REV
7 N-Nitrosodiethylamine	102	6.134	6.138	(0.814)	168394	72.9001	2425.2	REV
9 Pentachloroethane	117	7.132	7.147	(0.946)	97205	69.6893	2318.3	REV
10 Aniline	93	7.126	7.147	(0.946)	314899	47.2091	1570.5	REV
11 bis(2-Chloroethyl)ether	93	7.186	7.201	(0.953)	352855	75.4047	2508.5	REV
13 Phenol	94	7.083	7.088	(0.940)	389115	72.4718	2410.9	REV
14 2-Chlorophenol	128	7.299	7.309	(0.969)	311285	72.0078	2395.5	REV
15 1,3-Dichlorobenzene	146	7.488	7.509	(0.994)	340402	70.7394	2353.3	REV
16 1,4-Dichlorobenzene	146	7.563	7.584	(1.004)	338687	72.0092	2395.5	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042613.D Page 2
Report Date: 29-Apr-2007 09:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
18 1,2-Dichlorobenzene	146	7.844	7.865	(1.041)	306214	68.0853	2265.0	REV
19 Benzyl Alcohol	108	7.768	7.784	(1.031)	226306	79.8987	2658.0	REV
20 bis(2-Chloroisopropyl)ether	45	7.968	7.989	(1.057)	440820	69.0229	2296.2	REV
21 2-Methylphenol	108	7.946	7.957	(1.054)	285375	71.9545	2393.7	REV
22 Acetophenone	105	8.168	8.194	(1.084)	377254	69.6592	2317.3	REV
23 N-Nitroso-di-n-propylamine	70	8.195	8.221	(1.087)	209390	67.5420	2246.9	REV
24 N-Nitrosopyrrolidine	100	8.195	8.216	(1.087)	148523	72.6780	2417.8	REV
25 3-(and/or 4-)Methylphenol	108	8.157	8.183	(1.082)	258376	69.9065	2325.6	REV
28 Hexachloroethane	117	8.297	8.318	(1.101)	115491	69.0629	2297.5	REV
30 Nitrobenzene	77	8.443	8.464	(0.891)	326820	72.5117	2412.2	REV
31 N-Nitrosopiperidine	114	8.675	8.696	(0.915)	163882	83.1371	2765.7	REV
32 Isophorone	82	8.777	8.798	(0.926)	597369	76.3701	2540.6	REV
33 2-Nitrophenol	139	8.923	8.944	(0.941)	176241	91.2530	3035.7	REV
34 2,4-Dimethyphenol	107	8.950	8.971	(0.944)	269457	71.2161	2369.1	REV
35 Bis(2-chloroethoxy)methane	93	9.090	9.117	(0.959)	334296	76.5437	2546.4(H)	REV
36 2,4-Dichlorophenol	162	9.274	9.300	(0.978)	248950	83.6645	2783.2	REV
38 1,2,4-Trichlorobenzene	180	9.403	9.430	(0.992)	263982	79.4299	2642.4	REV
39 Benzoic Acid	122	9.150	9.165	(0.965)	107459	67.9589	2260.8	REV
41 Naphthalene	128	9.511	9.537	(1.003)	798988	75.1687	2500.6	REV
42 4-Chloroaniline	127	9.619	9.645	(1.015)	208432	48.7954	1623.3	REV
43 2,6-Dichlorophenol	162	9.635	9.656	(1.017)	240902	82.8589	2756.4	REV
44 Hexachloropropene	213	9.684	9.710	(1.022)	168856	84.8388	2822.3	REV
45 Hexachlorobutadiene	225	9.765	9.791	(1.030)	143125	78.3423	2606.2	REV
46 N-Nitroso-di-n-butylamine	84	10.137	10.163	(1.069)	186466	76.7598	2553.6(H)	REV
47 4-Chloro-3-Methylphenol	107	10.358	10.385	(1.093)	245068	76.4117	2542.0	REV
49 2-Methylnaphthalene	142	10.585	10.611	(1.117)	542112	77.7539	2586.6	REV
50 Hexachlorocyclopentadiene	237	10.930	10.956	(0.890)	89012	57.4639	1911.6	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.914	10.940	(0.889)	246726	83.0553	2763.0	REV
52 2,4,6-Trichlorophenol	196	11.076	11.097	(0.902)	165559	82.2731	2737.0	REV
53 2,4,5-Trichlorphenol	196	11.141	11.167	(0.907)	180331	81.8084	2721.5	REV
55 2-Chloronaphthalene	127	11.362	11.388	(0.925)	188333	77.6563	2583.4	REV
57 2-Nitroaniline	65	11.583	11.609	(0.943)	166278	77.1907	2567.9	REV
59 Dimethylphthalate	163	11.885	11.917	(0.968)	610675	84.4497	2809.4	REV
60 2,6-Dinitrotoluene	165	12.020	12.046	(0.979)	148825	84.1423	2799.1	REV
62 Acenaphthylene	152	12.042	12.068	(0.981)	792932	76.0202	2528.9	REV
63 3-Nitroaniline	138	12.252	12.278	(0.998)	125379	63.6014	2115.8	REV
65 Acenaphthene	153	12.333	12.365	(1.004)	466822	77.6045	2581.6	REV
66 2,4-Dinitrophenol	184	12.409	12.440	(1.011)	62135	70.0250	2329.5	REV
67 Dibenzofuran	168	12.581	12.607	(1.025)	709122	81.3741	2707.0	REV
68 4-Nitrophenol	109	12.516	12.548	(1.019)	79602	81.2334	2702.4	REV
69 Pentachlorobenzene	250	12.624	12.651	(1.028)	202077	85.8657	2856.5	REV
70 2,4-Dinitrotoluene	165	12.646	12.678	(1.030)	209998	93.0318	3094.9	REV
72 2,3,4,6-tetrachlorophenol	232	12.851	12.883	(1.047)	153103	94.9535	3158.8	REV
74 Diethylphthalate	149	13.007	13.034	(1.059)	598247	83.4444	2775.9	REV
75 4-Chlorophenyl-phenylether	204	13.110	13.142	(1.068)	285232	84.7189	2818.3	REV
76 Fluorene	166	13.137	13.163	(1.070)	573477	80.7204	2685.3	REV
78 4,6-Dinitro-2-methylphenol	198	13.304	13.330	(0.909)	110634	89.3316	2971.8	REV
79 4-Nitroaniline	138	13.256	13.282	(1.080)	159726	80.2360	2669.2	REV
80 N-Nitrosodiphenylamine/DPA	169	13.326	13.352	(1.085)	439933	71.7570	2387.1	REV
81 Azobenzene	77	13.369	13.395	(0.913)	565912	71.9031	2392.0	REV
84 4-Bromophenyl-phenylether	248	13.892	13.924	(0.949)	167544	85.9792	2860.2	REV
87 Hexachlorobenzene	284	14.151	14.178	(0.967)	171413	85.4076	2841.2	REV
90 Pentachlorophenol	266	14.443	14.469	(0.987)	115838	91.8330	3055.0	REV
94 Phenanthrene	178	14.680	14.712	(1.003)	842445	80.0013	2661.4	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042613.D Page 3
Report Date: 29-Apr-2007 09:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
95 Anthracene	178	14.756	14.787	(1.008)	866729	79.3521	2639.8	REV
96 Dinoseb	211	14.707	14.739	(1.005)	148699	92.8539	3089.0	REV
97 Carbazole	167	15.020	15.046	(1.026)	824128	76.6848	2551.0	REV
98 Di-n-Butylphthalate	149	15.586	15.613	(1.065)	968927	77.4404	2576.2	REV
102 Fluoranthene	202	16.606	16.633	(1.135)	956965	80.6897	2684.3	REV
103 Benzidine	184	16.806	16.838	(0.888)	45759	8.59623	285.97(a)	REV
104 Pyrene	202	16.973	16.999	(0.897)	981701	85.7645	2853.1	REV
110 Butylbenzylphthalate	149	18.004	18.030	(0.952)	435677	88.3056	2937.6	REV
112 3,3'-Dichlorobenzidine	252	18.862	18.893	(0.997)	238940	61.1721	2035.0(H)	REV
113 Benzo(a)anthracene	228	18.888	18.894	(0.998)	800100	79.3022	2638.1	REV
115 bis(2-Ethylhexyl)phthalate	149	18.905	18.931	(0.999)	479446	73.9244	2459.2	REV
116 Chrysene	228	18.969	18.996	(1.003)	829596	85.8963	2857.5	REV
117 Di-n-octylphthalate	149	19.827	19.859	(0.937)	992259	83.4378	2775.7	REV
119 Benzo(b)fluoranthene	252	20.550	20.587	(0.971)	928473	82.1821	2733.9	REV
120 Benzo(k)fluoranthene	252	20.593	20.631	(0.973)	811952	74.5444	2479.8	REV
121 Benzo(a)pyrene	252	21.074	21.111	(0.996)	785686	80.2441	2669.5	REV
125 Indeno(1,2,3-cd)pyrene	276	23.167	23.215	(1.095)	713438	72.4409	2409.9	REV
126 Dibenz(a,h)anthracene	278	23.162	23.215	(1.095)	580890	69.6524	2317.1	REV
127 Benzo(g,h,i)perylene	276	23.728	23.787	(1.121)	596025	75.1070	2498.6	REV
146 Biphenyl	154	11.329	11.323	(0.923)	630666	81.6055	2714.8	REV
149 Diphenyl ether	170	11.497	11.496	(0.936)	349284	84.8768	2823.6	REV

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042613.D

Date : 26-APR-2007 15:34

Client ID: I7D180179-01S

Sample Info: JT5CX1AFS;I7D180179-01S;1;0;;2;;30.06;1000

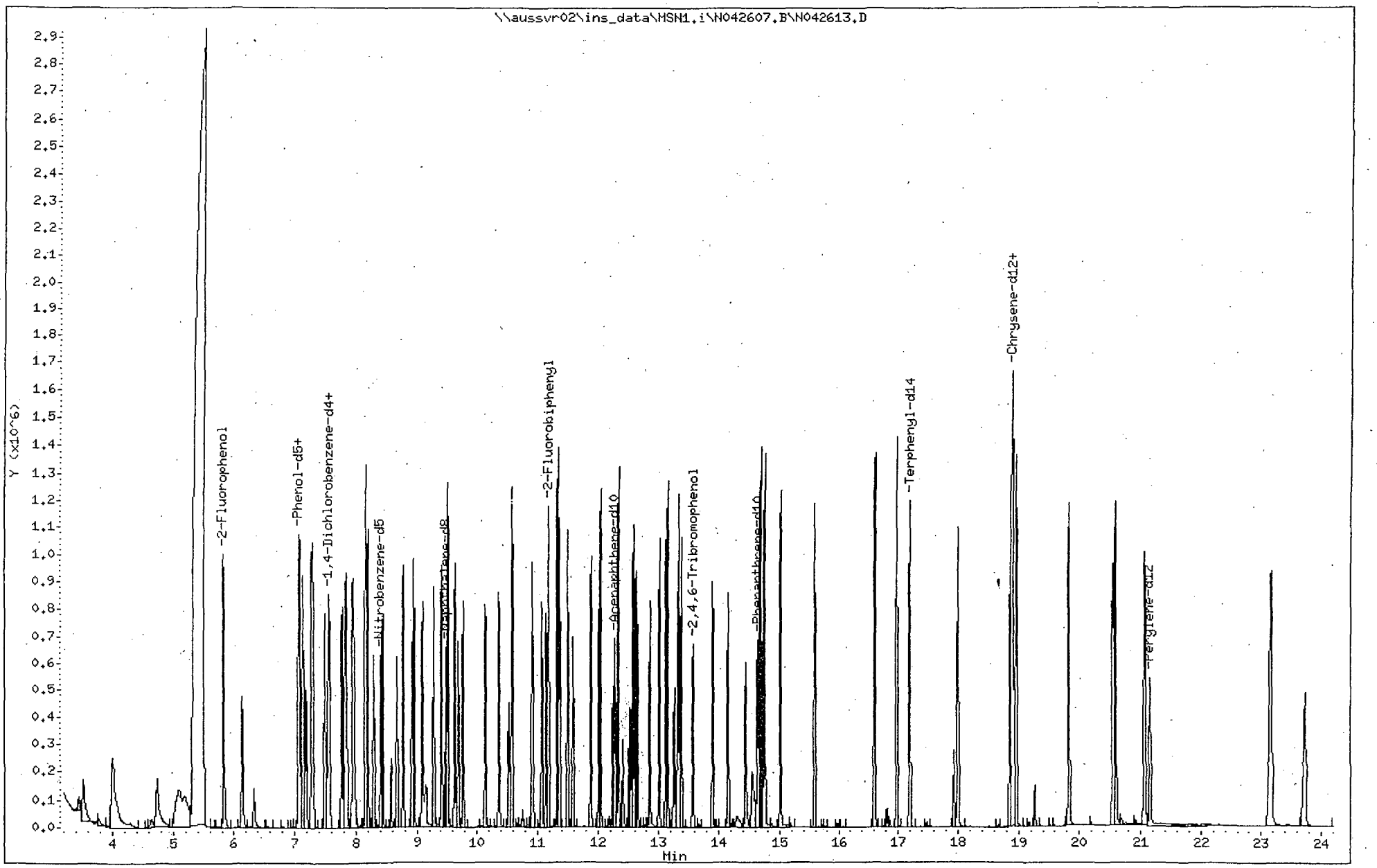
Volume Injected (uL): 0.5

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042614.D Page 1
Report Date: 27-Apr-2007 12:56

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042614.D
Lab Smp Id: JT5CX1AGD Client Smp ID: I7D180179-01D
Inj Date : 26-APR-2007 16:04
Operator : malloym Inst ID: MSN1.i
Smp Info : JT5CX1AGD;I7D180179-01D;1;0;;2;;30.0;1000
Misc Info : ;2-HSLB.sub; IS STD SMINTSTDW00002; 7111144
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 09:13 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLB.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.536	7.529	(1.000)	114730	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.479	9.471	(1.000)	428340	40.0000		REV
* 64 Acenaphthene-d10	164	12.279	12.272	(1.000)	230570	40.0000		REV
* 93 Phenanthrene-d10	188	14.637	14.640	(1.000)	436055	40.0000		REV
* 114 Chrysene-d12	240	18.921	18.908	(1.000)	353030	40.0000		REV
* 122 Perylene-d12	264	21.160	21.147	(1.000)	334895	40.0000		REV
$ 6 2-Fluorophenol	112	5.821	5.798	(0.772)	499000	115.815	3860.5	REV
$ 12 Phenol-d5	99	7.067	7.072	(0.938)	569287	115.307	3843.6	REV
$ 82 2,4,6-Tribromophenol	330	13.563	13.595	(0.927)	117007	135.621	4520.7	REV
$ 29 Nitrobenzene-d5	82	8.416	8.437	(0.888)	335853	79.8904	2663.0	REV
$ 54 2-Fluorobiphenyl	172	11.184	11.210	(0.911)	591573	82.3798	2746.0	REV
$ 105 Terphenyl-d14	244	17.194	17.221	(0.909)	676278	94.0962	3136.5	REV
1 Pyridine	79	3.986	4.002	(0.529)	284460	52.0247	1734.2	REV
2 N-Nitrosodimethylamine	74	4.002	4.013	(0.531)	225086	73.7409	2458.0	REV
4 N-Nitrosomethylethylamine	88	5.189	5.189	(0.689)	191453	75.0468	2501.6 (Q)	REV
7 N-Nitrosodiethylamine	102	6.134	6.138	(0.814)	180100	77.7639	2592.1	REV
9 Pentachloroethane	117	7.132	7.147	(0.946)	103688	74.1428	2471.4	REV
10 Aniline	93	7.126	7.147	(0.946)	318614	47.6412	1588.0	REV
11 bis(2-Chloroethyl)ether	93	7.186	7.201	(0.953)	377921	80.5500	2685.0	REV
13 Phenol	94	7.083	7.088	(0.940)	404930	75.2201	2507.3	REV
14 2-Chlorophenol	128	7.299	7.309	(0.969)	325895	75.1903	2506.3	REV
15 1,3-Dichlorobenzene	146	7.488	7.509	(0.994)	360711	74.7638	2492.1	REV

4-27-7

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042614.D Page 2
Report Date: 27-Apr-2007 12:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
16 1,4-Dichlorobenzene	146	7.563	7.584	(1.004)	357958	75.9075	2530.2	REV
18 1,2-Dichlorobenzene	146	7.844	7.865	(1.041)	321897	71.3852	2379.5	REV
19 Benzyl Alcohol	108	7.769	7.784	(1.031)	229757	80.9049	2696.8	REV
20 bis(2-Chloroisopropyl)ether	45	7.968	7.989	(1.057)	465503	72.6971	2423.2	REV
21 2-Methylphenol	108	7.947	7.957	(1.054)	300810	75.6479	2521.6	REV
22 Acetophenone	105	8.168	8.194	(1.084)	394669	72.6843	2422.8	REV
23 N-Nitroso-di-n-propylamine	70	8.200	8.221	(1.088)	220514	70.9443	2364.8	REV
24 N-Nitrosopyrrolidine	100	8.195	8.216	(1.087)	156123	76.1972	2539.9	REV
25 3-(and/or 4-)Methylphenol	108	8.157	8.183	(1.082)	266378	71.8831	2396.1	REV
28 Hexachloroethane	117	8.297	8.318	(1.101)	121803	72.6469	2421.6	REV
30 Nitrobenzene	77	8.443	8.464	(0.891)	342281	75.6352	2521.2	REV
31 N-Nitrosopiperidine	114	8.675	8.696	(0.915)	171957	86.8810	2896.0	REV
32 Isophorone	82	8.777	8.798	(0.926)	628190	79.9858	2666.2	REV
33 2-Nitrophenol	139	8.923	8.944	(0.941)	186227	96.0338	3201.1	REV
34 2,4-Dimethyphenol	107	8.950	8.971	(0.944)	280755	73.9022	2463.4	REV
35 Bis(2-chloroethoxy)methane	93	9.090	9.117	(0.959)	349428	79.6851	2656.2	REV
36 2,4-Dichlorophenol	162	9.279	9.300	(0.979)	258763	86.6109	2887.0	REV
38 1,2,4-Trichlorobenzene	180	9.409	9.430	(0.993)	279996	83.9079	2796.9	REV
39 Benzoic Acid	122	9.155	9.165	(0.966)	110060	69.1699	2305.7	REV
41 Naphthalene	128	9.511	9.537	(1.003)	834971	78.2365	2607.9	REV
42 4-Chloroaniline	127	9.619	9.645	(1.015)	192586	44.9035	1496.8	REV
43 2,6-Dichlorophenol	162	9.635	9.656	(1.017)	253383	86.7996	2893.3	REV
44 Hexachloropropene	213	9.684	9.710	(1.022)	179549	89.8468	2994.9	REV
45 Hexachlorobutadiene	225	9.765	9.791	(1.030)	150595	82.0980	2736.6	REV
46 N-Nitroso-di-n-butylamine	84	10.137	10.163	(1.069)	196992	80.7652	2692.2	REV
47 4-Chloro-3-Methylphenol	107	10.364	10.385	(1.093)	255850	79.4511	2648.4	REV
49 2-Methylnaphthalene	142	10.585	10.611	(1.117)	564825	80.6842	2689.5	REV
50 Hexachlorocyclopentadiene	237	10.930	10.956	(0.890)	96933	61.7712	2059.0	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.914	10.940	(0.889)	256605	85.2678	2842.3	REV
52 2,4,6-Trichlorophenol	196	11.076	11.097	(0.902)	175060	85.8735	2862.4	REV
53 2,4,5-Trichlorphenol	196	11.141	11.167	(0.907)	188543	84.4317	2814.4	REV
55 2-Chloronaphthalene	127	11.362	11.388	(0.925)	198033	80.6038	2686.8	REV
57 2-Nitroaniline	65	11.583	11.609	(0.943)	175905	80.6076	2686.9	REV
59 Dimethylphthalate	163	11.885	11.917	(0.968)	644999	88.0470	2934.9	REV
60 2,6-Dinitrotoluene	165	12.020	12.046	(0.979)	156717	87.4626	2915.4	REV
62 Acenaphthylene	152	12.042	12.068	(0.981)	823737	77.9560	2598.5	REV
63 3-Nitroaniline	138	12.252	12.278	(0.998)	124983	62.5836	2086.1	REV
65 Acenaphthene	153	12.338	12.365	(1.005)	493191	80.9316	2697.7	REV
66 2,4-Dinitrophenol	184	12.409	12.440	(1.011)	59968	67.0792	2236.0	REV
67 Dibenzofuran	168	12.581	12.607	(1.025)	747362	84.6572	2821.9	REV
68 4-Nitrophenol	109	12.517	12.548	(1.019)	83110	83.7204	2790.7	REV
69 Pentachlorobenzene	250	12.624	12.651	(1.028)	213118	89.3903	2979.7	REV
70 2,4-Dinitrotoluene	165	12.651	12.678	(1.030)	218997	95.7684	3192.3	REV
72 2,3,4,6-tetrachlorophenol	232	12.851	12.883	(1.047)	160062	97.9903	3266.3	REV
74 Diethylphthalate	149	13.008	13.034	(1.059)	619938	85.3557	2845.2	REV
75 4-Chlorophenyl-phenylether	204	13.115	13.142	(1.068)	298126	87.4077	2913.6	REV
76 Fluorene	166	13.137	13.163	(1.070)	596383	82.8629	2762.1	REV
78 4,6-Dinitro-2-methylphenol	198	13.304	13.330	(0.909)	111451	88.6072	2953.6	REV
79 4-Nitroaniline	138	13.256	13.282	(1.080)	167275	82.9454	2764.8	REV
80 N-Nitrosodiphenylamine/DPA	169	13.326	13.352	(1.085)	461567	74.3156	2477.2	REV
81 Azobenzene	77	13.369	13.395	(0.913)	590099	73.7947	2459.8	REV
84 4-Bromophenyl-phenylether	248	13.892	13.924	(0.949)	176574	89.1851	2972.8	REV
87 Hexachlorobenzene	284	14.151	14.178	(0.967)	176909	86.7569	2891.9	REV
90 Pentachlorophenol	266	14.443	14.469	(0.987)	121465	94.7763	3159.2	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042614.D Page 3
Report Date: 27-Apr-2007 12:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
94 Phenanthrene	178	14.680	14.712	(1.003)	882263	82.4622	2748.7	REV
95 Anthracene	178	14.756	14.787	(1.008)	904001	81.4601	2715.3	REV
96 Dinoseb	211	14.712	14.739	(1.005)	155501	95.4677	3182.2	REV
97 Carbazole	167	15.020	15.046	(1.026)	860914	78.8453	2628.2	REV
98 Di-n-Butylphthalate	149	15.587	15.613	(1.065)	1000463	78.7008	2623.4	REV
102 Fluoranthene	202	16.606	16.633	(1.135)	980761	81.3929	2713.1	REV
103 Benzidine	184	16.806	16.838	(0.888)	48842	9.23938	307.98(a)	REV
104 Pyrene	202	16.973	16.999	(0.897)	1012088	89.0358	2967.9	REV
110 Butylbenzylphthalate	149	17.998	18.030	(0.951)	453656	92.5910	3086.4	REV
112 3,3'-Dichlorobenzidine	252	18.862	18.893	(0.997)	243443	62.7596	2092.0	REV
113 Benzo(a)anthracene	228	18.889	18.894	(0.998)	829152	82.7548	2758.5	REV
115 bis(2-Ethylhexyl)phthalate	149	18.905	18.931	(0.999)	492307	76.4367	2547.9(H)	REV
116 Chrysene	228	18.969	18.996	(1.003)	862452	89.9210	2997.4	REV
117 Di-n-octylphthalate	149	19.827	19.859	(0.937)	1014633	85.5465	2851.5	REV
119 Benzo(b)fluoranthene	252	20.550	20.587	(0.971)	957166	84.9474	2831.6	REV
120 Benzo(k)fluoranthene	252	20.594	20.631	(0.973)	843587	77.6550	2588.5	REV
121 Benzo(a)pyrene	252	21.074	21.111	(0.996)	806181	82.5566	2751.9	REV
125 Indeno(1,2,3-cd)pyrene	276	23.167	23.215	(1.095)	747073	76.0582	2535.3	REV
126 Dibenz(a,h)anthracene	278	23.167	23.215	(1.095)	608008	73.0982	2436.6	REV
127 Benzo(g,h,i)perylene	276	23.734	23.787	(1.122)	622849	78.6963	2623.2	REV
146 Biphenyl	154	11.330	11.323	(0.923)	659480	84.2343	2807.8	REV
149 Diphenyl ether	170	11.502	11.496	(0.937)	368676	88.4348	2947.8	REV

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

188

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042614.D

Date : 26-APR-2007 16:04

Client ID: I7D180179-01D

Sample Info: JT5CX1AGD;I7D180179-01D;1;0;;2;;30.06;1000

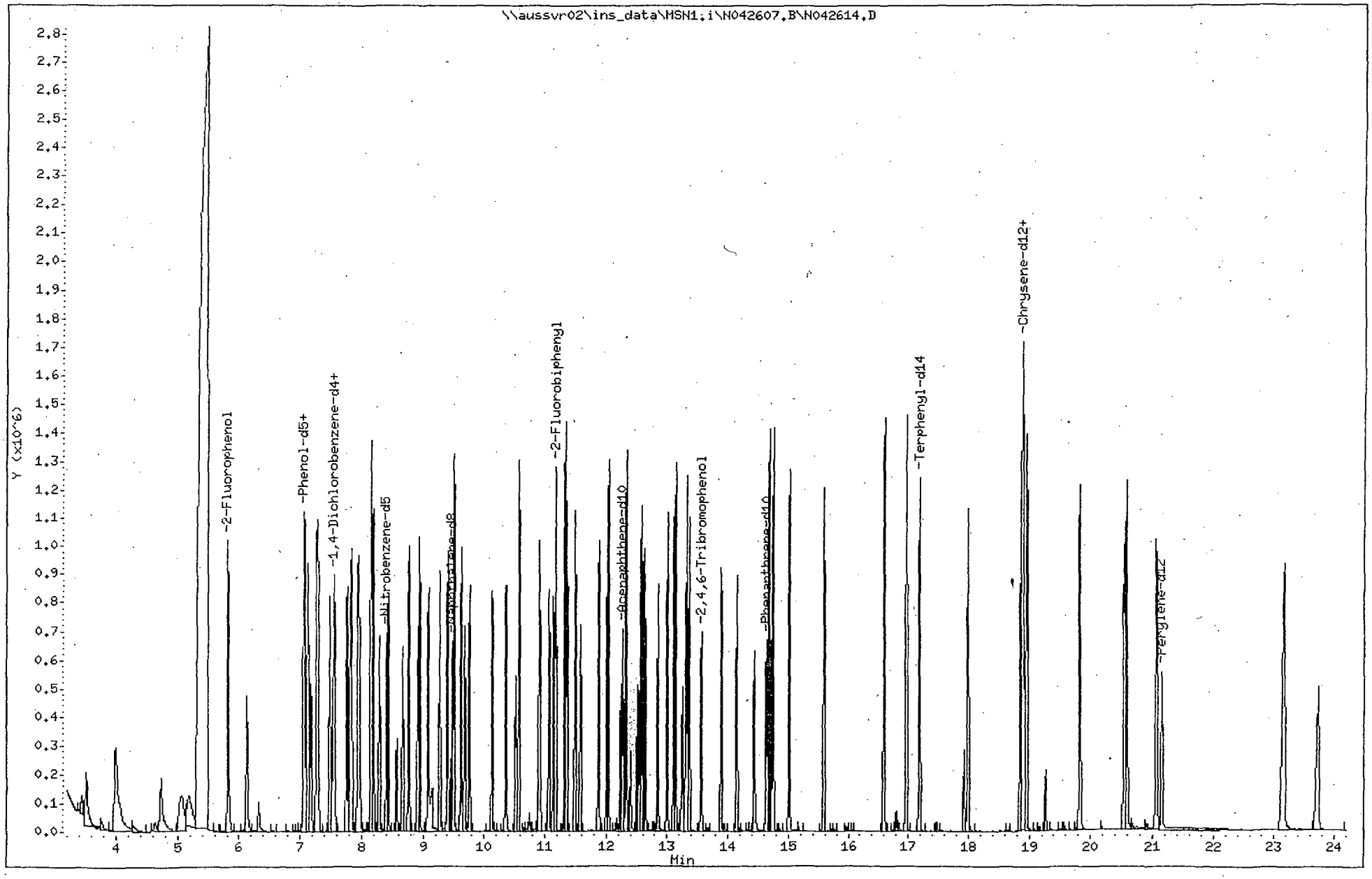
Volume Injected (uL): 0.5

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042615.D Page 1
Report Date: 27-Apr-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042615.D
Lab Smp Id: JVFLD1ADL Client Smp ID: I7D210000-144
Inj Date : 26-APR-2007 16:35
Operator : malloym Inst ID: MSN1.i
Smp Info : JVFLD1ADL;I7D210000-144;1;0;;2;;30.0;1000
Misc Info : ;2-HSLB.sub; IS STD SMINTSTDW00002; 7111144
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 09:13 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLB.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.538	7.529	(1.000)	115132	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.480	9.471	(1.000)	429501	40.0000		REV
* 64 Acenaphthene-d10	164	12.280	12.272	(1.000)	228544	40.0000		REV
* 93 Phenanthrene-d10	188	14.638	14.640	(1.000)	437296	40.0000		REV
* 114 Chrysene-d12	240	18.922	18.908	(1.000)	361763	40.0000		REV
* 122 Perylene-d12	264	21.156	21.147	(1.000)	335227	40.0000		REV
$ 6 2-Fluorophenol	112	5.817	5.798	(0.772)	459392	106.250	3541.7	REV
$ 12 Phenol-d5	99	7.063	7.072	(0.937)	538309	108.652	3621.7	REV
$ 82 2,4,6-Tribromophenol	330	13.565	13.595	(0.927)	114148	131.931	4397.7	REV
$ 29 Nitrobenzene-d5	82	8.412	8.437	(0.887)	311658	73.9347	2464.5	REV
$ 54 2-Fluorobiphenyl	172	11.185	11.210	(0.911)	568097	79.8119	2660.4	REV
$ 105 Terphenyl-d14	244	17.196	17.221	(0.909)	675097	91.6643	3055.5	REV
1 Pyridine	79	3.993	4.002	(0.530)	283772	51.7176	1723.9	REV
2 N-Nitrosodimethylamine	74	4.009	4.013	(0.532)	208955	68.2172	2273.9	REV
4 N-Nitrosomethylethylamine	88	5.196	5.189	(0.689)	179702	70.1946	2339.8(Q)	REV
7 N-Nitrosodiethylamine	102	6.135	6.138	(0.814)	169127	72.7710	2425.7	REV
9 Pentachloroethane	117	7.133	7.147	(0.946)	96974	69.0998	2303.3	REV
10 Aniline	93	7.128	7.147	(0.946)	349635	52.0971	1736.6	REV
11 bis(2-Chloroethyl)ether	93	7.187	7.201	(0.953)	350302	74.4026	2480.1	REV
13 Phenol	94	7.079	7.088	(0.939)	386536	71.5525	2385.1	REV
14 2-Chlorophenol	128	7.295	7.309	(0.968)	308719	70.9788	2366.0	REV
15 1,3-Dichlorobenzene	146	7.489	7.509	(0.994)	341073	70.4467	2348.2	REV

MM 4-27-7

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042615.D Page 2
Report Date: 27-Apr-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
16 1,4-Dichlorobenzene	146	7.565	7.584	(1.004)	340023	71.8524	2395.1	REV
18 1,2-Dichlorobenzene	146	7.845	7.865	(1.041)	306717	67.7813	2259.4	REV
19 Benzyl Alcohol	108	7.764	7.784	(1.030)	224068	78.6262	2620.9	REV
20 bis(2-Chloroisopropyl)ether	45	7.970	7.989	(1.057)	444788	69.2196	2307.3	REV
21 2-Methylphenol	108	7.943	7.957	(1.054)	292875	73.3952	2446.5	REV
22 Acetophenone	105	8.169	8.194	(1.084)	376238	69.0480	2301.6	REV
23 N-Nitroso-di-n-propylamine	70	8.196	8.221	(1.087)	207398	66.4916	2216.4	REV
24 N-Nitrosopyrrolidine	100	8.191	8.216	(1.087)	149120	72.5252	2417.5	REV
25 3-(and/or 4-)Methylphenol	108	8.153	8.183	(1.082)	272990	73.4101	2447.0	REV
28 Hexachloroethane	117	8.299	8.318	(1.101)	115649	68.7357	2291.2	REV
30 Nitrobenzene	77	8.439	8.464	(0.890)	325967	71.8355	2394.5	REV
31 N-Nitrosopiperidine	114	8.676	8.696	(0.915)	163697	82.4840	2749.5	REV
32 Isophorone	82	8.779	8.798	(0.926)	600959	76.3117	2543.7	REV
33 2-Nitrophenol	139	8.925	8.944	(0.941)	176226	90.6308	3021.0	REV
34 2,4-Dimethyphenol	107	8.946	8.971	(0.944)	279176	73.2879	2442.9	REV
35 Bis(2-chloroethoxy)methane	93	9.092	9.117	(0.959)	335005	76.1895	2539.6	REV
36 2,4-Dichlorophenol	162	9.275	9.300	(0.978)	256306	85.5566	2851.9	REV
38 1,2,4-Trichlorobenzene	180	9.405	9.430	(0.992)	264524	79.0571	2635.2	REV
39 Benzoic Acid	122	9.146	9.165	(0.965)	90480	58.0808	1936.0	REV
41 Naphthalene	128	9.513	9.537	(1.003)	795319	74.3197	2477.3	REV
42 4-Chloroaniline	127	9.621	9.645	(1.015)	243313	56.5777	1885.9	REV
43 2,6-Dichlorophenol	162	9.631	9.656	(1.016)	245069	83.7246	2790.8	REV
44 Hexachloropropene	213	9.685	9.710	(1.022)	167722	83.7017	2790.0	REV
45 Hexachlorobutadiene	225	9.761	9.791	(1.030)	141954	77.1781	2572.6	REV
46 N-Nitroso-di-n-butylamine	84	10.138	10.163	(1.069)	191441	78.2771	2609.2	REV
47 4-Chloro-3-Methylphenol	107	10.360	10.385	(1.093)	253356	78.4640	2615.5	REV
49 2-Methylnaphthalene	142	10.581	10.611	(1.116)	546371	77.8371	2594.6	REV
50 Hexachlorocyclopentadiene	237	10.932	10.956	(0.890)	88999	57.2180	1907.3	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.915	10.940	(0.889)	247260	82.8909	2763.0	REV
52 2,4,6-Trichlorophenol	196	11.072	11.097	(0.902)	172746	85.4896	2849.6	REV
53 2,4,5-Trichlorphenol	196	11.142	11.167	(0.907)	186455	84.2369	2807.9	REV
55 2-Chloronaphthalene	127	11.363	11.388	(0.925)	190705	78.3092	2610.3	REV
57 2-Nitroaniline	65	11.584	11.609	(0.943)	175412	81.0943	2703.1	REV
59 Dimethylphthalate	163	11.887	11.917	(0.968)	641764	88.3820	2946.1	REV
60 2,6-Dinitrotoluene	165	12.021	12.046	(0.979)	156862	88.3195	2944.0	REV
62 Acenaphthylene	152	12.043	12.068	(0.981)	810121	77.3470	2578.2	REV
63 3-Nitroaniline	138	12.254	12.278	(0.998)	144896	73.1979	2439.9	REV
65 Acenaphthene	153	12.334	12.365	(1.004)	484521	80.2137	2673.8	REV
66 2,4-Dinitrophenol	184	12.410	12.440	(1.011)	57488	65.1301	2171.0	REV
67 Dibenzofuran	168	12.583	12.607	(1.025)	737745	84.3086	2810.3	REV
68 4-Nitrophenol	109	12.518	12.548	(1.019)	80191	81.4961	2716.5	REV
69 Pentachlorobenzene	250	12.620	12.651	(1.028)	207977	88.0073	2933.6	REV
70 2,4-Dinitrotoluene	165	12.647	12.678	(1.030)	220657	97.3497	3245.0	REV
72 2,3,4,6-tetrachlorophenol	232	12.852	12.883	(1.047)	161286	99.6149	3320.5	REV
74 Diethylphthalate	149	13.009	13.034	(1.059)	622588	86.4805	2882.7	REV
75 4-Chlorophenyl-phenylether	204	13.111	13.142	(1.068)	296031	87.5628	2918.8	REV
76 Fluorene	166	13.138	13.163	(1.070)	593562	83.2021	2773.4	REV
78 4,6-Dinitro-2-methylphenol	198	13.306	13.330	(0.909)	111181	88.1628	2938.8(Q)	REV
79 4-Nitroaniline	138	13.257	13.282	(1.080)	168329	84.2080	2806.9(H)	REV
80 N-Nitrosodiphenylamine/DPA	169	13.327	13.352	(1.085)	457336	74.2871	2476.2	REV
81 Azobenzene	77	13.370	13.395	(0.913)	589838	73.5527	2451.8	REV
84 4-Bromophenyl-phenylether	248	13.894	13.924	(0.949)	176894	89.0932	2969.8	REV
87 Hexachlorobenzene	284	14.153	14.178	(0.967)	177135	86.6212	2887.4	REV
90 Pentachlorophenol	266	14.439	14.469	(0.986)	121914	94.8567	3161.9	REV

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042615.D Page 3
Report Date: 27-Apr-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
94 Phenanthrene	178	14.681	14.712	(1.003)	885996	82.5761	2752.5	REV
95 Anthracene	178	14.752	14.787	(1.008)	892968	80.2376	2674.6	REV
96 Dinoseb	211	14.708	14.739	(1.005)	156882	96.0210	3200.7(H)	REV
97 Carbazole	167	15.021	15.046	(1.026)	880774	80.4352	2681.2	REV
98 Di-n-Butylphthalate	149	15.588	15.613	(1.065)	1001100	78.5274	2617.6	REV
102 Fluoranthene	202	16.608	16.633	(1.135)	992131	82.1028	2736.8	REV
103 Benzidine	184	16.802	16.838	(0.888)	97996	18.0903	603.01	REV
104 Pyrene	202	16.975	16.999	(0.897)	1020119	87.5759	2919.2	REV
110 Butylbenzylphthalate	149	18.000	18.030	(0.951)	453598	90.3443	3011.5	REV
112 3,3'-Dichlorobenzidine	252	18.863	18.893	(0.997)	282448	71.0573	2368.6	REV
113 Benzo(a)anthracene	228	18.890	18.894	(0.998)	824862	80.3393	2678.0	REV
115 bis(2-Ethylhexyl)phthalate	149	18.906	18.931	(0.999)	494402	74.9090	2497.0	REV
116 Chrysene	228	18.971	18.996	(1.003)	863421	87.8488	2928.3	REV
117 Di-n-octylphthalate	149	19.829	19.859	(0.937)	1019622	85.8819	2862.7	REV
119 Benzo(b)fluoranthene	252	20.557	20.587	(0.972)	896537	79.4879	2649.6	REV
120 Benzo(k)fluoranthene	252	20.590	20.631	(0.973)	907330	83.4401	2781.3	REV
121 Benzo(a)pyrene	252	21.075	21.111	(0.996)	812371	83.1081	2770.3	REV
125 Indeno(1,2,3-cd)pyrene	276	23.158	23.215	(1.095)	744044	75.6748	2522.5	REV
126 Dibenz(a,h)anthracene	278	23.163	23.215	(1.095)	606946	72.8982	2429.9	REV
127 Benzo(g,h,i)perylene	276	23.730	23.787	(1.122)	619750	78.2272	2607.6	REV
146 Biphenyl	154	11.331	11.323	(0.923)	642665	82.8142	2760.5	REV
149 Diphenyl ether	170	11.498	11.496	(0.936)	356674	86.3143	2877.1	REV

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042615.D

Date : 26-APR-2007 16:35

Client ID: I7D210000-144

Sample Info: JVFLD1ADL;I7D210000-144;1;0;;2;;30.0;1000

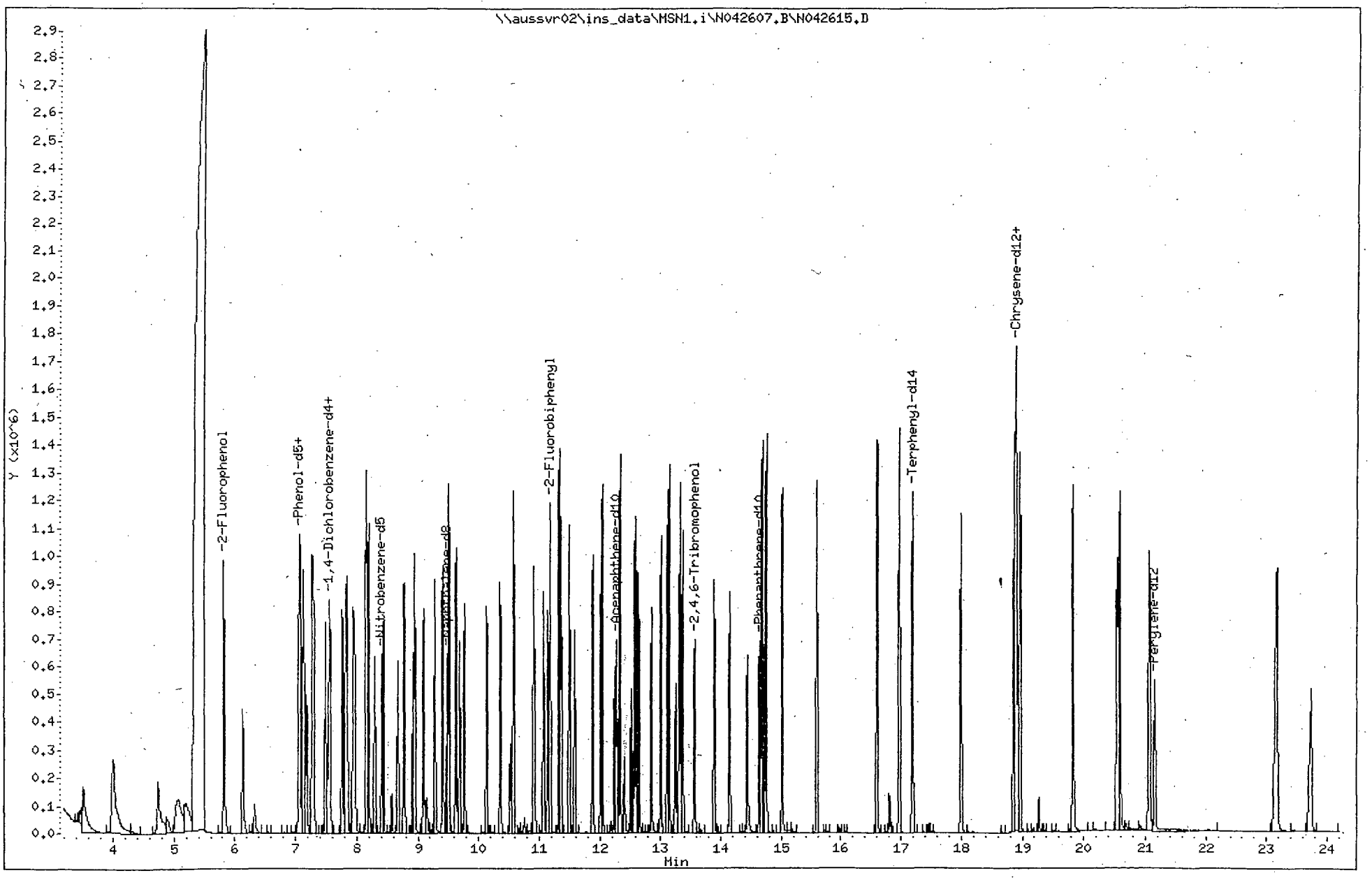
Volume Injected (uL): 0.5

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042616.D Page 1
Report Date: 27-Apr-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042616.D
Lab Smp Id: JTR4J1A1 Client Smp ID: BSS-8-EPA
Inj Date : 26-APR-2007 17:05
Operator : malloym Inst ID: MSN1.i
Smp Info : JTR4J1A1;I7D120264-05;1;0;;2;;30.03;1000
Misc Info : ;2-HSLB.sub; IS STD SMINTSTDW00002; 7111144
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 09:13 malloym Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLB.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Ws	30.030	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.535	7.529	(1.000)	121493	40.0000		REV
* 40 Naphthalene-d8	136	9.472	9.471	(1.000)	434016	40.0000		REV
* 64 Acenaphthene-d10	164	12.272	12.272	(1.000)	229190	40.0000		REV
* 93 Phenanthrene-d10	188	14.636	14.640	(1.000)	405409	40.0000		REV
* 114 Chrysene-d12	240	18.909	18.908	(1.000)	394311	40.0000		REV
* 122 Perylene-d12	264	21.148	21.147	(1.000)	327049	40.0000		REV
$ 6 2-Fluorophenol	112	5.814	5.798	(0.772)	459762	100.768	3355.6	REV
$ 12 Phenol-d5	99	7.055	7.072	(0.936)	540085	103.303	3440.0	REV
$ 82 2,4,6-Tribromophenol	330	13.557	13.595	(0.926)	100412	125.184	4168.6	REV
$ 29 Nitrobenzene-d5	82	8.404	8.437	(0.887)	306273	71.9014	2394.3	REV
$ 54 2-Fluorobiphenyl	172	11.177	11.210	(0.911)	544890	76.3358	2542.0	REV
$ 105 Terphenyl-d14	244	17.193	17.221	(0.909)	661569	82.4128	2744.3	REV
39 Benzoic Acid	122	9.057	9.165	(0.956)	1662	8.52440	283.86(aH)	REV
146 Biphenyl	154	11.317	11.323	(0.922)	1131	0.14533	4.8395(a)	REV

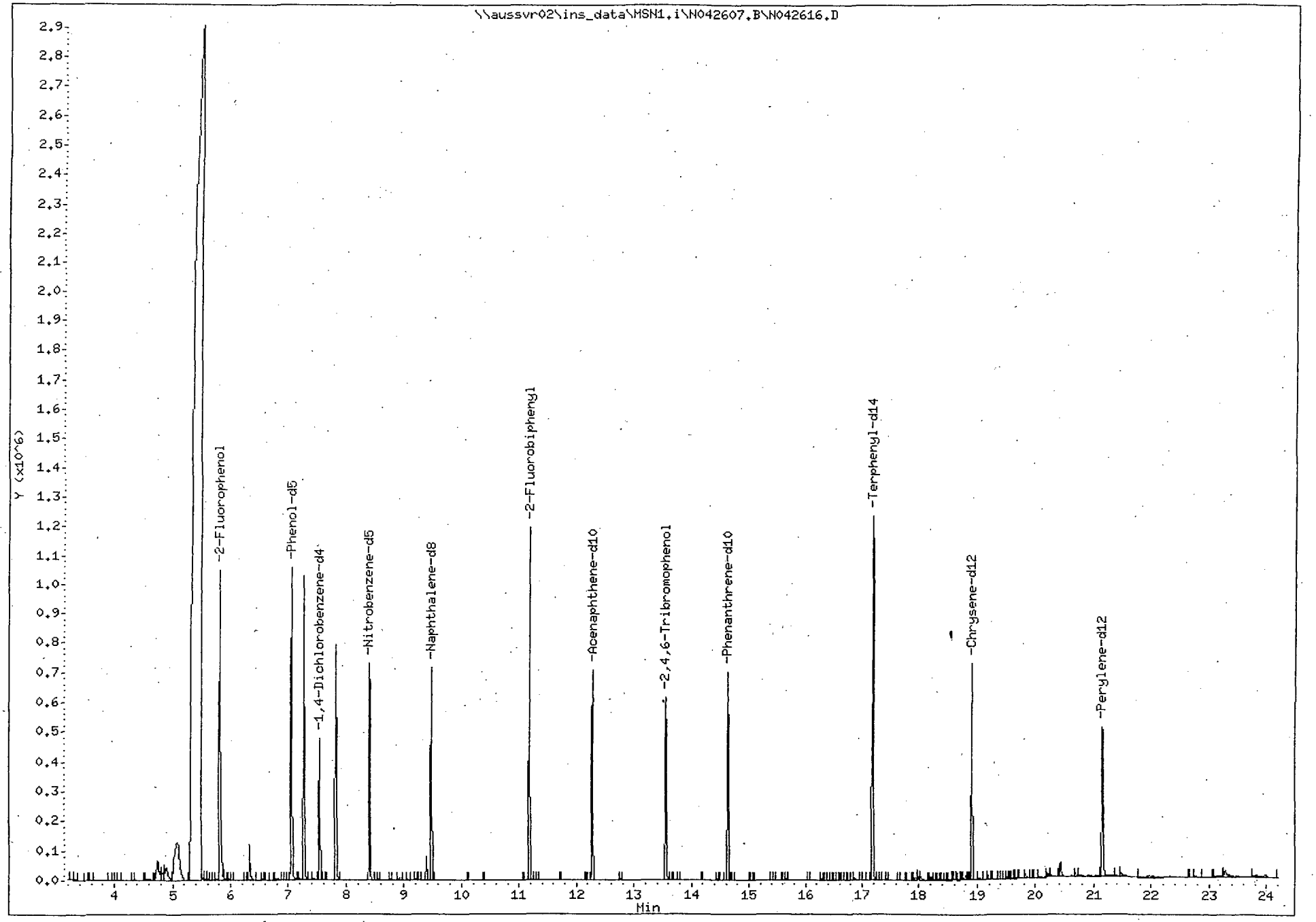
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

4-27-7

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042616.D
Date : 26-APR-2007 17:05

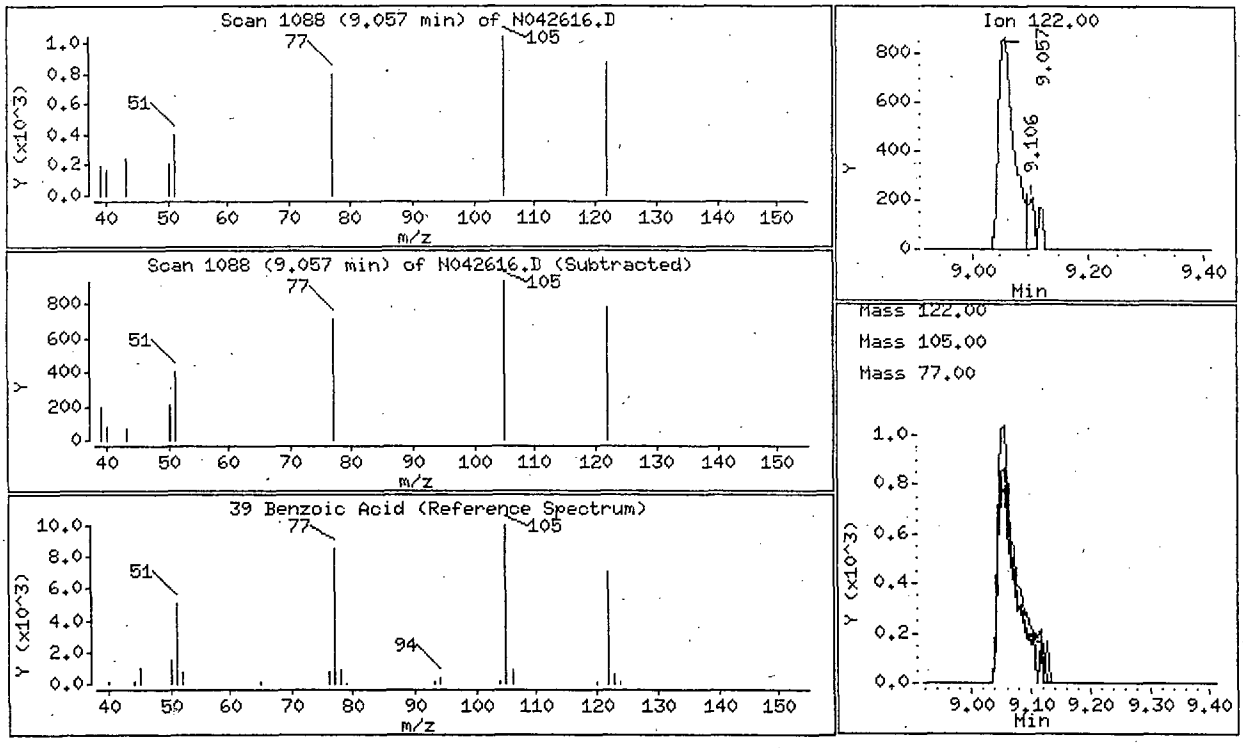
Sample Info: JTR4J1A1;I7D120264-05;1;0;;2;;30.03;1000



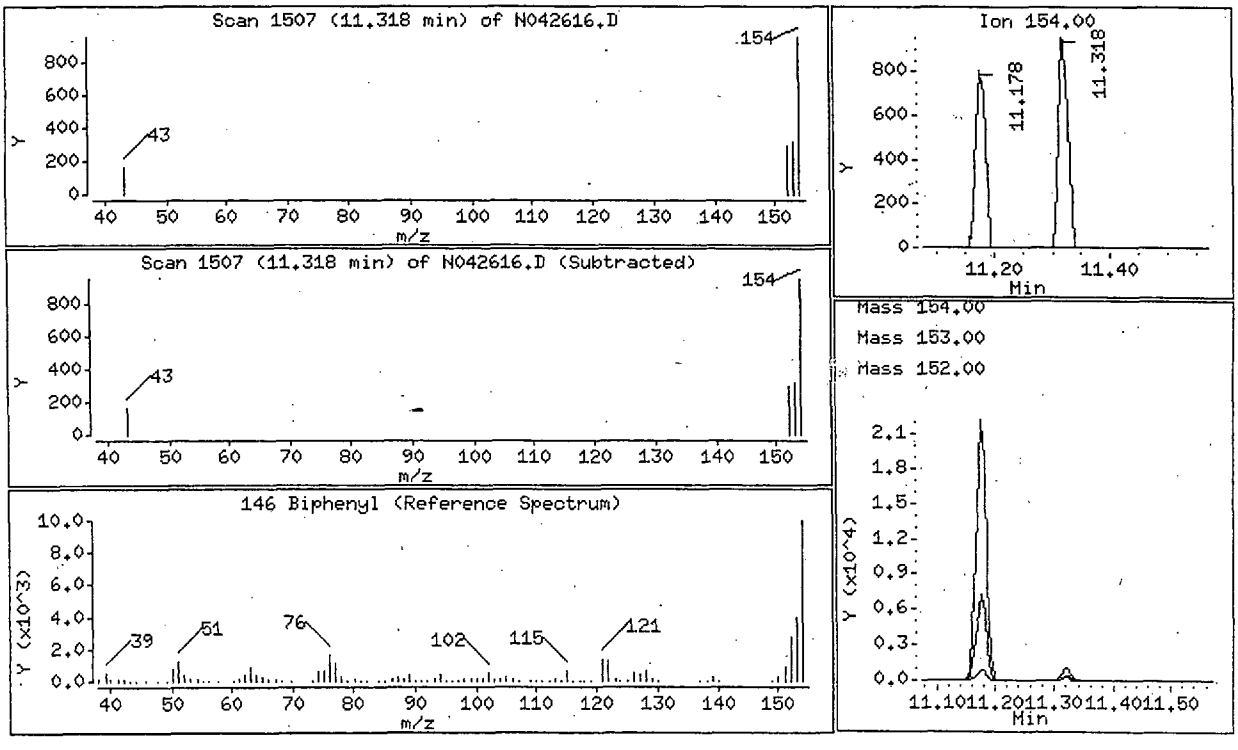
Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042616.D Page 3

Date : 26-APR-2007 17:05 Sample Info: JTR4J1A1;I7D120264-05;1;0;;2;;30.03;1000

39 Benzoic Acid Concentration: 283.86 ug/Kg



146 Biphenyl Concentration: 4.8395 ug/Kg



Calibration Data

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Last Edit : 13-Mar-2007 08:55 MSN1.i

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D
Level 2: \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D
Level 3: \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D
Level 4: \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D
Level 5: \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D
Level 6: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D
Level 7: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Pyridine	1.85845	2.13443	1.98823	1.91494	1.84159	1.80484					
	1.80173						AVRG		1.90632		6.29978
2 N-Nitrosodimethylamine	1.03475	1.17412	1.09593	1.06154	1.02987	1.03240					
	1.02078						AVRG		1.06420		5.15231
3 2-Picoline	1.93104	2.19478	2.03876	1.97457	1.92475	1.92621					
	1.91009						AVRG		1.98574		5.14432
4 N-Nitrosomethylethylamine	0.84966	0.97058	0.91078	0.88833	0.86821	0.87363					
	0.86483						AVRG		0.88943		4.57394

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STL Austin

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Last Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Methyl methanesulfonate	0.89051	1.00173	0.92203	0.88458	0.84126	0.84255					
	0.81564						AVRG		0.88547		7.07575
7 N-Nitrosodiethylamine	0.77988	0.88471	0.83075	0.80735	0.78265	0.79097					
	0.77587						AVRG		0.80746		4.83804
8 Ethyl methanesulfonate	1.15537	1.28964	1.21624	1.18795	1.15366	1.18012					
	1.14750						AVRG		1.19007		4.20754
9 Pentachloroethane	0.50084	0.56101	0.51558	0.48793	0.46053	0.44790					
	0.43924						AVRG		0.48758		8.77928
10 Aniline	2.40545	2.67989	2.46739	2.35022	2.21109	2.14983					
	2.05775						AVRG		2.33166		9.06585
11 bis(2-Chloroethyl)ether	1.57178	1.79711	1.64150	1.60602	1.56634	1.65255					
	1.61498						AVRG		1.63575		4.77323
13 Phenol	1.97280	2.19288	1.96439	1.85742	1.75591	1.73454					
	1.66001						AVRG		1.87685		9.70379

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Chlorophenol	1.49995	1.71073	1.56986	1.50295	1.44345	1.45106					
	1.39983						AVRG		1.51112		6.83781
15 1,3-Dichlorobenzene	1.76587	1.95954	1.76475	1.67169	1.57942	1.53476					
	1.49864						AVRG		1.68210		9.61179
16 1,4-Dichlorobenzene	1.73710	1.92356	1.73221	1.63501	1.53935	1.49141					
	1.45011						AVRG		1.64411		10.13249
18 1,2-Dichlorobenzene	1.64371	1.83711	1.65410	1.56765	1.47128	1.43493					
	1.39621						AVRG		1.57214		9.78591
19 Benzyl Alcohol	0.95295	1.09426	1.02338	0.98856	0.95559	0.97405					
	0.94188						AVRG		0.99009		5.39426
20 bis(2-Chloroisopropyl)ether	2.31315	2.53298	2.32402	2.23001	2.11431	2.09588					
	2.01703						AVRG		2.23248		7.84922
21 2-Methylphenol	1.39278	1.55350	1.42869	1.38216	1.31858	1.34064					
	1.28821						AVRG		1.38637		6.32295

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetophenone	1.96261	2.13696	2.00188	1.93356	1.81675	1.75725					
	1.64276						AVRG		1.89311		8.75240
23 N-Nitroso-di-n-propylamine	1.10562	1.20690	1.11628	1.07114	1.03023	1.04847					
	1.00714						AVRG		1.08368		6.17185
24 N-Nitrosopyrrolidine	0.70429	0.77592	0.72800	0.71519	0.69604	0.70947					
	0.67154						AVRG		0.71435		4.52537
25 3-(and/or 4-)Methylphenol	1.41750	1.54357	1.37934	1.28865	1.18118	1.15538					
	1.07822						AVRG		1.29198		12.77035
27 o-Toluidine	2.27305	2.51813	2.31186	2.20461	2.08168	2.05949					
	1.92980						AVRG		2.19695		8.82941
28 Hexachloroethane	0.58145	0.65694	0.61090	0.58700	0.56014	0.55244					
	0.54300						AVRG		0.58455		6.73636
30 Nitrobenzene	0.42909	0.48929	0.44446	0.42260	0.40032	0.38918					
	0.38325						AVRG		0.42260		8.71006

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 N-Nitrosopiperidine	0.18363	0.20933	0.19349	0.18556	0.17707	0.17431					
	0.17040						AVRG		0.18483		7.17848
32 Isophorone	0.76751	0.85462	0.76798	0.73164	0.68198	0.67422					
	0.65595						AVRG		0.73341		9.51194
33 2-Nitrophenol	0.17426	0.20651	0.19036	0.18302	0.17395	0.17081					
	0.16871						AVRG		0.18109		7.45038
34 2,4-Dimethyphenol	0.38795	0.42852	0.37889	0.35287	0.32455	0.31316					
	0.29741						AVRG		0.35477		13.15118
35 Bis(2-chloroethoxy)methane	0.42521	0.47567	0.42865	0.40767	0.38416	0.37748					
	0.36766						AVRG		0.40950		9.14463
36 2,4-Dichlorophenol	0.28545	0.32853	0.29730	0.28275	0.26241	0.25360					
	0.24296						AVRG		0.27900		10.41149
38 1,2,4-Trichlorobenzene	0.33370	0.37053	0.32783	0.30853	0.29004	0.27648					
	0.27422						AVRG		0.31162		11.21611

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Benzoic Acid	8077	23224	73089	113435	175436	238939					
	294548						WLINR	0.19017	0.16695		0.99310
41 Naphthalene	1.10679	1.21708	1.05462	0.98659	0.90549	0.86488					
	0.84096						AVRG		0.99663		13.83622
42 4-Chloroaniline	0.42338	0.48352	0.43423	0.40722	0.37075	0.35434					
	0.33015						AVRG		0.40051		13.11765
43 2,6-Dichlorophenol	0.28956	0.32610	0.29232	0.27213	0.25385	0.24207					
	0.23220						AVRG		0.27260		12.03168
44 Hexachloropropene	0.16931	0.20553	0.19920	0.19297	0.18449	0.17776					
	0.17707						AVRG		0.18662		7.02056
45 Hexachlorobutadiene	0.18516	0.20636	0.18074	0.16951	0.15804	0.15054					
	0.14873						AVRG		0.17130		12.22227
46 N-Nitroso-di-n-butylamine	0.22526	0.25865	0.24092	0.23217	0.21838	0.21213					
	0.20688						AVRG		0.22777		7.85710

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Chloro-3-Methylphenol	0.29042	0.33551	0.32247	0.31030	0.29098	0.28114					
	0.27419						AVRG		0.30072		7.51442
48 Safrole	0.26317	0.29647	0.26910	0.25753	0.24123	0.23425					
	0.22802						AVRG		0.25568		9.22304
49 2-Methylnaphthalene	0.70676	0.78028	0.68528	0.65131	0.60579	0.58388					
	0.56280						AVRG		0.65373		11.72880
50 Hexachlorocyclopentadiene	0.22621	0.29674	0.29744	0.28978	0.27426	0.26611					
	0.25509						AVRG		0.27223		9.48112
51 1,2,4,5-Tetrachlorobenzene	0.58473	0.63790	0.53512	0.50726	0.47866	0.46043					
	0.45046						AVRG		0.52208		13.21134
52 2,4,6-Trichlorophenol	0.35181	0.40972	0.37392	0.35754	0.33736	0.32612					
	0.31916						AVRG		0.35366		8.78075
53 2,4,5-Trichlorphenol	0.38616	0.45583	0.40681	0.38957	0.36617	0.35745					
	0.34982						AVRG		0.38740		9.32199

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
55 2-Chloronaphthalene	0.46364	0.51304	0.44295	0.42135	0.39598	0.37839					
	0.36823						AVRG		0.42623		12.04160
56 Isosafrole	0.51741	0.58752	0.52327	0.49522	0.46692	0.44921					
	0.43461						AVRG		0.49631		10.52826
57 2-Nitroaniline	0.33633	0.41667	0.39136	0.38301	0.37579	0.37521					
	0.37170						AVRG		0.37858		6.36655
58 1,4-Naphthoquinone	0.44052	0.54154	0.49144	0.47565	0.43924	0.42633					
	0.41334						AVRG		0.46115		9.69541
59 Dimethylphthalate	1.27676	1.45153	1.31557	1.25363	1.21521	1.20414					
	1.17926						AVRG		1.27087		7.24827
60 2,6-Dinitrotoluene	0.28661	0.34487	0.32211	0.31652	0.30679	0.30302					
	0.29604						AVRG		0.31085		6.16150
61 1,3-Dinitrobenzene	0.16533	0.21632	0.22851	0.22980	0.23057	0.23438					
	0.23250						AVRG		0.21963		11.22190

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Acenaphthylene	2.01711	2.23648	1.94114	1.81805	1.67118	1.60002					
	1.54804						AVRG		1.83314		13.55163
63 3-Nitroaniline	0.31088	0.37136	0.36352	0.35358	0.34549	0.34512					
	0.33523						AVRG		0.34646		5.72046
65 Acenaphthene	1.15987	1.28309	1.11129	1.03978	0.96917	0.93299					
	0.90417						AVRG		1.05719		12.88834
66 2,4-Dinitrophenol	3122	11304	40642	64548	99281	135785					
	162040						WLINR	0.19401	0.17538		0.99487
67 Dibenzofuran	1.65325	1.83504	1.60792	1.50456	1.41359	1.36956					
	1.33675						AVRG		1.53153		11.66754
68 4-Nitrophenol	0.12964	0.17819	0.18066	0.17844	0.17898	0.18039					
	0.17924						AVRG		0.17222		10.91603
69 Pentachlorobenzene	0.45075	0.49639	0.42575	0.40112	0.37833	0.37339					
	0.36952						AVRG		0.41361		11.40078

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
70 2,4-Dinitrotoluene	0.33863	0.42578	0.41256	0.40563	0.39952	0.40045					
	0.39440						AVRG		0.39671		6.96188
72 2,3,4,6-tetrachlorophenol	0.26868	0.32004	0.29017	0.27927	0.27522	0.27590					
	0.27435						AVRG		0.28338		6.15779
74 Diethylphthalate	1.25323	1.44809	1.31331	1.25255	1.20442	1.19114					
	1.15729						AVRG		1.26001		7.71528
75 4-Chlorophenyl-phenylether	0.62476	0.69318	0.60826	0.57929	0.55528	0.54596					
	0.53522						AVRG		0.59171		9.36601
76 Fluorene	1.35668	1.48966	1.29404	1.21193	1.16343	1.12895					
	1.09549						AVRG		1.24860		11.24176
77 5-Nitro-o-toluidine	0.35002	0.43302	0.40849	0.39660	0.38398	0.38231					
	0.36953						AVRG		0.38914		6.91435
78 4,6-Dinitro-2-methylphenol	6737	21528	63165	94315	134438	171171					
	194192						WLINR	0.10042	0.12086		0.99895

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 4-Nitroaniline	0.32417	0.38798	0.35990	0.35319	0.34172	0.34697					
	0.33510						AVRG		0.34986		5.85481
80 N-Nitrosodiphenylamine/DPA	1.13270	1.26140	1.14025	1.07674	1.01161	0.97545					
	0.94426						AVRG		1.07749		10.25899
81 Azobenzene	0.78488	0.86763	0.77327	0.72660	0.68484	0.65409					
	0.64341						AVRG		0.73353		10.99790
83 Diallate #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
84 4-Bromophenyl-phenylether	0.19338	0.21053	0.19025	0.18082	0.17066	0.16464					
	0.16102						AVRG		0.18162		9.75116
85 Phenacetin	0.36764	0.42061	0.37822	0.35716	0.33809	0.31082					
	0.29376						AVRG		0.35233		12.12285
86 Diallate #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

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Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
87 Hexachlorobenzene	0.19966	0.21855	0.19498	0.18176	0.17411	0.17025					
	0.17007						AVRG		0.18705		9.71122
88 1,3,5-Trinitrobenzene	10946	31310	90912	138583	198224	251158					
	289279						WLINR	0.09499	0.17754		0.99955
90 Pentachlorophenol	0.10002	0.12683	0.12243	0.11860	0.11735	0.11837					
	0.11933						AVRG		0.11756		7.13614
91 Pronamide	0.32898	0.36620	0.30953	0.28473	0.26340	0.25121					
	+++++						AVRG		0.30068		14.31611
92 Pentachloronitrobenzene	0.03329	0.03980	0.03539	0.03366	0.03194	0.03118					
	0.03154						AVRG		0.03383		8.88280
94 Phenanthrene	1.10687	1.21606	1.03886	0.95329	0.88638	0.84321					
	0.82539						AVRG		0.98144		14.84527
95 Anthracene	1.13095	1.25027	1.07623	0.98861	0.92325	0.88840					
	0.86820						AVRG		1.01799		13.84438

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Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Last Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
96 Dinoseb	9657	28617	81442	120438	169227	219917					
	+++++						WLINR	0.08827	0.15515		0.99925
97 Carbazole	1.10520	1.20925	1.02859	0.95224	0.88076	0.83368					
	+++++						AVRG		1.00162		14.10623
98 Di-n-Butylphthalate	1.27568	1.40834	1.20814	1.11277	1.02645	0.96530					
	+++++						AVRG		1.16611		14.09742
101 Isodrin	0.12654	0.13752	0.12096	0.11204	0.10470	0.10129					
	0.09931						AVRG		0.11462		12.45886
102 Fluoranthene	1.22988	1.33719	1.12926	1.04117	0.96673	0.92780					
	+++++						AVRG		1.10534		14.28679
103 Benzidine	0.50507	0.64814	0.67616	0.65980	0.59049	0.58319					
	0.52987						AVRG		0.59896		10.98782
104 Pyrene	1.41713	1.53906	1.33889	1.26875	1.18001	1.14972					
	1.12214						AVRG		1.28796		11.90074

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Last Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
106 4-Dimethylaminoazobenzene	0.37908	0.43380	0.38883	0.36907	0.34279	0.33460					
	0.32020						AVRG		0.36691		10.50591
107 Chlorobenzilate	0.34542	0.39414	0.35613	0.34324	0.32117	0.31846					
	0.31321						AVRG		0.34168		8.23246
109 3,3'-Dimethylbenzidine	0.72416	0.86767	0.75865	0.67069	0.57828	+++++					
	+++++						AVRG		0.71989		14.86978
110 Butylbenzylphthalate	0.62737	0.68270	0.58693	0.54626	0.49847	0.47807					
	0.46621						AVRG		0.55514		14.64116
111 2-Acetylaminofluorene	0.48906	0.58702	0.55851	0.53612	0.50822	0.50318					
	0.49952						AVRG		0.52594		6.84899
112 3,3'-Dichlorobenzidine	0.44639	0.51836	0.46650	0.44335	0.41236	0.40206					
	0.38754						AVRG		0.43951		10.11066
113 Benzo(a)anthracene	1.28371	1.34651	1.15863	1.10226	1.03593	1.02226					
	0.99742						AVRG		1.13524		11.92359

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Last Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
115 bis(2-Ethylhexyl)phthalate	0.81762	0.88073	0.75571	0.69842	0.62794	0.59816					
	+++++						AVRG		0.72976		14.99277
116 Chrysene	1.15750	1.27711	1.12849	1.07123	1.01072	0.98860					
	0.97347						AVRG		1.08673		10.04321
117 Di-n-octylphthalate	1.48488	1.66238	1.52247	1.43154	1.31244	1.28026					
	1.22249						AVRG		1.41664		10.92113
118 7,12-Dimethylbenz(a)anthracen	0.53033	0.62617	0.54735	0.52472	0.49982	0.49835					
	0.48884						AVRG		0.53080		8.82986
119 Benzo(b)fluoranthene	1.40341	1.51320	1.33378	1.26431	1.25472	1.30890					
	1.34246						AVRG		1.34582		6.63192
120 Benzo(k)fluoranthene	1.43285	1.52258	1.34005	1.26874	1.15211	1.06875					
	+++++						AVRG		1.29751		13.12840
121 Benzo(a)pyrene	1.21735	1.33563	1.20606	1.14593	1.09962	1.08742					
	1.07250						AVRG		1.16636		8.03849

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Last Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
123 3-MethylCholanthrene	0.64406	0.71921	0.65185	0.62262	0.59689	0.58975					
	0.58808						AVRG		0.63035		7.42994
125 Indeno(1,2,3-cd)pyrene	1.24324	1.39143	1.24140	1.17281	1.10699	1.04912					
	1.00735						AVRG		1.17319		11.24706
126 Dibenz(a,h)anthracene	1.03119	1.16578	1.05366	0.99003	0.94326	0.89800					
	0.87237						AVRG		0.99347		10.15347
127 Benzo(g,h,i)perylene	0.99815	1.15996	1.03374	0.96564	0.88648	0.81310					
	0.76019						AVRG		0.94532		14.47277
M 176 Diallate (total)	0.13862	0.15219	0.14034	0.13373	0.12932	0.12612					
	0.12438						AVRG		0.13496		7.17561
$ 6 2-Fluorophenol	1.52034	1.73656	1.57709	1.50420	1.42431	1.40187					
	1.35077						AVRG		1.50216		8.59134

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Last Edit : 13-Mar-2007 08:55 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 12 Phenol-d5	1.82139	2.01178	1.78621	1.69257	1.59918	1.59775					
	1.54028						AVRG		1.72131		9.55719
$ 82 2,4,6-Tribromophenol	0.07891	0.08906	0.08138	0.07774	0.07611	0.07516					
	0.07563						AVRG		0.07914		6.16508
$ 29 Nitrobenzene-d5	0.38343	0.44346	0.40792	0.39563	0.37886	0.37024					
	0.36851						AVRG		0.39258		6.72686
$ 54 2-Fluorobiphenyl	1.39962	1.52419	1.30413	1.22193	1.13013	1.08240					
	1.05814						AVRG		1.24579		13.91984
$ 105 Terphenyl-d14	0.86915	0.95862	0.84579	0.79844	0.75662	0.74430					
	0.72740						AVRG		0.81433		10.13382

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Last Edit : 13-Mar-2007 08:55 MSN1.i

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Wt Linear	Amt = b + Rsp/ml	Response

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D
Level 2: \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D
Level 3: \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D
Level 4: \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D
Level 5: \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D
Level 6: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D
Level 7: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
26 N-Nitrosomorpholine	0.91277	0.90507	0.83875	0.84591	0.82439	0.80354					
	0.77228						AVRG		0.84324		6.05701
37 a,a-Dimethylphenethylamine	0.90137	0.99084	0.96377	0.96152	0.93067	0.90555					
	0.87073						AVRG		0.93206		4.53847
71 1-Naphthylamine	1.30971	1.31883	1.20289	1.15121	1.13699	1.08097					
	0.83924						AVRG		1.14855		14.14228
73 2-Naphthylamine	1.28141	1.30224	1.19211	1.11365	1.07478	1.04091					
	+++++						AVRG		1.16752		9.32441

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STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 4-Aminobiphenyl	0.86834	0.88844	0.80696	0.79942	0.77123	0.74978					
	0.72885						AVRG		0.80186		7.36517
99 4-Nitroquinoline-1-oxide	+++++	8359	29584	48088	63800	78427					
	87764						WLINR	0.21725	0.06360		0.99614
100 Methapyrilene	63172	109166	207100	283598	346913	402132					
	+++++						WLINR	-0.22390	0.29836		0.99363
128 1,4-Dioxane	0.73934	0.74069	0.70009	0.70902	0.70321	0.68675					
	0.68020						AVRG		0.70847		3.34046
129 2-Ethoxyethanol	1.02647	1.02640	0.96071	0.97601	0.97304	0.95094					
	0.93936						AVRG		0.97899		3.54773
130 N,N-Dimethylformamide	1.29534	1.30150	1.21962	1.24411	1.23492	1.20597					
	1.19246						AVRG		1.24199		3.39899
131 Propyl cellosolve	1.96141	1.96188	1.81061	1.83266	1.81768	1.77263					
	1.73796						AVRG		1.84212		4.74965

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvrq2\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
132 Acrylamide	0.47042	0.49719	0.48211	0.49256	0.49191	0.48504					
	0.48105						AVRG		0.48575		1.85304
136 o,o,o-Triethylphosphorothioat	0.17945	0.18476	0.16438	0.16228	0.15337	0.14930					
	0.14231						AVRG		0.16226		9.58349
137 o-Nitrotoluene	0.20634	0.20981	0.19629	0.19514	0.18905	0.18512					
	0.17934						AVRG		0.19444		5.65637
138 m-Nitrotoluene	0.19101	0.19860	0.18849	0.19103	0.18519	0.18184					
	0.17476						AVRG		0.18727		4.06871
139 p-Nitrotoluene	0.18357	0.18991	0.17989	0.18183	0.17668	0.17371					
	0.16761						AVRG		0.17903		4.02601
142 p-Phenylenediamine	0.30429	0.40013	0.38481	0.37922	0.36182	0.34916					
	0.33221						AVRG		0.35880		9.23117
143 1-Methylnaphthalene	0.65382	0.64742	0.58517	0.57330	0.54013	0.52292					
	0.49655						AVRG		0.57419		10.45982

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
146 Biphenyl	1.59269	1.52960	1.29626	1.21354	1.15901	+++++					
	+++++						AVRG		1.35822		14.20054
147 2,4-Toluene diamine	+++++	0.36989	0.42727	0.46438	0.49380	0.50059					
	0.41776						AVRG		0.44561		11.23934
148 2,6-Toluene diamine	0.54246	0.51173	0.51224	0.54824	0.51387	0.51985					
	0.37872						AVRG		0.50387		11.34498
149 Diphenyl ether	0.83624	0.82345	0.72237	0.68168	0.65412	0.62155					
	+++++						AVRG		0.72323		12.31409
150 1,4-Dinitrobenzene	0.12550	0.15186	0.16267	0.16950	0.17854	0.17542					
	0.14054						AVRG		0.15772		12.35306
151 Dimethyl terephthalate	0.23498	0.23848	0.21704	0.20739	0.20577	0.19705					
	0.15367						AVRG		0.20777		13.63468
152 2,3-Dinitrotoluene	0.19836	0.20620	0.20296	0.20007	0.20166	0.19667					
	0.15728						AVRG		0.19474		8.63066

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 12-MAR-2007 19:00
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
153 2,3,5,6-Tetrachlorophenol	0.23381	0.24417	0.25620	0.25348	0.25869	0.25094					
	0.19958						AVRG		0.24241		8.52404
154 Thionazin	0.27972	0.28756	0.26501	0.25285	0.25219	0.23835					
	0.18606						AVRG		0.25168		13.31445
155 Sulfotepp	0.11745	0.11958	0.10782	0.10594	0.10174	0.09722					
	0.09369						AVRG		0.10621		9.14006
156 Phorate	0.49929	0.49504	0.45768	0.44381	0.52876	0.51023					
	0.48945						AVRG		0.48918		6.01613
157 Dimethoate	36963	72315	140861	192451	230184	+++++					
	+++++						WLINR	-0.13889	0.21530		0.99011
158 Disulfoton	0.43887	0.42857	0.36974	0.36380	0.35056	0.34183					
	0.32843						AVRG		0.37454		11.41524
159 Methyl parathion	0.20122	0.21887	0.19453	0.18843	0.17273	0.16206					
	0.14566						AVRG		0.18336		13.57753

STL Austin

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Start Cal Date : 12-MAR-2007 11:37
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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
160 Parathion	0.12723	0.14260	0.13269	0.13410	0.12985	0.12723					
	0.12166						AVRG		0.13077		5.06874
161 Aramite #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
162 Aramite #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
163 Famphur	+++++	+++++	+++++	0.00497	+++++	+++++					
	+++++						AVRG		0.00497		0.000e+000 <-
164 4,4-Methylenebis(2-chloroa	0.11023	0.11078	0.10223	0.10125	0.09804	0.09488					
	0.09374						AVRG		0.10159		6.70920
167 Dibenz(a,j)acridine	0.82720	0.87519	0.84936	0.86595	0.84160	0.81499					
	0.79293						AVRG		0.83818		3.43838
173 1-Methyl-2-pyrrolidone	0.91237	0.93208	0.87147	0.90454	0.90598	0.90149					
	0.89023						AVRG		0.90259		2.07436

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
M 177 Aramite (total)	0.15383	0.16157	0.15434	0.15244	0.14631	0.14022					
	0.13305						AVRG		0.14882		6.49295

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
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Quant Method : ISTD
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Method file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Last Edit : 13-Mar-2007 13:28 malloym

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Wt Linear	Amt = b + Rsp/ml	Response

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7C070000-398 LCS	
ICALs for HSL	
and APG	

Method Name/Type: M8270C

Instrument ID: MSN1

Analysis Date: 3/12/07

ICAL Date: 3/12/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
CLP only: surrogates and internal stds. labeled on chromatograms	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria			✓	N/A
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits	✓			✓
Quantified against appropriate standard	✓			✓
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			✓
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits			✓	✓
MS/MSD/DUPs RPD within limits			✓	✓
Other				
All nonconformances included and noted	✓			✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

LCS for additional compounds only. , reprinted data (bad copies) 3-22-07

Analyst: Mark Malloy *Mark Malloy* Date: 03/13/07 /03/22/07

2nd Review: [signature] BLW Date: 3/22/07

Sequence Name: D:\MSN1.I\SEQUENCE\N031207.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N031207.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	Tune 1	N031201A	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N031202	N031207M	Ccalib_4;HSL_75;;2;4;3;;;; SM
3	Sample	3	N031203	N031207M	Icalib_1;HSL_10;;1;1;3;;;; 06
4	Sample	4	N031204	N031207M	Icalib_2;HSL_20;;1;2;3;;;; 06
5	Sample	5	N031205	N031207M	Icalib_3;HSL_50;;1;3;3;;;; 06
6	Sample	6	N031206	N031207M	Icalib_4;HSL_75;;1;4;3;;;; 06
7	Sample	7	N031207	N031207M	Icalib_5;HSL_100;;1;5;3;;;; 0
8	Sample	8	N031208	N031207M	Icalib_6;HSL_120;;1;6;3;;;; 0
9	Sample	9	N031209	N031207M	Icalib_7;HSL_150;;1;7;3;;;; 0
10	Sample	10	N031210	N031207M	SSV_1;HSL_075;;0;0;3;;;; 06MS
11	Sample	11	N031211	N031207M	Icalib_1;APPIX_10;;1;1;3;;;;
12	Sample	12	N031212	N031207M	Icalib_2;APPIX_20;;1;2;3;;;;
13	Sample	13	N031213	N031207M	Icalib_3;APPIX_50;;1;3;3;;;;
14	Sample	14	N031214	N031207M	Icalib_4;APPIX_75;;1;4;3;;;;
15	Sample	15	N031215	N031207M	Icalib_5;APPIX_100;;1;5;3;;;;
16	Sample	16	N031216	N031207M	Icalib_6;APPIX_120;;1;6;3;;;;
17	Sample	17	N031217	N031207M	Icalib_7;APPIX_150;;1;7;3;;;;
18	Sample	18	N031218	N031207M	SSV_2;APPIX_050;;0;0;3;;;; 06
19	Sample	19	N031219	N031207M	SSV_3;ODD_050;;0;3;3;;;; 06MS
20	Sample	20	N031220	N031207M	JQLWK1AAB;I7C070000-398;1;0;;
21	Sample	21	N031221	N031207M	JQLWK1AEC;I7C070000-398;1;0;;
22	Sample	22	N031222	N031207M	JQLWK1AFC;I7C070000-398;1;0;;
23	Sample	23	N031223	N031207M	JQKR91AEC;I7C070000-195;1;0;;
24	Sample	24	N031224	N031207M	JQKR91AFL;I7C070000-195;1;0;;

INSTRUMENT GCMS-N1 (MSD4)
SHIFT (Circle): (1) 2 3
COMPUTER CLOCK DATE / TIME: ✓

ANALYST / DATE: Mark Malloy 3-12-07
METHOD / TEST: M 8270C
SOP #: AVS MS 0008

DAILY CHECK ✓	INSERT CHANGED ✓	SEPTA CHANGED	COLUMN CHANGED	AUTOSAMPLER MAINT.
M. PUMP OIL	TURBO OIL	FILAMENT CHANGE	OTHER	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTPP.U
Elect Mult. 1456 volts
Tuning Performance (circle one):
DFTPP Autotune Other

Sampling Rate 2^ 1
Scan Range 35 - 500 amu
Interface (circle one):
Direct Jet Separator Other

GC PROGRAM:

GC Meth. N031207.M
Inj. Temp. 270 C
Carrier Gas: Helium
Flow/Pressure 8-9.5 psi 1.5 mL

Initial Temp. 50 C
Init.Hold 2.00 min
Ramp 15 C/min
Final Temp. 370 C

Final Hold 5.0 min
Other Program or Special Conditions:

GC COLUMN:

Column ID#: MSID #262 (Circle one) Packed Capillary
Phases/Loadings: RTX MS #5 i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split Splitless pulsed

INSTRUMENT SEQUENCE:

Sample Name, Sample Number, Dilution, etc. Autosampler #

```
Sequence Name: D:\MSN1.I\SEQUENCE\N031207.S
      Comment:
     Operator: malloym
    Data Path: D:\MSN1.I\N031207.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run      On A Barcode Mismatch
 (X) Full Method              (X) Inject Anyway
 ( ) Reprocessing Only        ( ) Don't Inject
```

MM 3-12-07

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	N031201A	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N031202	N031207M	Ccalib_4;HSL_75;;2;4;3;;;; SM
3	Sample	3	N031203	N031207M	Icalib_1;HSL_10;;1;1;3;;;; 06
4	Sample	4	N031204	N031207M	Icalib_2;HSL_20;;1;2;3;;;; 06
5	Sample	5	N031205	N031207M	Icalib_3;HSL_50;;1;3;3;;;; 06
6	Sample	6	N031206	N031207M	Icalib_4;HSL_75;;1;4;3;;;; 06
7	Sample	7	N031207	N031207M	Icalib_5;HSL_100;;1;5;3;;;; 0
8	Sample	8	N031208	N031207M	Icalib_6;HSL_120;;1;6;3;;;; 0
9	Sample	9	N031209	N031207M	Icalib_7;HSL_150;;1;7;3;;;; 0
10	Sample	10	N031210	N031207M	SSV_1;HSL_075;;0;0;3;;;; 06MS
11	Sample	11	N031211	N031207M	Icalib_1;APPIX_10;;1;1;3;;;;
12	Sample	12	N031212	N031207M	Icalib_2;APPIX_20;;1;2;3;;;;
13	Sample	13	N031213	N031207M	Icalib_3;APPIX_50;;1;3;3;;;;
14	Sample	14	N031214	N031207M	Icalib_4;APPIX_75;;1;4;3;;;;
15	Sample	15	N031215	N031207M	Icalib_5;APPIX_100;;1;5;3;;;;
16	Sample	16	N031216	N031207M	Icalib_6;APPIX_120;;1;6;3;;;;
17	Sample	17	N031217	N031207M	Icalib_7;APPIX_150;;1;7;3;;;;
18	Sample	18	N031218	N031207M	SSV_2;APPIX_050;;0;0;3;;;; 06
19	Sample	19	N031219	N031207M	SSV_3;ODD_050;;0;3;3;;;; 06MS
20	Sample	20	N031220	N031207M	JQLWK1AAB;I7C070000-398;1;0;;
21	Sample	21	N031221	N031207M	JQLWK1AEC;I7C070000-398;1;0;;
22	Sample	22	N031222	N031207M	JQLWK1AFC;I7C070000-398;1;0;;
23	Sample	23	N031223	N031207M	JQKR91AEC;I7C070000-195;1;0;;
24	Sample	24	N031224	N031207M	JQKR91AFL;I7C070000-195;1;0;;

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N031207.B

Lab File ID: N031201 DFTPP Injection Date: 03/12/07

Instrument ID: MSN1 DFTPP Injection Time: 1047

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	34.8	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.2	
70	Less than 2.0% of mass 69	0.2	(0.6)1
127	40.0 - 60.0% of mass 198	46.0	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0 - 30.0% of mass 198	23.7	
365	Greater than 1.0% of mass 198	2.32	
441	Present, but less than mass 443	10.0	
442	Greater than 40.0% of mass 198	69.1	
443	17.0 - 23.0% of mass 442	13.6	(19.7)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_75	CCALIB_4	N031202	03/12/07	1106
02	HSL_10	ICALIB_1	N031203	03/12/07	1137
03	HSL_20	ICALIB_2	N031204	03/12/07	1208
04	HSL_50	ICALIB_3	N031205	03/12/07	1239
05	HSL_75	ICALIB_4	N031206	03/12/07	1310
06	HSL_100	ICALIB_5	N031207	03/12/07	1341
07	HSL_120	ICALIB_6	N031208	03/12/07	1412
08	HSL_150	ICALIB_7	N031209	03/12/07	1443
09	HSL_075	SSV_1	N031210	03/12/07	1514
10	APPIX_10	ICALIB_1	N031211	03/12/07	1557
11	APPIX_20	ICALIB_2	N031212	03/12/07	1627
12	APPIX_50	ICALIB_3	N031213	03/12/07	1658
13	APPIX_75	ICALIB_4	N031214	03/12/07	1728
14	APPIX_100	ICALIB_5	N031215	03/12/07	1759
15	APPIX_120	ICALIB_6	N031216	03/12/07	1829
16	APPIX_150	ICALIB_7	N031217	03/12/07	1900
17	APPIX_050	SSV_2	N031218	03/12/07	1930
18	ODD_050	SSV_3	N031219	03/12/07	2001
19	I7C070000-39	JQLWK1AAB	N031220	03/12/07	2031
20	I7C070000-39	JQLWK1AEC	N031221	03/12/07	2101
21	I7C070000-39	JQLWK1AFC	N031222	03/12/07	2132
22	I7C070000-19	JQKR91AEC	N031223	03/12/07	2202

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031201.D
Report Date: 12-Mar-2007 11:13

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031201.D
Lab Smp Id: DFTPP
Client Smp ID: DFTPP
Inj Date : 12-MAR-2007 10:47
Operator : malloym
Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\NDFTPP.m
Meth Date : 09-Jan-2007 11:13 malloym
Quant Type: ESTD
Cal Date :
Cal File:
Als bottle: 1
QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 4.14
Sample Matrix: None
Processing Host: AUS8K7MV21

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
8.491	8.311	0.180	198	215168			0.00- 100.00	100.00
8.491	7.231	1.260	51	74824			30.00- 60.00	34.77
8.491	7.231	1.260	68	0	0.0	0.0	0.00- 2.00	0.00
8.491	7.231	1.260	69	79992			0.00- 0.00	37.18
8.491	7.231	1.260	70	453			0.00- 2.00	0.57
8.491	7.231	1.260	127	98880			40.00- 60.00	45.95
8.491	7.231	1.260	197	0	0.0	0.0	0.00- 1.00	0.00
8.491	7.231	1.260	199	14470			5.00- 9.00	6.72
8.491	7.231	1.260	275	51056			10.00- 30.00	23.73
8.491	7.231	1.260	365	4988			1.00- 0.00	2.32
8.491	7.231	1.260	441	21520			0.01- 99.99	73.64
8.491	7.231	1.260	442	148608			40.00- 0.00	69.07
8.491	7.231	1.260	443	29224			17.00- 23.00	19.67

mm 3-12-7

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031201.D

Date : 12-MAR-2007 10:47

Client ID: DFTPP

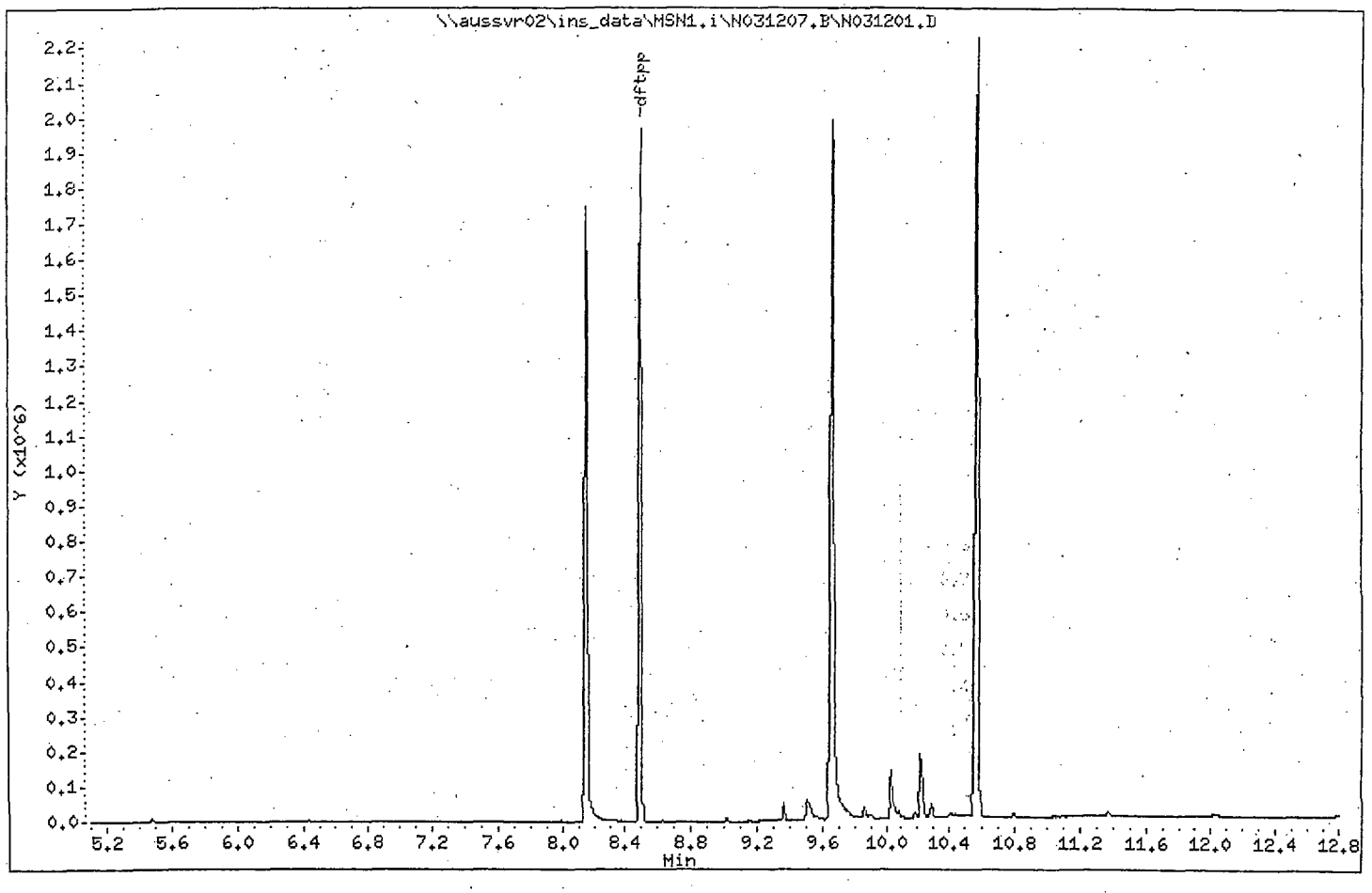
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031201.D

Page 3

Date : 12-MAR-2007 10:47

Client ID: DFTPP

Instrument: MSN1.i

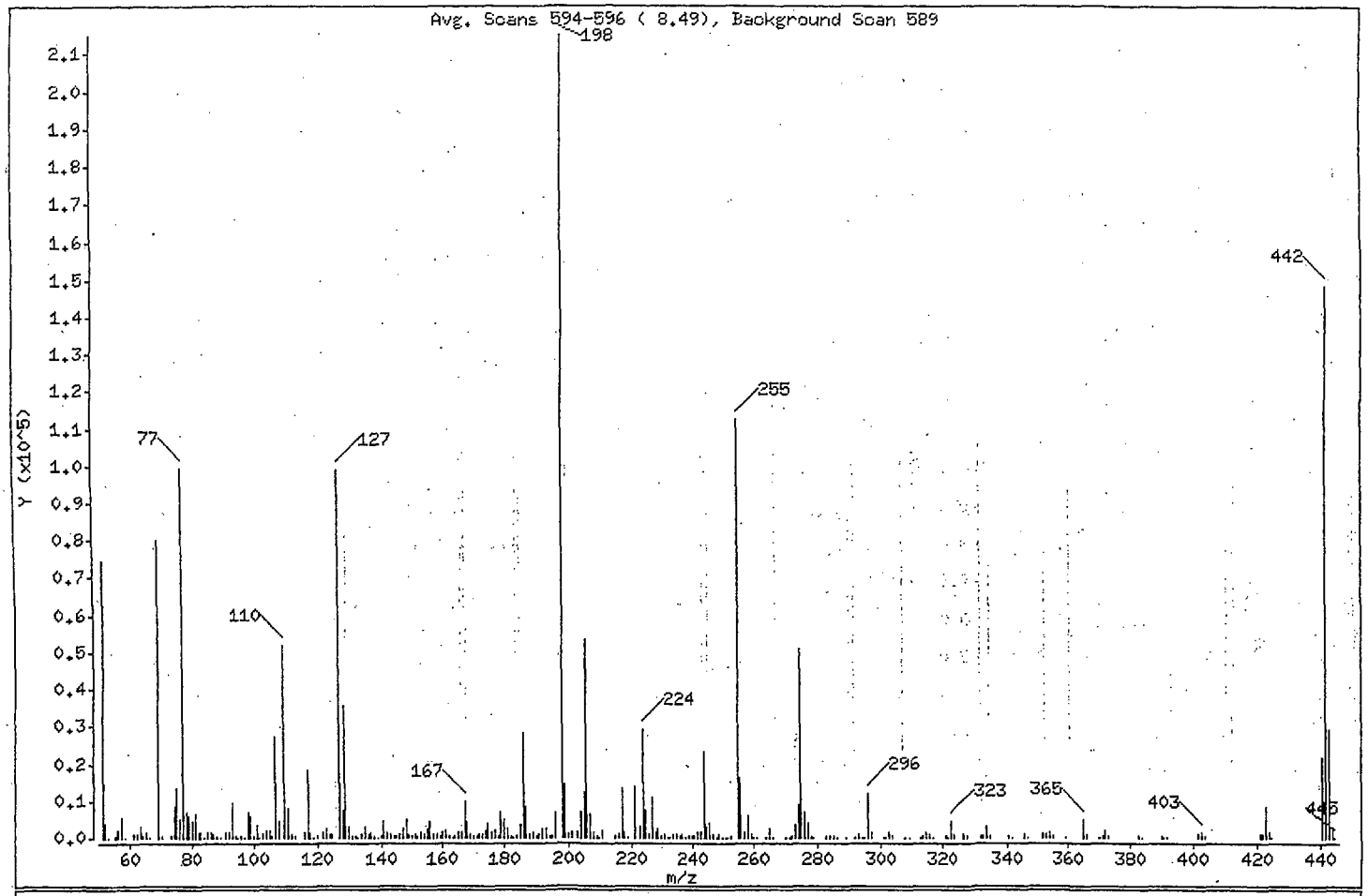
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.77
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.18
70	Less than 2.00% of mass 69	0.21 (0.57)
127	40.00 - 60.00% of mass 198	45.95
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.72
275	10.00 - 30.00% of mass 198	23.73
365	Greater than 1.00% of mass 198	2.32
441	Present, but less than mass 443	10.00
442	Greater than 40.00% of mass 198	69.07
443	17.00 - 23.00% of mass 442	13.58 (19.67)

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031201.D

Date : 12-MAR-2007 10:47

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N031201.D

Spectrum: Avg. Scans 594-596 (8.49), Background Scan 589

Location of Maximum: 198.00

Number of points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
51.00	74824	132.00	369	201.00	1245	284.00	342
52.00	3841	133.00	173	203.00	1365	285.00	723
53.00	213	134.00	1054	204.00	7133	286.00	50
55.00	351	135.00	3023	205.00	12207	289.00	139
56.00	2143	136.00	1208	206.00	53224	292.00	156
57.00	5235	137.00	1593	207.00	6650	293.00	860
58.00	233	138.00	346	208.00	1718	294.00	183
61.00	975	139.00	199	209.00	621	295.00	92
62.00	1094	140.00	442	210.00	239	296.00	11832
63.00	3177	141.00	4483	211.00	2137	297.00	1700
64.00	471	142.00	1562	215.00	551	301.00	120
65.00	1658	143.00	1102	216.00	1119	302.00	175
66.00	57	144.00	276	217.00	13145	303.00	1519
69.00	79992	145.00	294	218.00	1685	304.00	456
70.00	453	146.00	824	219.00	194	308.00	141
73.00	666	147.00	2396	221.00	13608	310.00	124
74.00	8252	148.00	5044	223.00	3023	313.00	55
75.00	13110	149.00	1109	224.00	29040	314.00	609
76.00	4725	150.00	325	225.00	7462	315.00	1297
77.00	99512	151.00	848	226.00	780	316.00	815
78.00	6832	152.00	256	227.00	11117	317.00	56
79.00	5789	153.00	1462	228.00	1592	321.00	408
80.00	4377	154.00	1148	229.00	2382	322.00	151
81.00	6461	155.00	2689	230.00	356	323.00	4332
82.00	1579	156.00	4253	231.00	1105	324.00	796
83.00	1608	157.00	904	232.00	224	327.00	770
84.00	124	158.00	919	233.00	209	328.00	394
85.00	1356	159.00	673	234.00	754	332.00	289
86.00	1660	160.00	1443	235.00	825	333.00	423
87.00	840	161.00	2214	236.00	558	334.00	2732
88.00	335	162.00	650	237.00	963	335.00	729
89.00	118	163.00	183	238.00	54	341.00	505
91.00	1443	164.00	287	239.00	441	342.00	123
92.00	1599	165.00	1628	240.00	340	346.00	877
93.00	9158	166.00	1486	241.00	630	347.00	116

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031201.D

Date : 12-MAR-2007 10:47

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N031201.D

Spectrum: Avg. Scans 594-596 (8.49), Background Scan 589

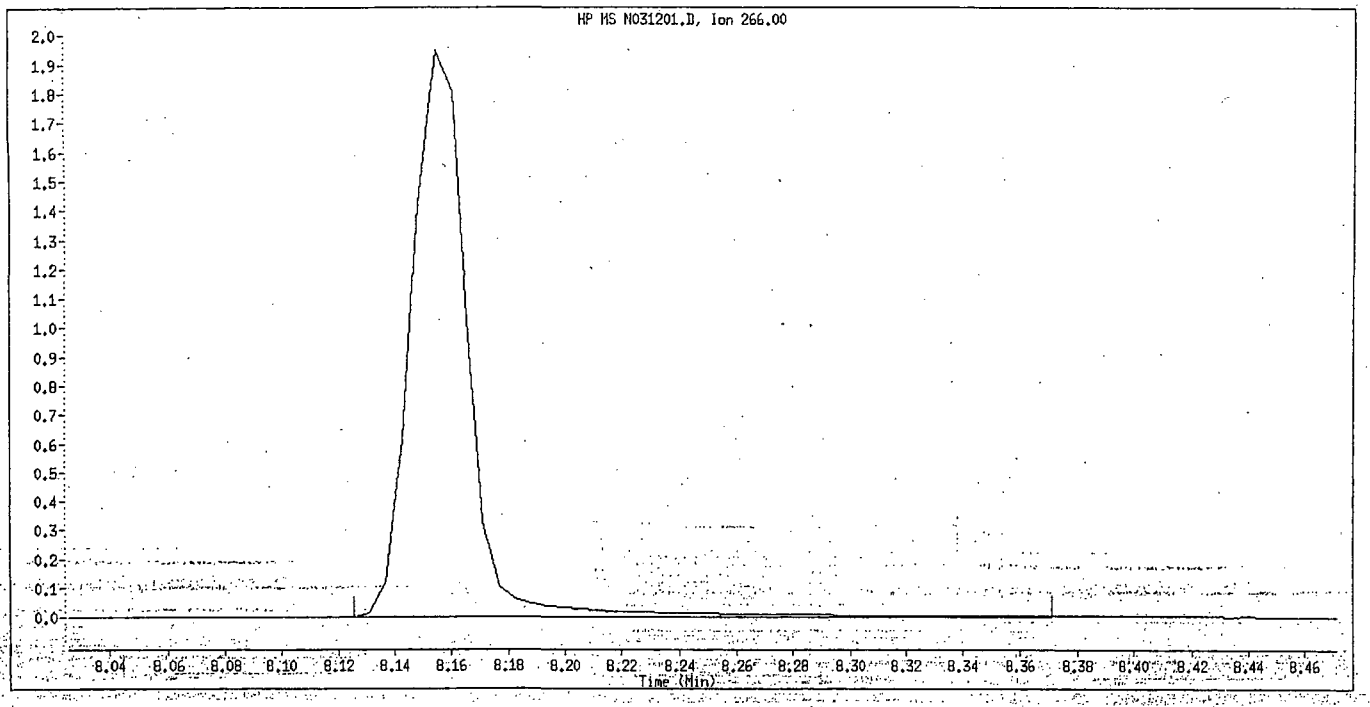
Location of Maximum: 198.00

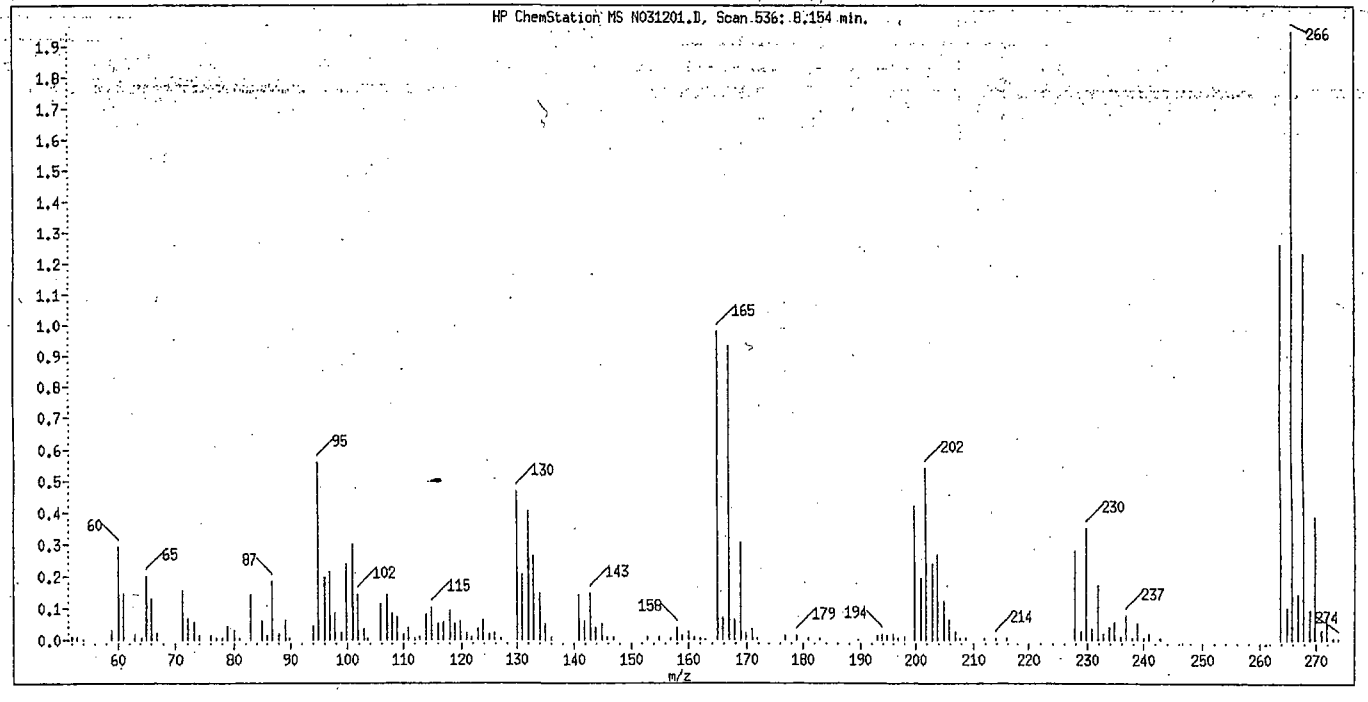
Number of points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	684	167.00	9741	242.00	1497	352.00	1190
95.00	235	168.00	4472	243.00	1532	353.00	853
96.00	590	169.00	818	244.00	23440	354.00	1404
97.00	215	170.00	285	245.00	3084	355.00	264
98.00	6957	171.00	430	246.00	4001	359.00	51
99.00	5835	172.00	874	247.00	837	365.00	4988
100.00	531	173.00	1133	248.00	151	366.00	771
101.00	3628	174.00	2062	249.00	815	370.00	53
102.00	205	175.00	3763	250.00	179	371.00	311
103.00	1210	176.00	1267	251.00	144	372.00	2192
104.00	2187	177.00	1858	252.00	215	373.00	578
105.00	2034	178.00	566	253.00	509	383.00	571
106.00	684	179.00	6926	255.00	112144	384.00	138
107.00	27000	180.00	4991	256.00	16355	390.00	279
108.00	4314	181.00	2301	257.00	1300	391.00	185
110.00	52040	182.00	384	258.00	5705	392.00	146
111.00	7738	183.00	246	259.00	968	402.00	891
112.00	928	184.00	547	260.00	196	403.00	1255
113.00	308	185.00	3371	261.00	147	404.00	413
116.00	1451	186.00	28040	264.00	122	421.00	1093
117.00	18256	187.00	8226	265.00	2346	422.00	1036
118.00	1383	188.00	857	266.00	232	423.00	8172
119.00	226	189.00	1643	270.00	115	424.00	1591
120.00	343	190.00	286	271.00	235	425.00	136
122.00	1724	191.00	809	272.00	280	441.00	21520
123.00	2680	192.00	2336	273.00	3317	442.00	148608
124.00	1158	193.00	2551	274.00	8897	443.00	29224
125.00	1168	194.00	584	275.00	51056	444.00	2780
127.00	98880	195.00	383	276.00	7062	445.00	133
128.00	7524	196.00	6836	277.00	3921		
129.00	35712	198.00	215168	278.00	643		
130.00	3067	199.00	14470	279.00	70		
131.00	604	200.00	1130	283.00	474		

Data File: N031201.D
Inj Date: 12-MAR-2007 10:47
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 03/13/2007

TAILING FACTOR

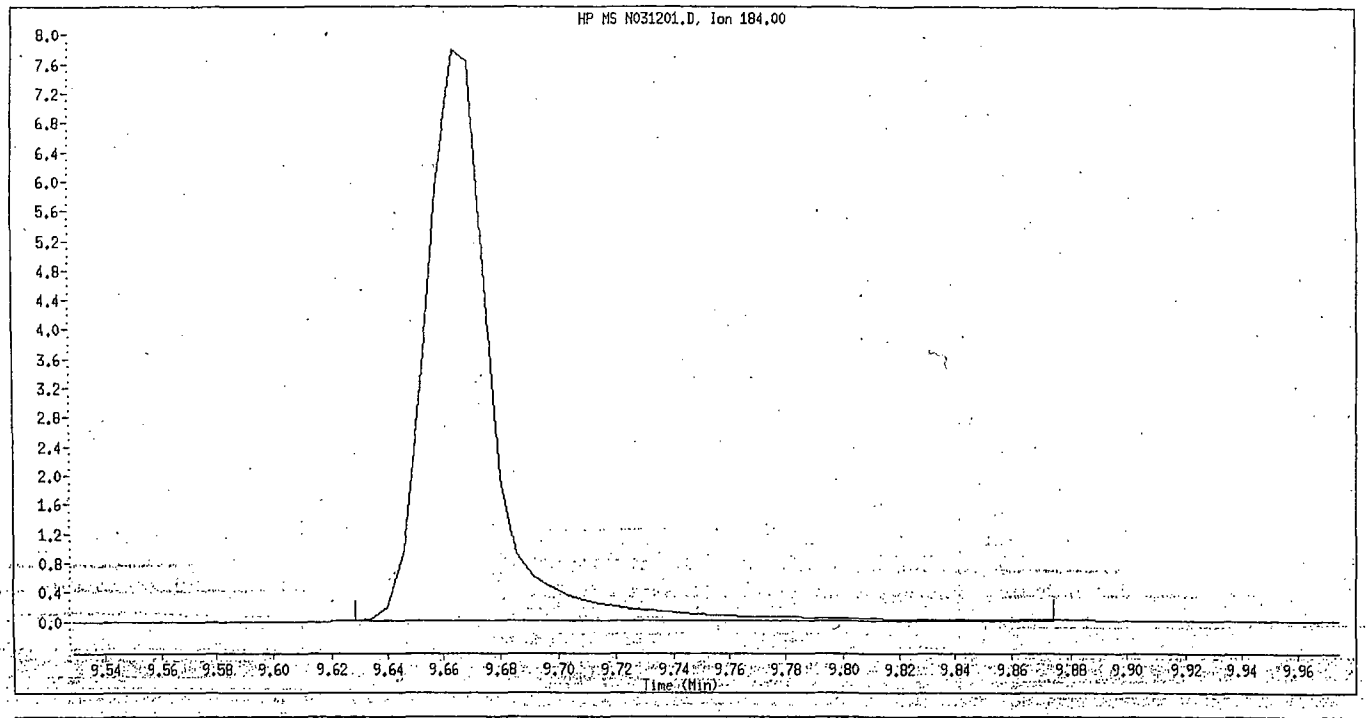


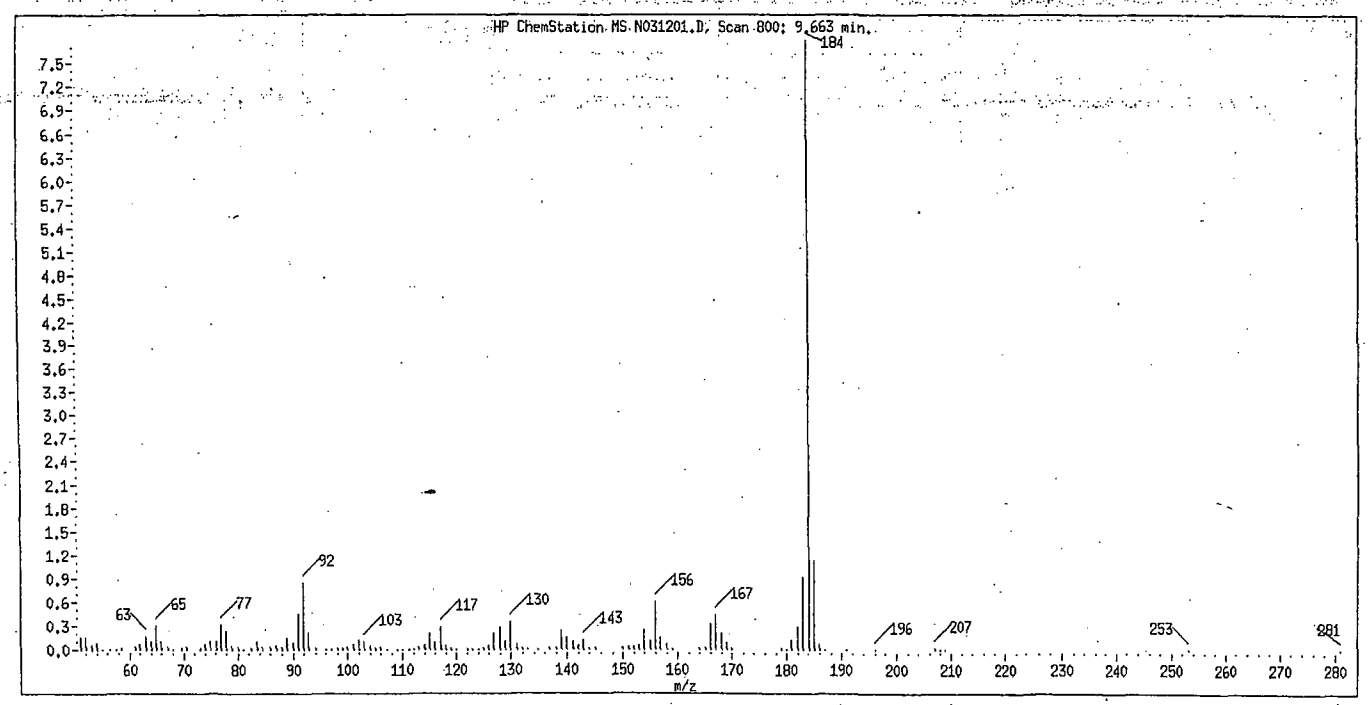


Tailing Factor = 1.26 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.137734 T2 = 8.154 T3 = 8.174533

Data File: N031201.D
Inj Date: 12-MAR-2007 10:47
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 03/13/2007

TAILING FACTOR

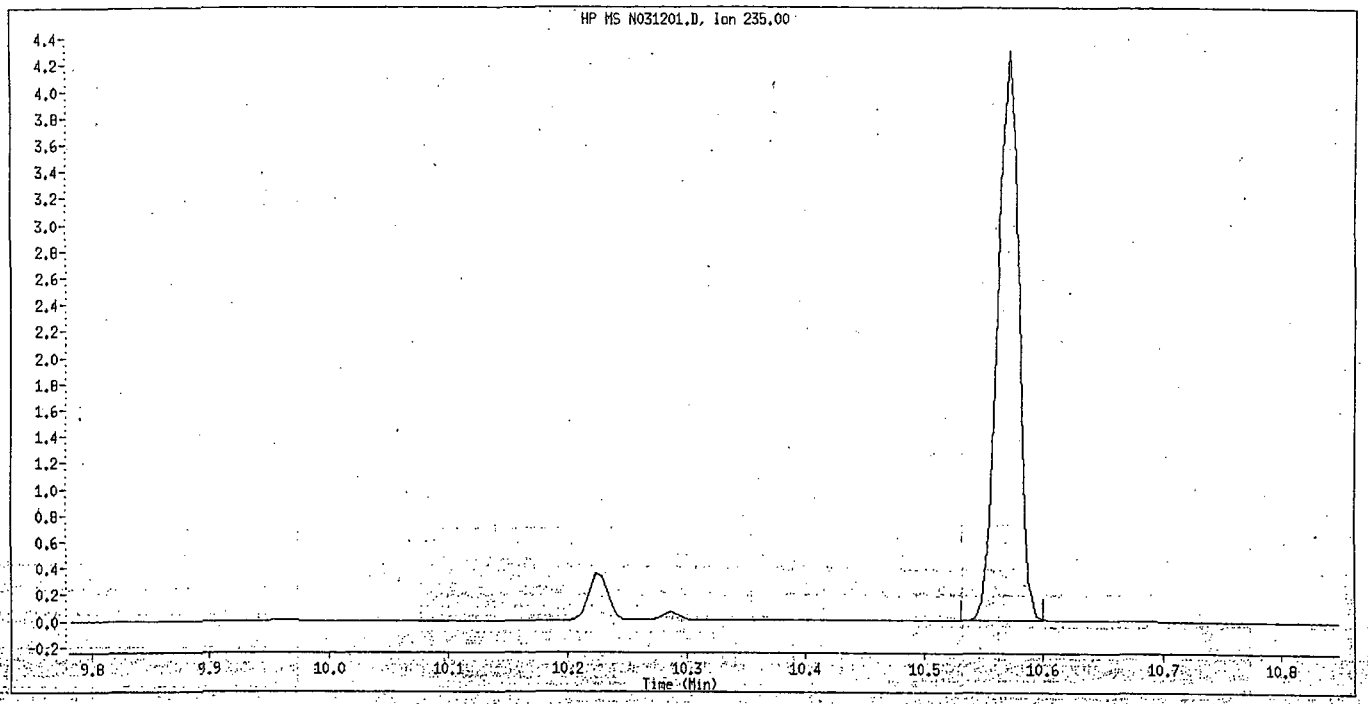




Tailing Factor = 1.37 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 9.644286 T2 = 9.662883 T3 = 9.688335

Data File: N031201.D
Inj Date: 12-MAR-2007 10:47
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 03/13/2007

DEGRADATION REPORT



Degradation = 7.78% Good
Acceptance Criteria 0 - 20 %
DDT Area = 558294
DDE Area = 40143
DDD Area = 6984

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031203.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031203.D
Lab Smp Id: Icalib_1 Client Smp ID: HSL_10
Inj Date : 12-MAR-2007 11:37
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;HSL_10;;1;1;3;;;; 06MSSV0440
Misc Info : ; 2-HSL.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.605	7.604	(1.000)	128066	40.0000		REV
* 40 Naphthalene-d8	136	9.542	9.547	(1.000)	474679	40.0000		REV
* 64 Acenaphthene-d10	164	12.359	12.363	(1.000)	235458	40.0000		REV
* 93 Phenanthrene-d10	188	14.733	14.743	(1.000)	417797	40.0000		REV
* 114 Chrysene-d12	240	19.027	19.032	(1.000)	379580	40.0000		REV
* 122 Perylene-d12	264	21.358	21.363	(1.000)	337596	40.0000		REV
$ 6 2-Fluorophenol	112	5.836	5.848	(0.767)	97352	20.0000	20.242	REV
$ 12 Phenol-d5	99	7.071	7.094	(0.930)	116629	20.0000	21.163	REV
$ 82 2,4,6-Tribromophenol	330	13.643	13.656	(0.926)	16485	20.0000	19.942	REV
$ 29 Nitrobenzene-d5	82	8.463	8.476	(0.887)	45502	10.0000	9.7671	REV
$ 54 2-Fluorobiphenyl	172	11.247	11.255	(0.910)	82388	10.0000	11.235	REV
$ 105 Terphenyl-d14	244	17.290	17.297	(0.909)	82478	10.0000	10.673	REV
1 Pyridine	79	4.163	4.144	(0.547)	59501	10.0000	9.7489	REV
2 N-Nitrosodimethylamine	74	4.141	4.138	(0.545)	33129	10.0000	9.7232	REV
3 2-Picoline	93	5.107	5.098	(0.672)	61825	10.0000	9.7245	REV
4 N-Nitrosomethylethylamine	88	5.274	5.271	(0.694)	27203	10.0000	9.5528	REV
5 Methyl methanesulfonate	80	5.674	5.681	(0.746)	28511	10.0000	10.057	REV
7 N-Nitrosodiethylamine	102	6.192	6.193	(0.814)	24969	10.0000	9.6585	REV
8 Ethyl methanesulfonate	79	6.575	6.587	(0.865)	36991	10.0000	9.7084	REV
9 Pentachloroethane	117	7.201	7.202	(0.947)	16035	10.0000	10.272	REV
10 Aniline	93	7.184	7.191	(0.945)	77014	10.0000	10.316	REV
11 bis(2-Chloroethyl)ether	93	7.233	7.245	(0.951)	50323	10.0000	9.6089	REV
13 Phenol	94	7.093	7.111	(0.933)	63162	10.0000	10.511	REV
14 2-Chlorophenol	128	7.341	7.353	(0.965)	48023	10.0000	9.9260	REV
15 1,3-Dichlorobenzene	146	7.557	7.558	(0.994)	56537	10.0000	10.498	REV
16 1,4-Dichlorobenzene	146	7.627	7.634	(1.003)	55616	10.0000	10.566	REV
18 1,2-Dichlorobenzene	146	7.907	7.914	(1.040)	52626	10.0000	10.455	REV
19 Benzyl Alcohol	108	7.805	7.817	(1.026)	30510	10.0000	9.6248	REV
20 bis(2-Chloroisopropyl)ether	45	8.021	8.028	(1.055)	74059	10.0000	10.361	REV
21 2-Methylphenol	108	7.967	7.974	(1.048)	44592	10.0000	10.046	REV
22 Acetophenone	105	8.220	8.233	(1.081)	62836	10.0000	10.367	REV
23 N-Nitroso-di-n-propylamine	70	8.231	8.255	(1.082)	35398	10.0000	10.202	REV
24 N-Nitrosopyrrolidine	100	8.220	8.249	(1.081)	22549	10.0000	9.8592	REV

MM 3-22-7

Data File: \\aussvr02\ins_data\MSN1:i\N031207.B\N031203.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.177	8.201	(1.075)	90767	20.0000	21.943	REV
27 o-Toluidine	106	8.285	8.303	(1.089)	72775	10.0000	10.346	REV
28 Hexachloroethane	117	8.366	8.368	(1.100)	18616	10.0000	9.9469	REV
30 Nitrobenzene	77	8.490	8.507	(0.890)	50920	10.0000	10.154	REV
31 N-Nitrosopiperidine	114	8.722	8.734	(0.914)	21791	10.0000	9.9351	REV
32 Isophorone	82	8.825	8.838	(0.925)	91080	10.0000	10.465	REV
33 2-Nitrophenol	139	8.981	8.983	(0.941)	20679	10.0000	9.6228	REV
34 2,4-Dimethyphenol	107	8.981	8.994	(0.941)	46038	10.0000	10.935	REV
35 Bis(2-chloroethoxy)methane	93	9.138	9.145	(0.958)	50460	10.0000	10.384	REV
36 2,4-Dichlorophenol	162	9.321	9.329	(0.977)	33874	10.0000	10.231	REV
38 1,2,4-Trichlorobenzene	180	9.472	9.474	(0.993)	39600	10.0000	10.709	REV
39 Benzoic Acid	122	9.067	9.161	(0.950)	8077	10.0000	11.684	REV
41 Naphthalene	128	9.575	9.582	(1.003)	131342	10.0000	11.105	REV
42 4-Chloroaniline	127	9.672	9.685	(1.014)	50242	10.0000	10.571	REV
43 2,6-Dichlorophenol	162	9.688	9.695	(1.015)	34362	10.0000	10.622	REV
44 Hexachloropropene	213	9.758	9.760	(1.023)	20092	10.0000	9.0726	REV
45 Hexachlorobutadiene	225	9.828	9.836	(1.030)	21973	10.0000	10.809	REV
46 N-Nitroso-di-n-butylamine	84	10.190	10.197	(1.068)	26732	10.0000	9.8900	REV
47 4-Chloro-3-Methylphenol	107	10.395	10.402	(1.089)	34464	10.0000	9.6576	REV
48 Safrole	162	10.503	10.510	(1.101)	31230	10.0000	10.293	REV
49 2-Methylnaphthalene	142	10.648	10.656	(1.116)	83871	10.0000	10.811	REV
50 Hexachlorocyclopentadiene	237	11.004	11.007	(0.890)	13316	10.0000	8.3095	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.983	10.990	(0.889)	34420	10.0000	11.200	REV
52 2,4,6-Trichlorophenol	196	11.134	11.141	(0.901)	20709	10.0000	9.9476	REV
53 2,4,5-Trichlorphenol	196	11.193	11.201	(0.906)	22731	10.0000	9.9679	REV
55 2-Chloronaphthalene	127	11.431	11.438	(0.925)	27292	10.0000	10.878	REV
56 Isosafrole	162	11.317	11.325	(0.916)	30457	10.0000	10.425	REV
57 2-Nitroaniline	65	11.641	11.654	(0.942)	19798	10.0000	8.8840	REV
58 1,4-Naphthoquinone	158	11.722	11.735	(0.948)	25931	10.0000	9.5526	REV
59 Dimethylphthalate	163	11.943	11.956	(0.966)	75156	10.0000	10.046	REV
60 2,6-Dinitrotoluene	165	12.073	12.091	(0.977)	16871	10.0000	9.2201	REV
61 1,3-Dinitrobenzene	168	12.003	12.021	(0.971)	9732	10.0000	7.5276	REV
62 Acenaphthylene	152	12.116	12.123	(0.980)	118736	10.0000	11.004	REV
63 3-Nitroaniline	138	12.305	12.323	(0.996)	18300	10.0000	8.9732	REV
65 Acenaphthene	153	12.407	12.420	(1.004)	68275	10.0000	10.971	REV
66 2,4-Dinitrophenol	184	12.467	12.480	(1.009)	3122	10.0000	10.784	REV
67 Dibenzofuran	168	12.655	12.668	(1.024)	97318	10.0000	10.795	REV
68 4-Nitrophenol	109	12.542	12.560	(1.015)	7631	10.0000	7.5275	REV
69 Pentachlorobenzene	250	12.699	12.706	(1.028)	26533	10.0000	10.898	REV
70 2,4-Dinitrotoluene	165	12.704	12.722	(1.028)	19933	10.0000	8.5358	REV
72 2,3,4,6-tetrachlorophenol	232	12.920	12.933	(1.045)	15816	10.0000	9.4816	REV
74 Diethylphthalate	149	13.060	13.084	(1.057)	73771	10.0000	9.9462	REV
75 4-Chlorophenyl-phenylether	204	13.190	13.197	(1.067)	36776	10.0000	10.558	REV
76 Fluorene	166	13.217	13.224	(1.069)	79860	10.0000	10.866	REV
77 5-Nitro-o-toluidine	152	13.276	13.300	(1.074)	20604	10.0000	8.9949	REV
78 4,6-Dinitro-2-methylphenol	198	13.357	13.381	(0.907)	6737	10.0000	9.3537	REV
79 4-Nitroaniline	138	13.297	13.327	(1.076)	19082	10.0000	9.2656	REV
80 N-Nitrosodiphenylamine/DPA	169	13.389	13.408	(1.083)	66676	10.0000	10.512	REV
81 Azobenzene	77	13.438	13.451	(0.912)	81980	10.0000	10.700	REV
83 Diallate #1	234	13.891	13.899	(0.943)	11808	10.0000	(Q)	REV
84 4-Bromophenyl-phenylether	248	13.972	13.985	(0.948)	20198	10.0000	10.648	REV
85 Phenacetin	108	13.913	13.947	(0.944)	38400	10.0000	10.435	REV
86 Diallate #2	234	14.031	14.039	(0.952)	2671	10.0000		REV
87 Hexachlorobenzene	284	14.236	14.244	(0.966)	20854	10.0000	10.674	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031203.D Page 3
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.886	13.920	(0.943)	10946	10.0000	9.7024	REV
90 Pentachlorophenol	266	14.517	14.530	(0.985)	10447	10.0000	8.5078	REV
91 Pronamide	173	14.522	14.541	(0.986)	34362	10.0000	10.941	REV
92 Pentachloronitrobenzene	295	14.646	14.659	(0.994)	3477	10.0000	9.8407	REV
94 Phenanthrene	178	14.765	14.783	(1.002)	115612	10.0000	11.278	REV
95 Anthracene	178	14.835	14.854	(1.007)	118127	10.0000	11.110	REV
96 Dinoseb	211	14.787	14.800	(1.004)	9657	10.0000	9.4900	REV
97 Carbazole	167	15.094	15.113	(1.025)	115437	10.0000	11.034	REV
98 Di-n-Butylphthalate	149	15.666	15.674	(1.063)	133244	10.0000	10.940	REV
101 Isodrin	193	16.486	16.488	(1.119)	13217	10.0000	11.040	REV
102 Fluoranthene	202	16.697	16.710	(1.133)	128460	10.0000	11.127	REV
103 Benzidine	184	16.902	16.908	(0.888)	47929	10.0000	8.4325	REV
104 Pyrene	202	17.069	17.082	(0.897)	134479	10.0000	11.003	REV
106 4-Dimethylaminoazobenzene	120	17.538	17.551	(0.922)	35973	10.0000	10.332	REV
107 Chlorobenzilate	251	17.603	17.611	(0.925)	32779	10.0000	10.110	REV
109 3,3'-Dimethylbenzidine	212	18.083	18.091	(0.950)	68719	10.0000	10.059	REV
110 Butylbenzylphthalate	149	18.094	18.102	(0.951)	59534	10.0000	11.301	REV
111 2-Acetylaminofluorene	181	18.515	18.539	(0.973)	46409	10.0000	9.2986	REV
112 3,3'-Dichlorobenzidine	252	18.963	18.976	(0.997)	42360	10.0000	10.156	REV
113 Benzo(a)anthracene	228	18.995	19.013	(0.998)	121818	10.0000	11.308	REV
115 bis(2-Ethylhexyl)phthalate	149	19.000	19.003	(0.999)	77588	10.0000	11.204	REV
116 Chrysene	228	19.065	19.084	(1.002)	109841	10.0000	10.651	REV
117 Di-n-octylphthalate	149	19.923	19.936	(0.933)	125322	10.0000	10.482	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.705	20.729	(0.969)	44759	10.0000	9.9911	REV
119 Benzo(b)fluoranthene	252	20.689	20.713	(0.969)	118446	10.0000	10.428	REV
120 Benzo(k)fluoranthene	252	20.727	20.762	(0.970)	120931	10.0000	11.043	REV
121 Benzo(a)pyrene	252	21.250	21.274	(0.995)	102743	10.0000	10.437	REV
123 3-MethylCholanthrene	268	21.903	21.927	(1.026)	54358	10.0000	10.217	REV
125 Indeno(1,2,3-cd)pyrene	276	23.479	23.524	(1.099)	104928	10.0000	10.597	REV
126 Dibenz(a,h)anthracene	278	23.484	23.535	(1.100)	87031	10.0000	10.380	REV
127 Benzo(g,h,i)perylene	276	24.099	24.145	(1.128)	84243	10.0000	10.559	REV
M 176 Diallate (total)	234				14479	10.0000	10.272	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031203.D

Date : 12-MAR-2007 11:37

Client ID: HSL_10

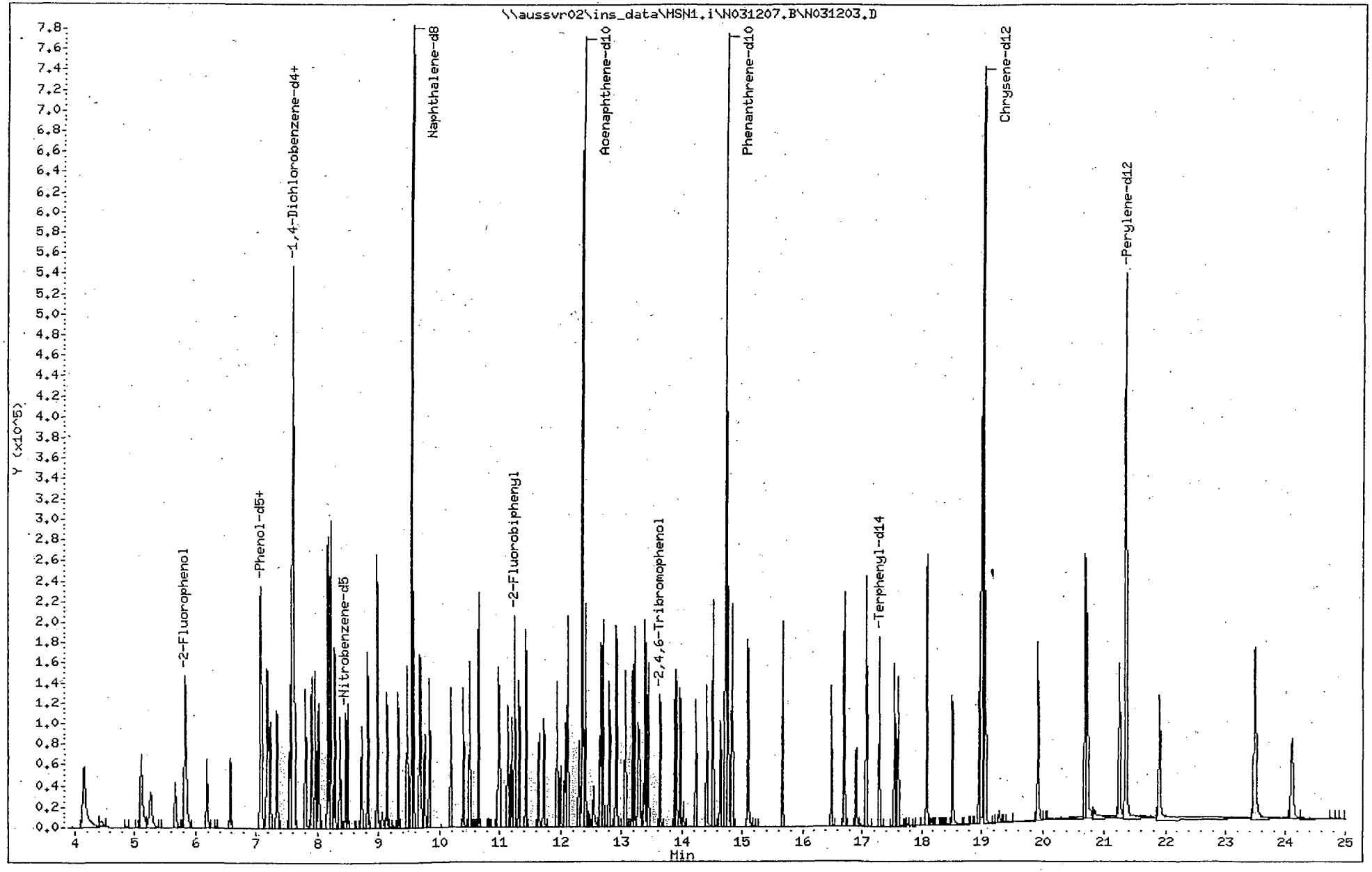
Sample Info: Icalib_1;HSL_10;;1;1;3;;;; 06MSSV0440

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031204.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031204.D
Lab Smp Id: Icalib_2 Client Smp ID: HSL_20
Inj Date : 12-MAR-2007 12:08
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;HSL_20;;1;2;3;;;; 06MSSV0441
Misc Info : ; 2-HSL.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.605	7.604	(1.000)	130612	40.0000		REV
* 40 Naphthalene-d8	136	9.547	9.547	(1.000)	478764	40.0000		REV
* 64 Acenaphthene-d10	164	12.364	12.363	(1.000)	240389	40.0000		REV
* 93 Phenanthrene-d10	188	14.732	14.743	(1.000)	431595	40.0000		REV
* 114 Chrysene-d12	240	19.032	19.032	(1.000)	387134	40.0000		REV
* 122 Perylene-d12	264	21.358	21.363	(1.000)	351129	40.0000		REV
$ 6 2-Fluorophenol	112	5.841	5.848	(0.768)	226816	40.0000	46.242	REV
$ 12 Phenol-d5	99	7.076	7.094	(0.930)	262762	40.0000	46.750	REV
$ 82 2,4,6-Tribromophenol	330	13.642	13.656	(0.926)	38439	40.0000	45.014	REV
$ 29 Nitrobenzene-d5	82	8.468	8.476	(0.887)	106157	20.0000	22.592	REV
$ 54 2-Fluorobiphenyl	172	11.247	11.255	(0.910)	183199	20.0000	24.469	REV
$ 105 Terphenyl-d14	244	17.290	17.297	(0.908)	185558	20.0000	23.544	REV
1 Pyridine	79	4.152	4.144	(0.546)	139391	20.0000	22.393	REV
2 N-Nitrosodimethylamine	74	4.136	4.138	(0.544)	76677	20.0000	22.066	REV
3 2-Picoline	93	5.101	5.098	(0.671)	143332	20.0000	22.105	REV
4 N-Nitrosomethylethylamine	88	5.269	5.271	(0.693)	63385	20.0000	21.825	REV
5 Methyl methanesulfonate	80	5.673	5.681	(0.746)	65419	20.0000	22.626	REV
7 N-Nitrosodiethylamine	102	6.191	6.193	(0.814)	57777	20.0000	21.914	REV
8 Ethyl methanesulfonate	79	6.580	6.587	(0.865)	84221	20.0000	21.673	REV
9 Pentachloroethane	117	7.200	7.202	(0.947)	36637	20.0000	23.012	REV
10 Aniline	93	7.184	7.191	(0.945)	175013	20.0000	22.987	REV
11 bis(2-Chloroethyl)ether	93	7.233	7.245	(0.951)	117362	20.0000	21.973	REV
13 Phenol	94	7.098	7.111	(0.933)	143208	20.0000	23.368	REV
14 2-Chlorophenol	128	7.346	7.353	(0.966)	111721	20.0000	22.642	REV
15 1,3-Dichlorobenzene	146	7.556	7.558	(0.994)	127970	20.0000	23.299	REV
16 1,4-Dichlorobenzene	146	7.626	7.634	(1.003)	125620	20.0000	23.399	REV
18 1,2-Dichlorobenzene	146	7.912	7.914	(1.040)	119974	20.0000	23.371	REV
19 Benzyl Alcohol	108	7.810	7.817	(1.027)	71462	20.0000	22.104	REV
20 bis(2-Chloroisopropyl)ether	45	8.020	8.028	(1.055)	165419	20.0000	22.692	REV
21 2-Methylphenol	108	7.966	7.974	(1.048)	101453	20.0000	22.411	REV
22 Acetophenone	105	8.225	8.233	(1.082)	139556	20.0000	22.576	REV
23 N-Nitroso-di-n-propylamine	70	8.236	8.255	(1.083)	78818	20.0000	22.274	REV
24 N-Nitrosopyrrolidine	100	8.231	8.249	(1.082)	50672	20.0000	21.724	REV

7-22-7

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031204.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.182	8.201	(1.076)	201609	40.0000	47.789	REV
27 o-Toluidine	106	8.290	8.303	(1.090)	164449	20.0000	22.924	REV
28 Hexachloroethane	117	8.366	8.368	(1.100)	42902	20.0000	22.477	REV
30 Nitrobenzene	77	8.495	8.507	(0.890)	117128	20.0000	23.156	REV
31 N-Nitrosopiperidine	114	8.722	8.734	(0.914)	50110	20.0000	22.651	REV
32 Isophorone	82	8.824	8.838	(0.924)	204580	20.0000	23.305	REV
33 2-Nitrophenol	139	8.981	8.983	(0.941)	49434	20.0000	22.807	REV
34 2,4-Dimethyphenol	107	8.986	8.994	(0.941)	102581	20.0000	24.158	REV
35 Bis(2-chloroethoxy)methane	93	9.137	9.145	(0.957)	113866	20.0000	23.232	REV
36 2,4-Dichlorophenol	162	9.321	9.329	(0.976)	78643	20.0000	23.550	REV
38 1,2,4-Trichlorobenzene	180	9.472	9.474	(0.992)	88698	20.0000	23.781	REV
39 Benzoic Acid	122	9.089	9.161	(0.952)	23224	20.0000	19.229	REV
41 Naphthalene	128	9.574	9.582	(1.003)	291346	20.0000	24.424	REV
42 4-Chloroaniline	127	9.671	9.685	(1.013)	115745	20.0000	24.145	REV
43 2,6-Dichlorophenol	162	9.688	9.695	(1.015)	78062	20.0000	23.925	REV
44 Hexachloropropene	213	9.758	9.760	(1.022)	49200	20.0000	22.027	REV
45 Hexachlorobutadiene	225	9.828	9.836	(1.029)	49399	20.0000	24.094	REV
46 N-Nitroso-di-n-butylamine	84	10.189	10.197	(1.067)	61916	20.0000	22.711	REV
47 4-Chloro-3-Methylphenol	107	10.394	10.402	(1.089)	80316	20.0000	22.314	REV
48 Safrole	162	10.502	10.510	(1.100)	70970	20.0000	23.191	REV
49 2-Methylnaphthalene	142	10.653	10.656	(1.116)	186784	20.0000	23.872	REV
50 Hexachlorocyclopentadiene	237	11.004	11.007	(0.890)	35667	20.0000	21.801	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.982	10.990	(0.888)	76672	20.0000	24.437	REV
52 2,4,6-Trichlorophenol	196	11.134	11.141	(0.901)	49246	20.0000	23.170	REV
53 2,4,5-Trichlorphenol	196	11.193	11.201	(0.905)	54788	20.0000	23.532	REV
55 2-Chloronaphthalene	127	11.430	11.438	(0.925)	61664	20.0000	24.073	REV
56 Isosafrole	162	11.317	11.325	(0.915)	70617	20.0000	23.676	REV
57 2-Nitroaniline	65	11.641	11.654	(0.942)	50082	20.0000	22.012	REV
58 1,4-Naphthoquinone	158	11.722	11.735	(0.948)	65090	20.0000	23.486	REV
59 Dimethylphthalate	163	11.943	11.956	(0.966)	174466	20.0000	22.843	REV
60 2,6-Dinitrotoluene	165	12.078	12.091	(0.977)	41451	20.0000	22.188	REV
61 1,3-Dinitrobenzene	168	12.002	12.021	(0.971)	26001	20.0000	19.699	REV
62 Acenaphthylene	152	12.115	12.123	(0.980)	268812	20.0000	24.400	REV
63 3-Nitroaniline	138	12.304	12.323	(0.995)	44636	20.0000	21.438	REV
65 Acenaphthene	153	12.412	12.420	(1.004)	154220	20.0000	24.273	REV
66 2,4-Dinitrophenol	184	12.466	12.480	(1.008)	11304	20.0000	18.485	REV
67 Dibenzofuran	168	12.660	12.668	(1.024)	220562	20.0000	23.964	REV
68 4-Nitrophenol	109	12.542	12.560	(1.014)	21417	20.0000	20.693	REV
69 Pentachlorobenzene	250	12.698	12.706	(1.027)	59663	20.0000	24.003	REV
70 2,4-Dinitrotoluene	165	12.709	12.722	(1.028)	51176	20.0000	21.465	REV
72 2,3,4,6-tetrachlorophenol	232	12.919	12.933	(1.045)	38467	20.0000	22.588	REV
74 Diethylphthalate	149	13.065	13.084	(1.057)	174053	20.0000	22.986	REV
75 4-Chlorophenyl-phenylether	204	13.189	13.197	(1.067)	83317	20.0000	23.430	REV
76 Fluorene	166	13.216	13.224	(1.069)	179049	20.0000	23.861	REV
77 5-Nitro-o-toluidine	152	13.281	13.300	(1.074)	52047	20.0000	22.256	REV
78 4,6-Dinitro-2-methylphenol	198	13.362	13.381	(0.907)	21528	20.0000	20.525	REV
79 4-Nitroaniline	138	13.302	13.327	(1.076)	46633	20.0000	22.179	REV
80 N-Nitrosodiphenylamine/DPA	169	13.394	13.408	(1.083)	151613	20.0000	23.414	REV
81 Azobenzene	77	13.443	13.451	(0.912)	187232	20.0000	23.656	REV
83 Diallate #1	234	13.891	13.899	(0.943)	26650	20.0000		REV
84 4-Bromophenyl-phenylether	248	13.977	13.985	(0.949)	45432	20.0000	23.184	REV
85 Phenacetin	108	13.923	13.947	(0.945)	90766	20.0000	23.876	REV
86 Diallate #2	234	14.031	14.039	(0.952)	6192	20.0000		REV
87 Hexachlorobenzene	284	14.236	14.244	(0.966)	47162	20.0000	23.367	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031204.D Page 3
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.891	13.920	(0.943)	31310	20.0000	20.144	REV
90 Pentachlorophenol	266	14.522	14.530	(0.986)	27370	20.0000	21.577	REV
91 Pronamide	173	14.527	14.541	(0.986)	79026	20.0000	24.359	REV
92 Pentachloronitrobenzene	295	14.646	14.659	(0.994)	8588	20.0000	23.529	REV
94 Phenanthrene	178	14.770	14.783	(1.003)	262422	20.0000	24.781	REV
95 Anthracene	178	14.840	14.854	(1.007)	269805	20.0000	24.564	REV
96 Dinoseb	211	14.792	14.800	(1.004)	28617	20.0000	20.625	REV
97 Carbazole	167	15.099	15.113	(1.025)	260953	20.0000	24.146	REV
98 Di-n-Butylphthalate	149	15.666	15.674	(1.063)	303916	20.0000	24.154	REV
101 Isodrin	193	16.486	16.488	(1.119)	29676	20.0000	23.995	REV
102 Fluoranthene	202	16.702	16.710	(1.134)	288563	20.0000	24.195	REV
103 Benzidine	184	16.901	16.908	(0.888)	125458	20.0000	21.642	REV
104 Pyrene	202	17.074	17.082	(0.897)	297912	20.0000	23.899	REV
106 4-Dimethylaminoazobenzene	120	17.543	17.551	(0.922)	83970	20.0000	23.646	REV
107 Chlorobenzilate	251	17.608	17.611	(0.925)	76292	20.0000	23.070	REV
109 3,3'-Dimethylbenzidine	212	18.083	18.091	(0.950)	167953	20.0000	24.106	REV
110 Butylbenzylphthalate	149	18.094	18.102	(0.951)	132149	20.0000	24.596	REV
111 2-Acetylaminofluorene	181	18.520	18.539	(0.973)	113627	20.0000	22.322	REV
112 3,3'-Dichlorobenzidine	252	18.962	18.976	(0.996)	100337	20.0000	23.588	REV
113 Benzo(a)anthracene	228	19.000	19.013	(0.998)	260640	20.0000	23.722	REV
115 bis(2-Ethylhexyl)phthalate	149	19.000	19.003	(0.998)	170481	20.0000	24.138	REV
116 Chrysene	228	19.070	19.084	(1.002)	247207	20.0000	23.504	REV
117 Di-n-octylphthalate	149	19.928	19.936	(0.933)	291855	20.0000	23.469	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.710	20.729	(0.970)	109933	20.0000	23.594	REV
119 Benzo(b)fluoranthene	252	20.694	20.713	(0.969)	265665	20.0000	22.487	REV
120 Benzo(k)fluoranthene	252	20.732	20.762	(0.971)	267311	20.0000	23.469	REV
121 Benzo(a)pyrene	252	21.255	21.274	(0.995)	234490	20.0000	22.903	REV
123 3-MethylCholanthrene	268	21.908	21.927	(1.026)	126268	20.0000	22.819	REV
125 Indeno(1,2,3-cd)pyrene	276	23.495	23.524	(1.100)	244285	20.0000	23.720	REV
126 Dibenz(a,h)anthracene	278	23.495	23.535	(1.100)	204670	20.0000	23.469	REV
127 Benzo(g,h,i)perylene	276	24.110	24.145	(1.129)	203647	20.0000	24.541	REV
M 176 Diallate (total)	234				32842	20.0000	22.554	

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Date : 12-MAR-2007 12:08

Client ID: HSL_20

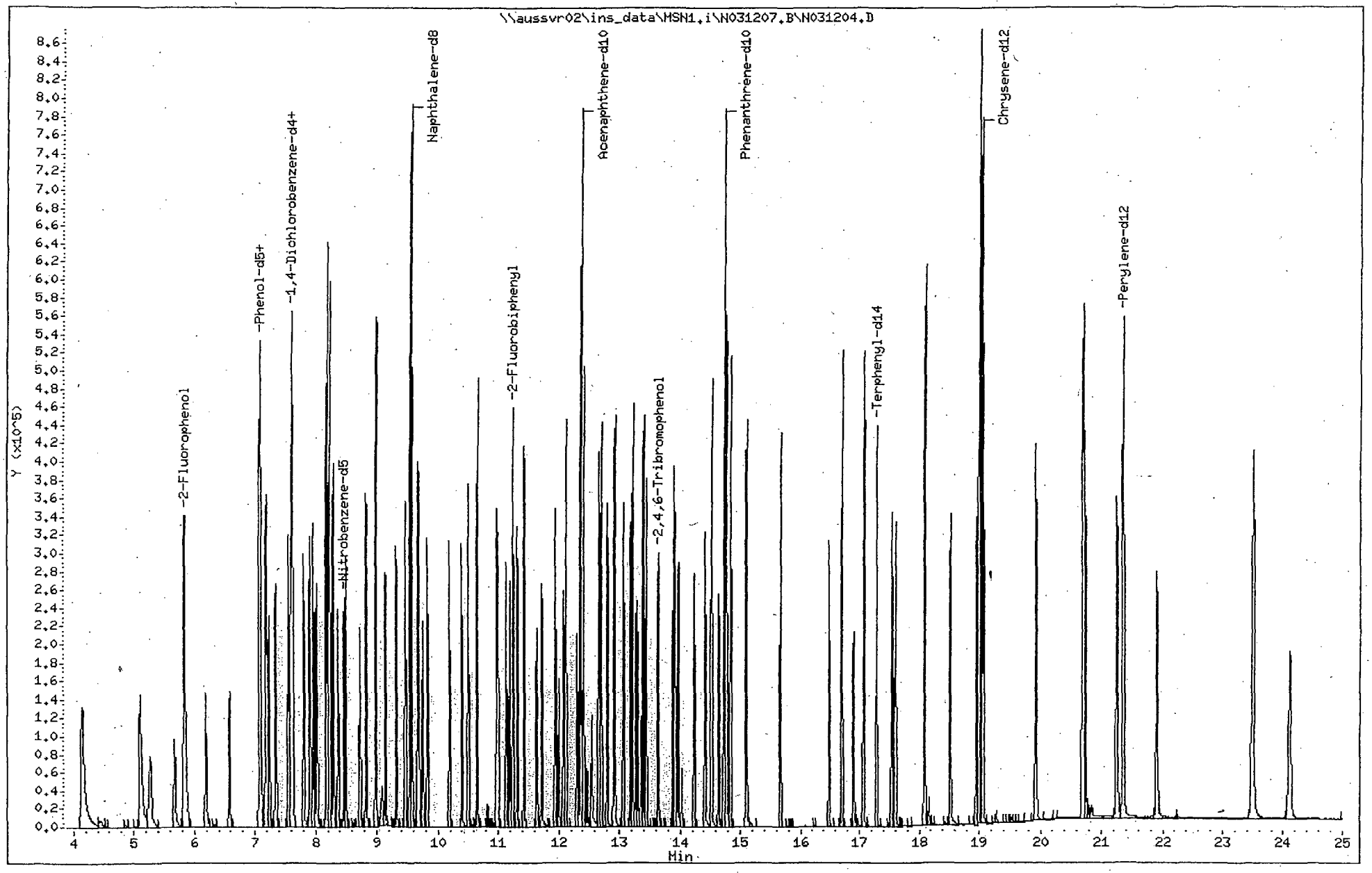
Sample Info: Icalib_2;HSL_20;;1;2;3;;;; 06MSSV0441

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: mallogm

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031205.D Page 1
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STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031205.D
Lab Smp Id: Icalib_3 Client Smp ID: HSL_50
Inj Date : 12-MAR-2007 12:39
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;HSL_50;;1;3;3;;;; 06MSSV0442
Misc Info : ; 2-HSL.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
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Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.605	7.604	(1.000)	122111	40.0000		REV
* 40 Naphthalene-d8	136	9.547	9.547	(1.000)	461769	40.0000		REV
* 64 Acenaphthene-d10	164	12.363	12.363	(1.000)	243650	40.0000		REV
* 93 Phenanthrene-d10	188	14.737	14.743	(1.000)	436539	40.0000		REV
* 114 Chrysene-d12	240	19.038	19.032	(1.000)	376989	40.0000		REV
* 122 Perylene-d12	264	21.363	21.363	(1.000)	340606	40.0000		REV
$ 6 2-Fluorophenol	112	5.846	5.848	(0.769)	481451	100.000	104.99	REV
$ 12 Phenol-d5	99	7.087	7.094	(0.932)	545289	100.000	103.77	REV
$ 82 2,4,6-Tribromophenol	330	13.648	13.656	(0.926)	88813	100.000	102.83	REV
$ 29 Nitrobenzene-d5	82	8.473	8.476	(0.888)	235457	50.0000	51.954	REV
$ 54 2-Fluorobiphenyl	172	11.252	11.255	(0.910)	397190	50.0000	52.342	REV
$ 105 Terphenyl-d14	244	17.295	17.297	(0.908)	398569	50.0000	51.932	REV
1 Pyridine	79	4.146	4.144	(0.545)	303481	50.0000	52.148	REV
2 N-Nitrosodimethylamine	74	4.135	4.138	(0.544)	167282	50.0000	51.491	REV
3 2-Picoline	93	5.101	5.098	(0.671)	311194	50.0000	51.335	REV
4 N-Nitrosomethylethylamine	88	5.268	5.271	(0.693)	139021	50.0000	51.200	REV
5 Methyl methanesulfonate	80	5.678	5.681	(0.747)	140738	50.0000	52.064	REV
7 N-Nitrosodiethylamine	102	6.191	6.193	(0.814)	126805	50.0000	51.443	REV
8 Ethyl methanesulfonate	79	6.585	6.587	(0.866)	185646	50.0000	51.100	REV
9 Pentachloroethane	117	7.200	7.202	(0.947)	78698	50.0000	52.872	REV
10 Aniline	93	7.189	7.191	(0.945)	376619	50.0000	52.910	REV
11 bis(2-Chloroethyl)ether	93	7.238	7.245	(0.952)	250557	50.0000	50.176	REV
13 Phenol	94	7.103	7.111	(0.934)	299842	50.0000	52.332	REV
14 2-Chlorophenol	128	7.351	7.353	(0.967)	239622	50.0000	51.944	REV
15 1,3-Dichlorobenzene	146	7.556	7.558	(0.994)	269369	50.0000	52.457	REV
16 1,4-Dichlorobenzene	146	7.632	7.634	(1.004)	264403	50.0000	52.679	REV
18 1,2-Dichlorobenzene	146	7.912	7.914	(1.040)	252479	50.0000	52.606	REV
19 Benzyl Alcohol	108	7.815	7.817	(1.028)	156207	50.0000	51.681	REV
20 bis(2-Chloroisopropyl)ether	45	8.026	8.028	(1.055)	354735	50.0000	52.050	REV
21 2-Methylphenol	108	7.972	7.974	(1.048)	218074	50.0000	51.526	REV
22 Acetophenone	105	8.231	8.233	(1.082)	305564	50.0000	52.873	REV
23 N-Nitroso-di-n-propylamine	70	8.247	8.255	(1.084)	170387	50.0000	51.504	REV
24 N-Nitrosopyrrolidine	100	8.241	8.249	(1.084)	111121	50.0000	50.955	REV

3-22-7

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.193	8.201	(1.077)	421082	100.000	106.76	REV
27 o-Toluidine	106	8.295	8.303	(1.091)	352880	50.0000	52.615	REV
28 Hexachloroethane	117	8.371	8.368	(1.101)	93247	50.0000	52.254	REV
30 Nitrobenzene	77	8.500	8.507	(0.890)	256548	50.0000	52.586	REV
31 N-Nitrosopiperidine	114	8.732	8.734	(0.915)	111683	50.0000	52.343	REV
32 Isophorone	82	8.835	8.838	(0.925)	443287	50.0000	52.356	REV
33 2-Nitrophenol	139	8.986	8.983	(0.941)	109877	50.0000	52.560	REV
34 2,4-Dimethyphenol	107	8.991	8.994	(0.942)	218701	50.0000	53.400	REV
35 Bis(2-chloroethoxy)methane	93	9.142	9.145	(0.958)	247421	50.0000	52.338	REV
36 2,4-Dichlorophenol	162	9.326	9.329	(0.977)	171604	50.0000	53.280	REV
38 1,2,4-Trichlorobenzene	180	9.471	9.474	(0.992)	189225	50.0000	52.601	REV
39 Benzoic Acid	122	9.132	9.161	(0.956)	73089	50.0000	45.530	REV
41 Naphthalene	128	9.579	9.582	(1.003)	608738	50.0000	52.909	REV
42 4-Chloroaniline	127	9.677	9.685	(1.014)	250640	50.0000	54.209	REV
43 2,6-Dichlorophenol	162	9.693	9.695	(1.015)	168730	50.0000	53.616	REV
44 Hexachloropropene	213	9.757	9.760	(1.022)	114978	50.0000	53.370	REV
45 Hexachlorobutadiene	225	9.833	9.836	(1.030)	104326	50.0000	52.757	REV
46 N-Nitroso-di-n-butylamine	84	10.194	10.197	(1.068)	139063	50.0000	52.887	REV
47 4-Chloro-3-Methylphenol	107	10.400	10.402	(1.089)	186133	50.0000	53.617	REV
48 Safrole	162	10.507	10.510	(1.101)	155330	50.0000	52.625	REV
49 2-Methylnaphthalene	142	10.653	10.656	(1.116)	395554	50.0000	52.414	REV
50 Hexachlorocyclopentadiene	237	11.004	11.007	(0.890)	90589	50.0000	54.629	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.988	10.990	(0.889)	162976	50.0000	51.248	REV
52 2,4,6-Trichlorophenol	196	11.139	11.141	(0.901)	113881	50.0000	52.864	REV
53 2,4,5-Trichlorphenol	196	11.198	11.201	(0.906)	123900	50.0000	52.505	REV
55 2-Chloronaphthalene	127	11.435	11.438	(0.925)	134905	50.0000	51.962	REV
56 Isosafrole	162	11.322	11.325	(0.916)	159369	50.0000	52.716	REV
57 2-Nitroaniline	65	11.651	11.654	(0.942)	119194	50.0000	51.688	REV
58 1,4-Naphthoquinone	158	11.732	11.735	(0.949)	149675	50.0000	53.284	REV
59 Dimethylphthalate	163	11.953	11.956	(0.967)	400674	50.0000	51.759	REV
60 2,6-Dinitrotoluene	165	12.083	12.091	(0.977)	98104	50.0000	51.812	REV
61 1,3-Dinitrobenzene	168	12.013	12.021	(0.972)	69596	50.0000	52.022	REV
62 Acenaphthylene	152	12.121	12.123	(0.980)	591198	50.0000	52.946	REV
63 3-Nitroaniline	138	12.315	12.323	(0.996)	110716	50.0000	52.463	REV
65 Acenaphthene	153	12.417	12.420	(1.004)	338456	50.0000	52.558	REV
66 2,4-Dinitrophenol	184	12.477	12.480	(1.009)	40642	50.0000	45.804	REV
67 Dibenzofuran	168	12.666	12.668	(1.024)	489713	50.0000	52.494	REV
68 4-Nitrophenol	109	12.552	12.560	(1.015)	55021	50.0000	52.450	REV
69 Pentachlorobenzene	250	12.703	12.706	(1.027)	129668	50.0000	51.468	REV
70 2,4-Dinitrotoluene	165	12.720	12.722	(1.029)	125650	50.0000	51.998	REV
72 2,3,4,6-tetrachlorophenol	232	12.930	12.933	(1.046)	88374	50.0000	51.198	REV
74 Diethylphthalate	149	13.076	13.084	(1.058)	399986	50.0000	52.115	REV
75 4-Chlorophenyl-phenylether	204	13.194	13.197	(1.067)	185252	50.0000	51.398	REV
76 Fluorene	166	13.221	13.224	(1.069)	394116	50.0000	51.820	REV
77 5-Nitro-o-toluidine	152	13.291	13.300	(1.075)	124411	50.0000	52.487	REV
78 4,6-Dinitro-2-methylphenol	198	13.372	13.381	(0.907)	63165	50.0000	51.905	REV
79 4-Nitroaniline	138	13.318	13.327	(1.077)	109611	50.0000	51.434	REV
80 N-Nitrosodiphenylamine/DPA	169	13.399	13.408	(1.084)	347278	50.0000	52.912	REV
81 Azobenzene	77	13.448	13.451	(0.913)	421952	50.0000	52.708	REV
83 Diallate #1	234	13.896	13.899	(0.943)	61480	50.0000		REV
84 4-Bromophenyl-phenylether	248	13.982	13.985	(0.949)	103816	50.0000	52.378	REV
85 Phenacetin	108	13.939	13.947	(0.946)	206383	50.0000	53.674	REV
86 Diallate #2	234	14.036	14.039	(0.952)	15101	50.0000		REV
87 Hexachlorobenzene	284	14.241	14.244	(0.966)	106393	50.0000	52.118	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031205.D Page 3
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.907	13.920	(0.944)	90912	50.0000	50.721	REV
90 Pentachlorophenol	266	14.527	14.530	(0.986)	66808	50.0000	52.071	REV
91 Pronamide	173	14.532	14.541	(0.986)	168905	50.0000	51.473	REV
92 Pentachloronitrobenzene	295	14.657	14.659	(0.995)	19311	50.0000	52.308	REV
94 Phenanthrene	178	14.775	14.783	(1.003)	566880	50.0000	52.926	REV
95 Anthracene	178	14.845	14.854	(1.007)	587270	50.0000	52.861	REV
96 Dinoseb	211	14.791	14.800	(1.004)	81442	50.0000	51.628	REV
97 Carbazole	167	15.104	15.113	(1.025)	561273	50.0000	51.346	REV
98 Di-n-Butylphthalate	149	15.671	15.674	(1.063)	659252	50.0000	51.802	REV
101 Isodrin	193	16.491	16.488	(1.119)	66007	50.0000	52.766	REV
102 Fluoranthene	202	16.707	16.710	(1.134)	616208	50.0000	51.082	REV
103 Benzidine	184	16.906	16.908	(0.888)	318631	50.0000	56.444	REV
104 Pyrene	202	17.079	17.082	(0.897)	630934	50.0000	51.977	REV
106 4-Dimethylaminoazobenzene	120	17.543	17.551	(0.921)	183230	50.0000	52.987	REV
107 Chlorobenzilate	251	17.608	17.611	(0.925)	167823	50.0000	52.115	REV
109 3,3'-Dimethylbenzidine	212	18.088	18.091	(0.950)	357503	50.0000	52.692	REV
110 Butylbenzylphthalate	149	18.099	18.102	(0.951)	276583	50.0000	52.863	REV
111 2-Acetylaminofluorene	181	18.530	18.539	(0.973)	263189	50.0000	53.096	REV
112 3,3'-Dichlorobenzidine	252	18.968	18.976	(0.996)	219830	50.0000	53.070	REV
113 Benzo(a)anthracene	228	19.005	19.013	(0.998)	545987	50.0000	51.030	REV
115 bis(2-Ethylhexyl)phthalate	149	19.005	19.003	(0.998)	356118	50.0000	51.778	REV
116 Chrysene	228	19.081	19.084	(1.002)	531786	50.0000	51.921	REV
117 Di-n-octylphthalate	149	19.928	19.936	(0.933)	648202	50.0000	53.735	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.721	20.729	(0.970)	233040	50.0000	51.560	REV
119 Benzo(b)fluoranthene	252	20.705	20.713	(0.969)	567868	50.0000	49.553	REV
120 Benzo(k)fluoranthene	252	20.748	20.762	(0.971)	570535	50.0000	51.639	REV
121 Benzo(a)pyrene	252	21.266	21.274	(0.995)	513489	50.0000	51.702	REV
123 3-MethylCholanthrene	268	21.919	21.927	(1.026)	277529	50.0000	51.705	REV
125 Indeno(1,2,3-cd)pyrene	276	23.516	23.524	(1.101)	528535	50.0000	52.907	REV
126 Dibenz(a,h)anthracene	278	23.516	23.535	(1.101)	448602	50.0000	53.029	REV
127 Benzo(g,h,i)perylene	276	24.131	24.145	(1.130)	440123	50.0000	54.677	REV
M 176 Diallate (total)	234				76581	50.0000	51.995	

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031205.D

Date : 12-MAR-2007 12:39

Client ID: HSL_50

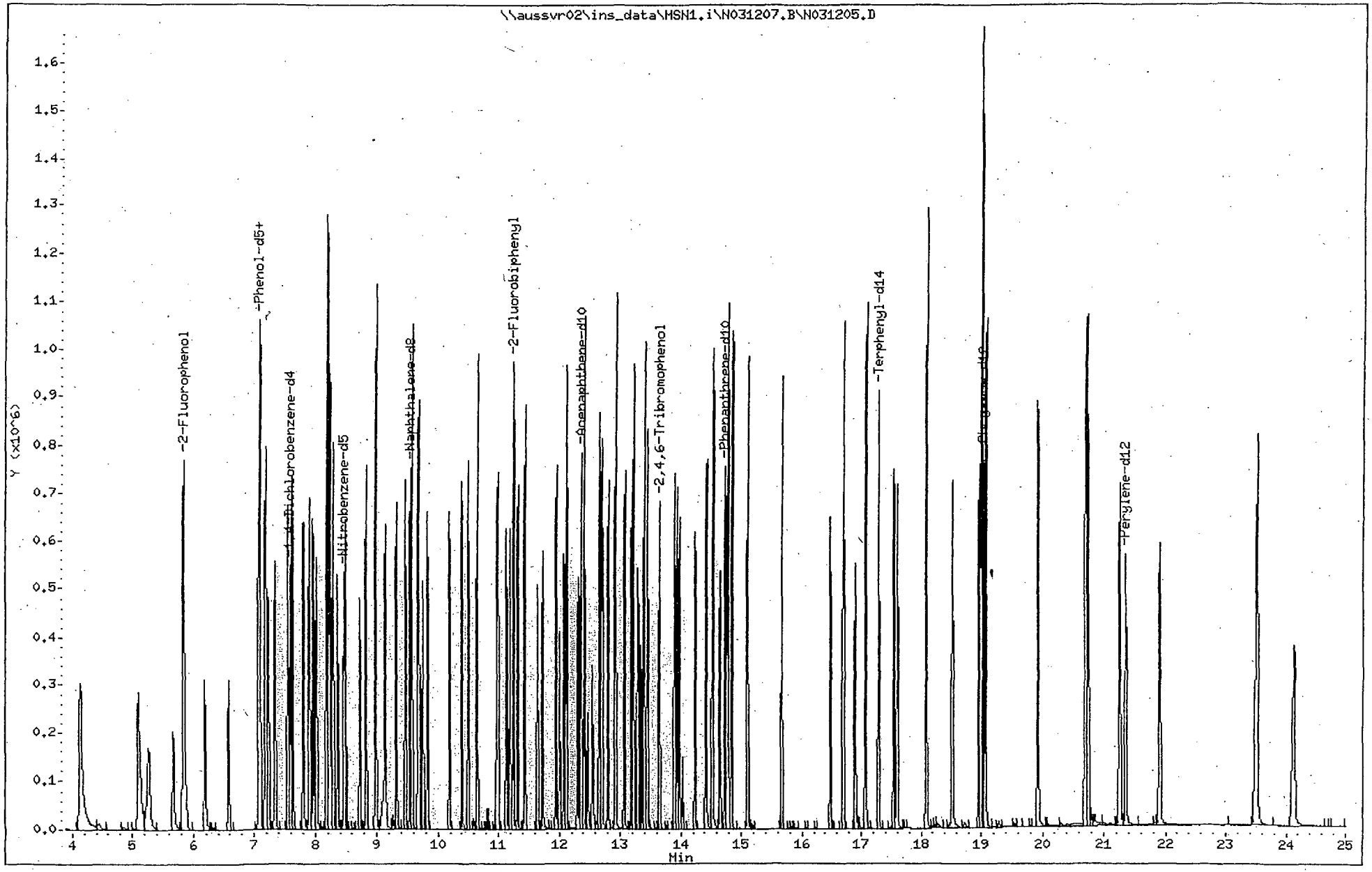
Sample Info: Icalib_3;HSL_50;;1;3;3;;;; 06MSSV0442

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031206.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031206.D
Lab Smp Id: Icalib_4 Client Smp ID: HSL_75
Inj Date : 12-MAR-2007 13:10
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;HSL_75;;1;4;3;;;; 06MSSV0443
Misc Info : ; 2-HSL.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.607	7.604	(1.000)	117020	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.549	9.547	(1.000)	445526	40.0000		REV
* 64 Acenaphthene-d10	164	12.366	12.363	(1.000)	236587	40.0000		REV
* 93 Phenanthrene-d10	188	14.740	14.743	(1.000)	428866	40.0000		REV
* 114 Chrysene-d12	240	19.040	19.032	(1.000)	362106	40.0000		REV
* 122 Perylene-d12	264	21.365	21.363	(1.000)	330490	40.0000		REV
$ 6 2-Fluorophenol	112	5.848	5.848	(0.769)	660080	150.000	150.20	REV
$ 12 Phenol-d5	99	7.094	7.094	(0.933)	742741	150.000	147.50	REV
$ 82 2,4,6-Tribromophenol	330	13.655	13.656	(0.926)	125019	150.000	147.34	REV
$ 29 Nitrobenzene-d5	82	8.476	8.476	(0.888)	330490	75.0000	75.582	REV
$ 54 2-Fluorobiphenyl	172	11.254	11.255	(0.910)	542047	75.0000	73.563	REV
$ 105 Terphenyl-d14	244	17.297	17.297	(0.908)	542100	75.0000	73.536	REV
1 Pyridine	79	4.143	4.144	(0.545)	420162	75.0000	75.339	REV
2 N-Nitrosodimethylamine	74	4.138	4.138	(0.544)	232915	75.0000	74.812	REV
3 2-Picoline	93	5.098	5.098	(0.670)	433246	75.0000	74.578	REV
4 N-Nitrosomethylethylamine	88	5.271	5.271	(0.693)	194911	75.0000	74.907	REV
5 Methyl methanesulfonate	80	5.681	5.681	(0.747)	194087	75.0000	74.924	REV
7 N-Nitrosodiethylamine	102	6.193	6.193	(0.814)	177143	75.0000	74.990	REV
8 Ethyl methanesulfonate	79	6.587	6.587	(0.866)	260651	75.0000	74.866	REV
9 Pentachloroethane	117	7.202	7.202	(0.947)	107059	75.0000	75.055	REV
10 Aniline	93	7.191	7.191	(0.945)	515668	75.0000	75.597	REV
11 bis(2-Chloroethyl)ether	93	7.245	7.245	(0.952)	352381	75.0000	73.637	REV
13 Phenol	94	7.111	7.111	(0.935)	407541	75.0000	74.224	REV
14 2-Chlorophenol	128	7.353	7.353	(0.967)	329767	75.0000	74.595	REV
15 1,3-Dichlorobenzene	146	7.558	7.558	(0.994)	366790	75.0000	74.536	REV
16 1,4-Dichlorobenzene	146	7.634	7.634	(1.004)	358742	75.0000	74.585	REV
18 1,2-Dichlorobenzene	146	7.914	7.914	(1.040)	343963	75.0000	74.786	REV
19 Benzyl Alcohol	108	7.817	7.817	(1.028)	216903	75.0000	74.884	REV
20 bis(2-Chloroisopropyl)ether	45	8.028	8.028	(1.055)	489293	75.0000	74.917	REV
21 2-Methylphenol	108	7.974	7.974	(1.048)	303264	75.0000	74.772	REV
22 Acetophenone	105	8.233	8.233	(1.082)	424247	75.0000	76.602	REV
23 N-Nitroso-di-n-propylamine	70	8.254	8.255	(1.085)	235021	75.0000	74.132	REV
24 N-Nitrosopyrrolidine	100	8.249	8.249	(1.084)	156921	75.0000	75.088	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031206.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.200	8.201	(1.078)	565492	150.000	149.61	REV
27 o-Toluidine	106	8.303	8.303	(1.091)	483719	75.0000	75.262	REV
28 Hexachloroethane	117	8.368	8.368	(1.100)	128796	75.0000	75.314	REV
30 Nitrobenzene	77	8.508	8.507	(0.891)	353026	75.0000	75.000	REV
31 N-Nitrosopiperidine	114	8.735	8.734	(0.915)	155010	75.0000	75.297	REV
32 Isophorone	82	8.837	8.838	(0.925)	611186	75.0000	74.819	REV
33 2-Nitrophenol	139	8.983	8.983	(0.941)	152887	75.0000	75.800	REV
34 2,4-Dimethyphenol	107	8.994	8.994	(0.942)	294771	75.0000	74.598	REV
35 Bis(2-chloroethoxy)methane	93	9.145	9.145	(0.958)	340551	75.0000	74.665	REV
36 2,4-Dichlorophenol	162	9.328	9.329	(0.977)	236197	75.0000	76.008	REV
38 1,2,4-Trichlorobenzene	180	9.474	9.474	(0.992)	257730	75.0000	74.256	REV
39 Benzoic Acid	122	9.161	9.161	(0.959)	113435	75.0000	68.610	REV
41 Naphthalene	128	9.582	9.582	(1.003)	824158	75.0000	74.244	REV
42 4-Chloroaniline	127	9.684	9.685	(1.014)	340173	75.0000	76.255	REV
43 2,6-Dichlorophenol	162	9.695	9.695	(1.015)	227323	75.0000	74.868	REV
44 Hexachloropropene	213	9.760	9.760	(1.022)	161196	75.0000	77.551	REV
45 Hexachlorobutadiene	225	9.835	9.836	(1.030)	141598	75.0000	74.216	REV
46 N-Nitroso-di-n-butylamine	84	10.197	10.197	(1.068)	193947	75.0000	76.449	REV
47 4-Chloro-3-Methylphenol	107	10.402	10.402	(1.089)	259216	75.0000	77.391	REV
48 Safrole	162	10.510	10.510	(1.101)	215127	75.0000	75.541	REV
49 2-Methylnaphthalene	142	10.655	10.656	(1.116)	544075	75.0000	74.722	REV
50 Hexachlorocyclopentadiene	237	11.006	11.007	(0.890)	128545	75.0000	79.833	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.990	10.990	(0.889)	225022	75.0000	72.871	REV
52 2,4,6-Trichlorophenol	196	11.141	11.141	(0.901)	158603	75.0000	75.822	REV
53 2,4,5-Trichlorphenol	196	11.200	11.201	(0.906)	172814	75.0000	75.420	REV
55 2-Chloronaphthalene	127	11.438	11.438	(0.925)	186911	75.0000	74.142	REV
56 Isosafrole	162	11.324	11.325	(0.916)	219682	75.0000	74.836	REV
57 2-Nitroaniline	65	11.654	11.654	(0.942)	169903	75.0000	75.877	REV
58 1,4-Naphthoquinone	158	11.734	11.735	(0.949)	210998	75.0000	77.358	REV
59 Dimethylphthalate	163	11.956	11.956	(0.967)	556110	75.0000	73.982	REV
60 2,6-Dinitrotoluene	165	12.091	12.091	(0.978)	140408	75.0000	76.368	REV
61 1,3-Dinitrobenzene	168	12.020	12.021	(0.972)	101939	75.0000	78.472	REV
62 Acenaphthylene	152	12.123	12.123	(0.980)	806490	75.0000	74.383	REV
63 3-Nitroaniline	138	12.323	12.323	(0.997)	156848	75.0000	76.542	REV
65 Acenaphthene	153	12.420	12.420	(1.004)	461249	75.0000	73.765	REV
66 2,4-Dinitrophenol	184	12.479	12.480	(1.009)	64548	75.0000	69.986	REV
67 Dibenzofuran	168	12.668	12.668	(1.024)	667425	75.0000	73.680	REV
68 4-Nitrophenol	109	12.560	12.560	(1.016)	79157	75.0000	77.710	REV
69 Pentachlorobenzene	250	12.706	12.706	(1.027)	177937	75.0000	72.736	REV
70 2,4-Dinitrotoluene	165	12.722	12.722	(1.029)	179937	75.0000	76.686	REV
72 2,3,4,6-tetrachlorophenol	232	12.932	12.933	(1.046)	123884	75.0000	73.913	REV
74 Diethylphthalate	149	13.083	13.084	(1.058)	555632	75.0000	74.556	REV
75 4-Chlorophenyl-phenylether	204	13.197	13.197	(1.067)	256975	75.0000	73.426	REV
76 Fluorene	166	13.224	13.224	(1.069)	537615	75.0000	72.798	REV
77 5-Nitro-o-toluidine	152	13.299	13.300	(1.075)	175932	75.0000	76.438	REV
78 4,6-Dinitro-2-methylphenol	198	13.380	13.381	(0.908)	94315	75.0000	76.801	REV
79 4-Nitroaniline	138	13.326	13.327	(1.078)	156677	75.0000	75.714	REV
80 N-Nitrosodiphenylamine/DPA	169	13.407	13.408	(1.084)	477644	75.0000	74.948	REV
81 Azobenzene	77	13.450	13.451	(0.913)	584278	75.0000	74.292	REV
83 Diallate #1	234	13.898	13.899	(0.943)	86164	75.0000		REV
84 4-Bromophenyl-phenylether	248	13.984	13.985	(0.949)	145404	75.0000	74.673	REV
85 Phenacetin	108	13.947	13.947	(0.946)	287204	75.0000	76.029	REV
86 Diallate #2	234	14.038	14.039	(0.952)	21372	75.0000		REV
87 Hexachlorobenzene	284	14.243	14.244	(0.966)	146158	75.0000	72.878	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031206.D Page 3
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.920	13.920	(0.944)	138583	75.0000	76.604	REV
90 Pentachlorophenol	266	14.529	14.530	(0.986)	95372	75.0000	75.664	REV
91 Pronamide	173	14.540	14.541	(0.986)	228961	75.0000	71.023	REV
92 Pentachloronitrobenzene	295	14.659	14.659	(0.995)	27063	75.0000	74.618	REV
94 Phenanthrene	178	14.783	14.783	(1.003)	766561	75.0000	72.849	REV
95 Anthracene	178	14.853	14.854	(1.008)	794966	75.0000	72.836	REV
96 Dinoseb	211	14.799	14.800	(1.004)	120438	75.0000	75.931	REV
97 Carbazole	167	15.112	15.113	(1.025)	765722	75.0000	71.303	REV
98 Di-n-Butylphthalate	149	15.673	15.674	(1.063)	894803	75.0000	71.569	REV
101 Isodrin	193	16.488	16.488	(1.119)	90094	75.0000	73.309	REV
102 Fluoranthene	202	16.709	16.710	(1.134)	837232	75.0000	70.646	REV
103 Benzidine	184	16.909	16.908	(0.888)	447972	75.0000	82.618	REV
104 Pyrene	202	17.081	17.082	(0.897)	861417	75.0000	73.882	REV
106 4-Dimethylaminoazobenzene	120	17.551	17.551	(0.922)	250582	75.0000	75.442	REV
107 Chlorobenzilate	251	17.610	17.611	(0.925)	233041	75.0000	75.342	REV
109 3,3'-Dimethylbenzidine	212	18.090	18.091	(0.950)	455362	75.0000	69.874	REV
110 Butylbenzylphthalate	149	18.101	18.102	(0.951)	370882	75.0000	73.800	REV
111 2-Acetylaminofluorene	181	18.538	18.539	(0.974)	363998	75.0000	76.451	REV
112 3,3'-Dichlorobenzidine	252	18.975	18.976	(0.997)	301010	75.0000	75.655	REV
113 Benzo(a)anthracene	228	19.013	19.013	(0.999)	748375	75.0000	72.820	REV
115 bis(2-Ethylhexyl)phthalate	149	19.002	19.003	(0.998)	474194	75.0000	71.779	REV
116 Chrysene	228	19.083	19.084	(1.002)	727307	75.0000	73.930	REV
117 Di-n-octylphthalate	149	19.936	19.936	(0.933)	887079	75.0000	75.789	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.729	20.729	(0.970)	325151	75.0000	74.141	REV
119 Benzo(b)fluoranthene	252	20.713	20.713	(0.969)	783452	75.0000	70.457	REV
120 Benzo(k)fluoranthene	252	20.761	20.762	(0.972)	786199	75.0000	73.337	REV
121 Benzo(a)pyrene	252	21.274	21.274	(0.996)	710097	75.0000	73.686	REV
123 3-MethylCholanthrene	268	21.926	21.927	(1.026)	385819	75.0000	74.080	REV
125 Indeno(1,2,3-cd)pyrene	276	23.524	23.524	(1.101)	726754	75.0000	74.976	REV
126 Dibenz(a,h)anthracene	278	23.534	23.535	(1.102)	613493	75.0000	74.741	REV
127 Benzo(g,h,i)perylene	276	24.144	24.145	(1.130)	598379	75.0000	76.612	REV
M 176 Diallate (total)	234				107536	75.0000	74.319	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

250

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031206.D

Date : 12-MAR-2007 13:10

Client ID: HSL_75

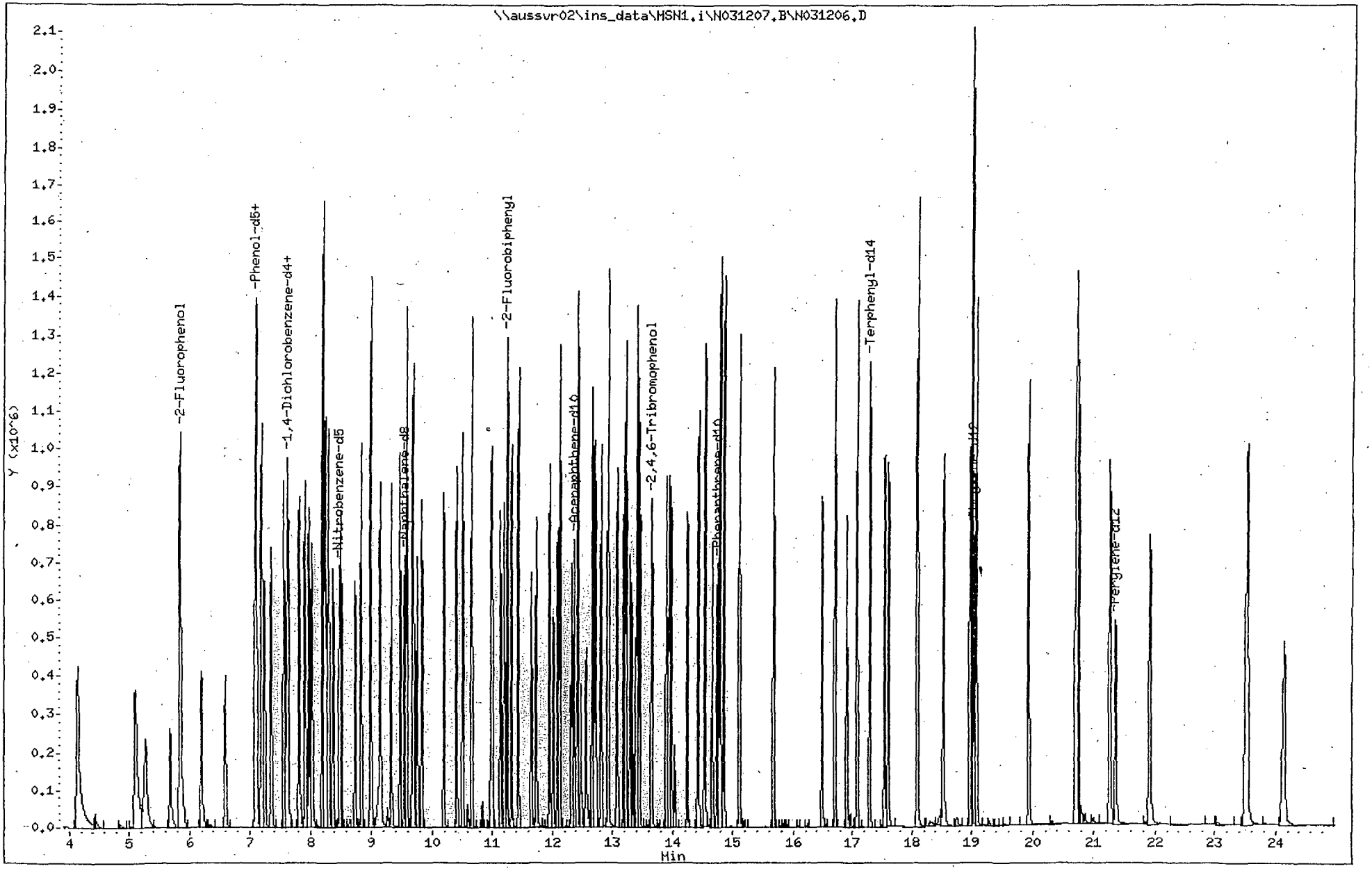
Sample Info: Icalib_4;HSL_75;;1;4;3;;;; 06MSSV0443

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031207.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207.D
Lab Smp Id: Icalib_5 Client Smp ID: HSL_100
Inj Date : 12-MAR-2007 13:41
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;HSL_100;;1;5;3;;;; 06MSSV0444
Misc Info : ; 2-HSL.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.612	7.604	(1.000)	122888	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.554	9.547	(1.000)	472655	40.0000		REV
* 64 Acenaphthene-d10	164	12.371	12.363	(1.000)	249772	40.0000		REV
* 93 Phenanthrene-d10	188	14.745	14.743	(1.000)	457130	40.0000		REV
* 114 Chrysene-d12	240	19.045	19.032	(1.000)	382752	40.0000		REV
* 122 Perylene-d12	264	21.370	21.363	(1.000)	351720	40.0000		REV
$ 6 2-Fluorophenol	112	5.853	5.848	(0.769)	875153	200.000	189.63	REV
$ 12 Phenol-d5	99	7.099	7.094	(0.933)	982600	200.000	185.81	REV
$ 82 2,4,6-Tribromophenol	330	13.660	13.656	(0.926)	173960	200.000	192.34	REV
$ 29 Nitrobenzene-d5	82	8.481	8.476	(0.888)	447670	100.000	96.504	REV
$ 54 2-Fluorobiphenyl	172	11.259	11.255	(0.910)	705685	100.000	90.716	REV
$ 105 Terphenyl-d14	244	17.302	17.297	(0.908)	723993	100.000	92.913	REV
1 Pyridine	79	4.148	4.144	(0.545)	565773	100.000	96.604	REV
2 N-Nitrosodimethylamine	74	4.143	4.138	(0.544)	316397	100.000	96.774	REV
3 2-Picoline	93	5.103	5.098	(0.670)	591322	100.000	96.928	REV
4 N-Nitrosomethylethylamine	88	5.276	5.271	(0.693)	266731	100.000	97.614	REV
5 Methyl methanesulfonate	80	5.691	5.681	(0.748)	258451	100.000	95.007	REV
7 N-Nitrosodiethylamine	102	6.198	6.193	(0.814)	240446	100.000	96.928	REV
8 Ethyl methanesulfonate	79	6.592	6.587	(0.866)	354427	100.000	96.940	REV
9 Pentachloroethane	117	7.202	7.202	(0.946)	141484	100.000	94.453	REV
10 Aniline	93	7.197	7.191	(0.945)	679292	100.000	94.829	REV
11 bis(2-Chloroethyl)ether	93	7.251	7.245	(0.953)	481210	100.000	95.756	REV
13 Phenol	94	7.121	7.111	(0.936)	539451	100.000	93.556	REV
14 2-Chlorophenol	128	7.358	7.353	(0.967)	443457	100.000	95.522	REV
15 1,3-Dichlorobenzene	146	7.563	7.558	(0.994)	485228	100.000	93.896	REV
16 1,4-Dichlorobenzene	146	7.634	7.634	(1.003)	472920	100.000	93.628	REV
18 1,2-Dichlorobenzene	146	7.914	7.914	(1.040)	452008	100.000	93.585	REV
19 Benzyl Alcohol	108	7.822	7.817	(1.028)	293575	100.000	96.514	REV
20 bis(2-Chloroisopropyl)ether	45	8.028	8.028	(1.055)	649557	100.000	94.706	REV
21 2-Methylphenol	108	7.984	7.974	(1.049)	405094	100.000	95.110	REV
22 Acetophenone	105	8.238	8.233	(1.082)	558142	100.000	95.966(Q)	REV
23 N-Nitroso-di-n-propylamine	70	8.265	8.255	(1.086)	316507	100.000	95.067	REV
24 N-Nitrosopyrrolidine	100	8.260	8.249	(1.085)	213836	100.000	97.436	REV

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Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031207.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.216	8.201	(1.079)	725765	200.000	182.85	REV
27 o-Toluidine	106	8.308	8.303	(1.091)	639533	100.000	94.753	REV
28 Hexachloroethane	117	8.373	8.368	(1.100)	172086	100.000	95.824	REV
30 Nitrobenzene	77	8.513	8.507	(0.891)	473039	100.000	94.729	REV
31 N-Nitrosopiperidine	114	8.745	8.734	(0.915)	209237	100.000	95.805	REV
32 Isophorone	82	8.842	8.838	(0.925)	805855	100.000	92.987	REV
33 2-Nitrophenol	139	8.988	8.983	(0.941)	205549	100.000	96.060	REV
34 2,4-Dimethyphenol	107	8.999	8.994	(0.942)	383503	100.000	91.484	REV
35 Bis(2-chloroethoxy)methane	93	9.150	9.145	(0.958)	453934	100.000	93.812	REV
36 2,4-Dichlorophenol	162	9.339	9.329	(0.977)	310068	100.000	94.053	REV
38 1,2,4-Trichlorobenzene	180	9.479	9.474	(0.992)	342717	100.000	93.075	REV
39 Benzoic Acid	122	9.188	9.161	(0.962)	175436	100.000	96.538	REV
41 Naphthalene	128	9.587	9.582	(1.003)	1069961	100.000	90.855	REV
42 4-Chloroaniline	127	9.689	9.685	(1.014)	438096	100.000	92.570	REV
43 2,6-Dichlorophenol	162	9.700	9.695	(1.015)	299961	100.000	93.121	REV
44 Hexachloropropene	213	9.759	9.760	(1.021)	218005	100.000	98.862	REV
45 Hexachlorobutadiene	225	9.835	9.836	(1.029)	186748	100.000	92.262	REV
46 N-Nitroso-di-n-butylamine	84	10.202	10.197	(1.068)	258043	100.000	95.876	REV
47 4-Chloro-3-Methylphenol	107	10.407	10.402	(1.089)	343827	100.000	96.761	REV
48 Safrole	162	10.509	10.510	(1.100)	285045	100.000	94.347	REV
49 2-Methylnaphthalene	142	10.661	10.656	(1.116)	715823	100.000	92.667	REV
50 Hexachlorocyclopentadiene	237	11.006	11.007	(0.890)	171259	100.000	100.74	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.990	10.990	(0.888)	298890	100.000	91.683	REV
52 2,4,6-Trichlorophenol	196	11.141	11.141	(0.901)	210655	100.000	95.390	REV
53 2,4,5-Trichlorphenol	196	11.205	11.201	(0.906)	228650	100.000	94.520	REV
55 2-Chloronaphthalene	127	11.443	11.438	(0.925)	247261	100.000	92.904	REV
56 Isosafrole	162	11.330	11.325	(0.916)	291556	100.000	94.078	REV
57 2-Nitroaniline	65	11.659	11.654	(0.942)	234652	100.000	99.262	REV
58 1,4-Naphthoquinone	158	11.740	11.735	(0.949)	274273	100.000	95.248	REV
59 Dimethylphthalate	163	11.966	11.956	(0.967)	758815	100.000	95.620	REV
60 2,6-Dinitrotoluene	165	12.096	12.091	(0.978)	191568	100.000	98.693	REV
61 1,3-Dinitrobenzene	168	12.026	12.021	(0.972)	143973	100.000	104.98	REV
62 Acenaphthylene	152	12.128	12.123	(0.980)	1043532	100.000	91.164	REV
63 3-Nitroaniline	138	12.328	12.323	(0.997)	215732	100.000	99.720	REV
65 Acenaphthene	153	12.425	12.420	(1.004)	605179	100.000	91.674	REV
66 2,4-Dinitrophenol	184	12.490	12.480	(1.010)	99281	100.000	98.417	REV
67 Dibenzofuran	168	12.673	12.668	(1.024)	882689	100.000	92.300	REV
68 4-Nitrophenol	109	12.570	12.560	(1.016)	111759	100.000	103.92	REV
69 Pentachlorobenzene	250	12.711	12.706	(1.027)	236239	100.000	91.470	REV
70 2,4-Dinitrotoluene	165	12.732	12.722	(1.029)	249474	100.000	100.71	REV
72 2,3,4,6-tetrachlorophenol	232	12.937	12.933	(1.046)	171856	100.000	97.122	REV
74 Diethylphthalate	149	13.088	13.084	(1.058)	752075	100.000	95.588	REV
75 4-Chlorophenyl-phenylether	204	13.202	13.197	(1.067)	346734	100.000	93.844	REV
76 Fluorene	166	13.229	13.224	(1.069)	726479	100.000	93.179	REV
77 5-Nitro-o-toluidine	152	13.310	13.300	(1.076)	239766	100.000	98.674	REV
78 4,6-Dinitro-2-methylphenol	198	13.391	13.381	(0.908)	134438	100.000	101.35	REV
79 4-Nitroaniline	138	13.342	13.327	(1.079)	213380	100.000	97.673	REV
80 N-Nitrosodiphenylamine/DPA	169	13.412	13.408	(1.084)	631679	100.000	93.886	REV
81 Azobenzene	77	13.455	13.451	(0.913)	782651	100.000	93.362	REV
83 Diallate #1	234	13.903	13.899	(0.943)	112977	100.000		REV
84 4-Bromophenyl-phenylether	248	13.984	13.985	(0.948)	195038	100.000	93.969	REV
85 Phenacetin	108	13.963	13.947	(0.947)	386378	100.000	95.959	REV
86 Diallate #2	234	14.038	14.039	(0.952)	34807	100.000		REV
87 Hexachlorobenzene	284	14.248	14.244	(0.966)	198980	100.000	93.082	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031207.D Page 3
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.930	13.920	(0.945)	198224	100.000	101.50	REV
90 Pentachlorophenol	266	14.534	14.530	(0.986)	134110	100.000	99.818	REV
91 Pronamide	173	14.545	14.541	(0.986)	301015	100.000	87.601	REV
92 Pentachloronitrobenzene	295	14.664	14.659	(0.995)	36501	100.000	94.418	REV
94 Phenanthrene	178	14.788	14.783	(1.003)	1012977	100.000	90.314	REV
95 Anthracene	178	14.858	14.854	(1.008)	1055115	100.000	90.694	REV
96 Dinoseb	211	14.804	14.800	(1.004)	169227	100.000	98.970	REV
97 Carbazole	167	15.117	15.113	(1.025)	1006555	100.000	87.934	REV
98 Di-n-Butylphthalate	149	15.678	15.674	(1.063)	1173056	100.000	88.023	REV
101 Isodrin	193	16.493	16.488	(1.119)	119656	100.000	91.344	REV
102 Fluoranthene	202	16.714	16.710	(1.134)	1104807	100.000	87.460	REV
103 Benzidine	184	16.914	16.908	(0.888)	565027	100.000	98.585	REV
104 Pyrene	202	17.086	17.082	(0.897)	1129131	100.000	91.619	REV
106 4-Dimethylaminoazobenzene	120	17.551	17.551	(0.922)	328005	100.000	93.425	REV
107 Chlorobenzilate	251	17.615	17.611	(0.925)	307319	100.000	93.996	REV
109 3,3'-Dimethylbenzidine	212	18.095	18.091	(0.950)	553343	100.000	80.329	REV
110 Butylbenzylphthalate	149	18.106	18.102	(0.951)	476980	100.000	89.792	REV
111 2-Acetylaminofluorene	181	18.549	18.539	(0.974)	486303	100.000	96.629	REV
112 3,3'-Dichlorobenzidine	252	18.980	18.976	(0.997)	394578	100.000	93.823	REV
113 Benzo(a)anthracene	228	19.018	19.013	(0.999)	991257	100.000	91.251	REV
115 bis(2-Ethylhexyl)phthalate	149	19.007	19.003	(0.998)	600860	100.000	86.046	REV
116 Chrysene	228	19.088	19.084	(1.002)	967141	100.000	93.006	REV
117 Di-n-octylphthalate	149	19.935	19.936	(0.933)	1154027	100.000	92.645	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.739	20.729	(0.970)	439496	100.000	94.165	REV
119 Benzo(b)fluoranthene	252	20.728	20.713	(0.970)	1103271	100.000	93.230	REV
120 Benzo(k)fluoranthene	252	20.766	20.762	(0.972)	1013053	100.000	88.794	REV
121 Benzo(a)pyrene	252	21.279	21.274	(0.996)	966899	100.000	94.278	REV
123 3-MethylCholanthrene	268	21.937	21.927	(1.027)	524842	100.000	94.691	REV
125 Indeno(1,2,3-cd)pyrene	276	23.545	23.524	(1.102)	973372	100.000	94.357	REV
126 Dibenz(a,h)anthracene	278	23.545	23.535	(1.102)	829408	100.000	94.946	REV
127 Benzo(g,h,i)perylene	276	24.160	24.145	(1.131)	779478	100.000	93.775	REV
M 176 Diallate (total)	234				147784	100.000	95.819	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031207.D

Date : 12-MAR-2007 13:41

Client ID: HSL_100

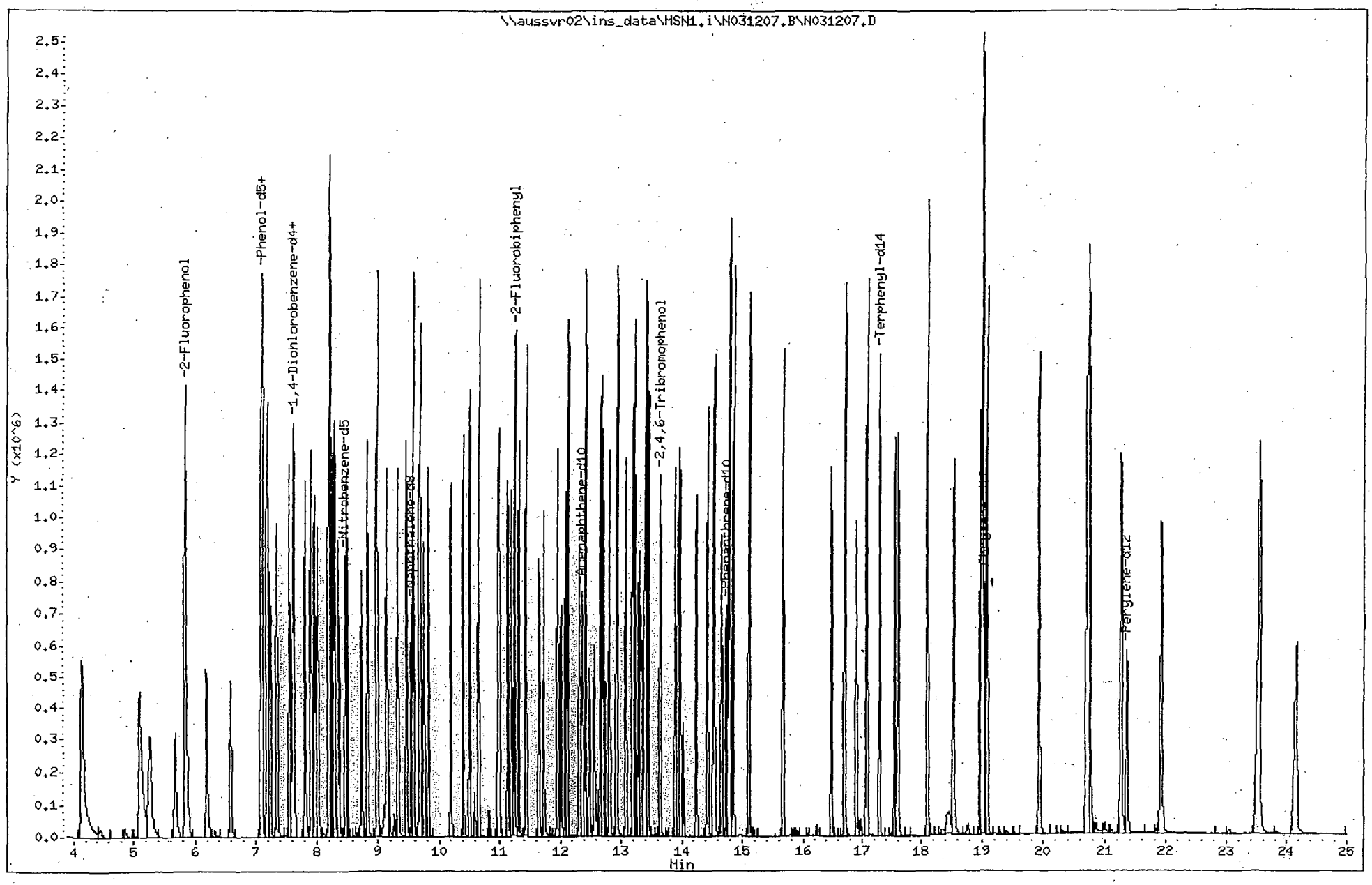
Sample Info: Icalib_5;HSL_100;;1;5;3;;;; 06MSSV0444

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031208.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031208.D
Lab Smp Id: Icalib_6 Client Smp ID: HSL_120
Inj Date : 12-MAR-2007 14:12
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;HSL_120;;1;6;3;;;; 06MSSV0445
Misc Info : ; 2-HSL.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.608	7.604	(1.000)	125760	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.556	9.547	(1.000)	500485	40.0000		REV
* 64 Acenaphthene-d10	164	12.372	12.363	(1.000)	265813	40.0000		REV
* 93 Phenanthrene-d10	188	14.751	14.743	(1.000)	494403	40.0000		REV
* 114 Chrysene-d12	240	19.046	19.032	(1.000)	406554	40.0000		REV
* 122 Perylene-d12	264	21.377	21.363	(1.000)	371030	40.0000		REV
$ 6 2-Fluorophenol	112	5.860	5.848	(0.770)	1057792	240.000	223.98	REV
$ 12 Phenol-d5	99	7.106	7.094	(0.934)	1205595	240.000	222.77	REV
$ 82 2,4,6-Tribromophenol	330	13.667	13.656	(0.926)	222969	240.000	227.94	REV
$ 29 Nitrobenzene-d5	82	8.487	8.476	(0.888)	555892	120.000	113.17	REV
$ 54 2-Fluorobiphenyl	172	11.260	11.255	(0.910)	863148	120.000	104.26	REV
$ 105 Terphenyl-d14	244	17.303	17.297	(0.909)	907794	120.000	109.68	REV
1 Pyridine	79	4.144	4.144	(0.545)	680931	120.000	113.61	REV
2 N-Nitrosodimethylamine	74	4.144	4.138	(0.545)	389503	120.000	116.41	REV
3 2-Picoline	93	5.093	5.098	(0.670)	726719	120.000	116.40	REV
4 N-Nitrosomethylethylamine	88	5.277	5.271	(0.694)	329605	120.000	117.87	REV
5 Methyl methanesulfonate	80	5.692	5.681	(0.748)	317879	120.000	114.18	REV
7 N-Nitrosodiethylamine	102	6.200	6.193	(0.815)	298418	120.000	117.55	REV
8 Ethyl methanesulfonate	79	6.599	6.587	(0.867)	445236	120.000	119.00	REV
9 Pentachloroethane	117	7.203	7.202	(0.947)	168984	120.000	110.24	REV
10 Aniline	93	7.198	7.191	(0.946)	811088	120.000	110.64	REV
11 bis(2-Chloroethyl)ether	93	7.252	7.245	(0.953)	623475	120.000	121.23	REV
13 Phenol	94	7.128	7.111	(0.937)	654407	120.000	110.90	REV
14 2-Chlorophenol	128	7.360	7.353	(0.967)	547457	120.000	115.23	REV
15 1,3-Dichlorobenzene	146	7.565	7.558	(0.994)	579035	120.000	109.49	REV
16 1,4-Dichlorobenzene	146	7.635	7.634	(1.004)	562678	120.000	108.85	REV
18 1,2-Dichlorobenzene	146	7.915	7.914	(1.040)	541370	120.000	109.53	REV
19 Benzyl Alcohol	108	7.829	7.817	(1.029)	367490	120.000	118.06	REV
20 bis(2-Chloroisopropyl)ether	45	8.029	8.028	(1.055)	790733	120.000	112.66	REV
21 2-Methylphenol	108	7.985	7.974	(1.050)	505795	120.000	116.04	REV
22 Acetophenone	105	8.244	8.233	(1.084)	662975	120.000	111.39(Q)	REV
23 N-Nitroso-di-n-propylamine	70	8.277	8.255	(1.088)	395568	120.000	116.10	REV
24 N-Nitrosopyrrolidine	100	8.298	8.249	(1.091)	267669	120.000	119.18	REV

MM 2-22-07

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031208.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.223	8.201	(1.081)	871800	240.000	214.62	REV
27 o-Toluidine	106	8.315	8.303	(1.093)	777004	120.000	112.49	REV
28 Hexachloroethane	117	8.374	8.368	(1.101)	208424	120.000	113.41	REV
30 Nitrobenzene	77	8.514	8.507	(0.891)	584340	120.000	110.51	REV
31 N-Nitrosopiperidine	114	8.752	8.734	(0.916)	261725	120.000	113.17	REV
32 Isophorone	82	8.849	8.838	(0.926)	1012316	120.000	110.32	REV
33 2-Nitrophenol	139	8.994	8.983	(0.941)	256470	120.000	113.19	REV
34 2,4-Dimethyphenol	107	9.005	8.994	(0.942)	470201	120.000	105.93	REV
35 Bis(2-chloroethoxy)methane	93	9.156	9.145	(0.958)	566763	120.000	110.62	REV
36 2,4-Dichlorophenol	162	9.340	9.329	(0.977)	380775	120.000	109.08	REV
38 1,2,4-Trichlorobenzene	180	9.480	9.474	(0.992)	415115	120.000	106.47	REV
39 Benzoic Acid	122	9.210	9.161	(0.964)	238939	120.000	121.99	REV
41 Naphthalene	128	9.588	9.582	(1.003)	1298577	120.000	104.14	REV
42 4-Chloroaniline	127	9.690	9.685	(1.014)	532031	120.000	106.17	REV
43 2,6-Dichlorophenol	162	9.707	9.695	(1.016)	363459	120.000	106.56	REV
44 Hexachloropropene	213	9.766	9.760	(1.022)	266899	120.000	114.30	REV
45 Hexachlorobutadiene	225	9.836	9.836	(1.029)	226029	120.000	105.46	REV
46 N-Nitroso-di-n-butylamine	84	10.208	10.197	(1.068)	318499	120.000	111.76	REV
47 4-Chloro-3-Methylphenol	107	10.413	10.402	(1.090)	422123	120.000	112.19	REV
48 Safrole	162	10.516	10.510	(1.101)	351720	120.000	109.94	REV
49 2-Methylnaphthalene	142	10.667	10.656	(1.116)	876663	120.000	107.18	REV
50 Hexachlorocyclopentadiene	237	11.007	11.007	(0.890)	212210	120.000	117.30	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.991	10.990	(0.888)	367165	120.000	105.83	REV
52 2,4,6-Trichlorophenol	196	11.147	11.141	(0.901)	260060	120.000	110.66	REV
53 2,4,5-Trichlorphenol	196	11.207	11.201	(0.906)	285042	120.000	110.72	REV
55 2-Chloronaphthalene	127	11.449	11.438	(0.925)	301746	120.000	106.53	REV
56 Isosafrole	162	11.331	11.325	(0.916)	358217	120.000	108.61	REV
57 2-Nitroaniline	65	11.665	11.654	(0.943)	299204	120.000	118.93	REV
58 1,4-Naphthoquinone	158	11.741	11.735	(0.949)	339976	120.000	110.94	REV
59 Dimethylphthalate	163	11.973	11.956	(0.968)	960226	120.000	113.70	REV
60 2,6-Dinitrotoluene	165	12.102	12.091	(0.978)	241637	120.000	116.98	REV
61 1,3-Dinitrobenzene	168	12.032	12.021	(0.973)	186904	120.000	128.06	REV
62 Acenaphthylene	152	12.135	12.123	(0.981)	1275916	120.000	104.74	REV
63 3-Nitroaniline	138	12.334	12.323	(0.997)	275216	120.000	119.54	REV
65 Acenaphthene	153	12.426	12.420	(1.004)	743999	120.000	105.90	REV
66 2,4-Dinitrophenol	184	12.496	12.480	(1.010)	135785	120.000	124.27	REV
67 Dibenzofuran	168	12.674	12.668	(1.024)	1092138	120.000	107.31	REV
68 4-Nitrophenol	109	12.577	12.560	(1.017)	143853	120.000	125.70	REV
69 Pentachlorobenzene	250	12.717	12.706	(1.028)	297757	120.000	108.33	REV
70 2,4-Dinitrotoluene	165	12.739	12.722	(1.030)	319338	120.000	121.13	REV
72 2,3,4,6-tetrachlorophenol	232	12.944	12.933	(1.046)	220013	120.000	116.83	REV
74 Diethylphthalate	149	13.095	13.084	(1.058)	949863	120.000	113.44	REV
75 4-Chlorophenyl-phenylether	204	13.203	13.197	(1.067)	435370	120.000	110.72	REV
76 Fluorene	166	13.235	13.224	(1.070)	900269	120.000	108.50	REV
77 5-Nitro-o-toluidine	152	13.316	13.300	(1.076)	304865	120.000	117.89	REV
78 4,6-Dinitro-2-methylphenol	198	13.402	13.381	(0.909)	171171	120.000	118.60(Q)	REV
79 4-Nitroaniline	138	13.354	13.327	(1.079)	276688	120.000	119.01	REV
80 N-Nitrosodiphenylamine/DPA	169	13.419	13.408	(1.085)	777859	120.000	108.64	REV
81 Azobenzene	77	13.462	13.451	(0.913)	970159	120.000	107.00	REV
83 Diallate #1	234	13.904	13.899	(0.943)	142295	120.000		REV
84 4-Bromophenyl-phenylether	248	13.991	13.985	(0.948)	244194	120.000	108.78	REV
85 Phenacetin	108	13.974	13.947	(0.947)	461009	120.000	105.86	REV
86 Diallate #2	234	14.039	14.039	(0.952)	44761	120.000		REV
87 Hexachlorobenzene	284	14.255	14.244	(0.966)	252509	120.000	109.22	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031208.D Page 3
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.942	13.920	(0.945)	251158	120.000	118.26	REV
90 Pentachlorophenol	266	14.541	14.530	(0.986)	175565	120.000	120.82	REV
91 Pronamide	173	14.552	14.541	(0.986)	372599	120.000	100.26	REV
92 Pentachloronitrobenzene	295	14.670	14.659	(0.995)	46253	120.000	110.62	REV
94 Phenanthrene	178	14.795	14.783	(1.003)	1250653	120.000	103.10	REV
95 Anthracene	178	14.865	14.854	(1.008)	1317678	120.000	104.72	REV
96 Dinoseb	211	14.805	14.800	(1.004)	219917	120.000	118.21	REV
97 Carbazole	167	15.124	15.113	(1.025)	1236517	120.000	99.880	REV
98 Di-n-Butylphthalate	149	15.679	15.674	(1.063)	1431735	120.000	99.335	REV
101 Isodrin	193	16.494	16.488	(1.118)	150232	120.000	106.04	REV
102 Fluoranthene	202	16.721	16.710	(1.133)	1376114	120.000	100.72	REV
103 Benzidine	184	16.920	16.908	(0.888)	711300	120.000	116.84	REV
104 Pyrene	202	17.093	17.082	(0.897)	1402271	120.000	107.12	REV
106 4-Dimethylaminoazobenzene	120	17.557	17.551	(0.922)	408103	120.000	109.43	REV
107 Chlorobenzilate	251	17.616	17.611	(0.925)	388417	120.000	111.84	REV
109 3,3'-Dimethylbenzidine	212	18.097	18.091	(0.950)	680837	120.000	93.051	REV
110 Butylbenzylphthalate	149	18.107	18.102	(0.951)	583082	120.000	103.34	REV
111 2-Acetylaminofluorene	181	18.555	18.539	(0.974)	613705	120.000	114.80	REV
112 3,3'-Dichlorobenzidine	252	18.987	18.976	(0.997)	490378	120.000	109.78	REV
113 Benzo(a)anthracene	228	19.019	19.013	(0.999)	1246806	120.000	108.06	REV
115 bis(2-Ethylhexyl)phthalate	149	19.008	19.003	(0.998)	729551	120.000	98.359	REV
116 Chrysene	228	19.095	19.084	(1.003)	1205753	120.000	109.16	REV
117 Di-n-octylphthalate	149	19.942	19.936	(0.933)	1425045	120.000	108.45	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.746	20.729	(0.970)	554707	120.000	112.66	REV
119 Benzo(b)fluoranthene	252	20.740	20.713	(0.970)	1456919	120.000	116.71	REV
120 Benzo(k)fluoranthene	252	20.778	20.762	(0.972)	1189611	120.000	98.843	REV
121 Benzo(a)pyrene	252	21.291	21.274	(0.996)	1210397	120.000	111.88	REV
123 3-MethylCholanthrene	268	21.943	21.927	(1.027)	656446	120.000	112.27	REV
125 Indeno(1,2,3-cd)pyrene	276	23.562	23.524	(1.102)	1167765	120.000	107.31	REV
126 Dibenz(a,h)anthracene	278	23.557	23.535	(1.102)	999553	120.000	108.47	REV
127 Benzo(g,h,i)perylene	276	24.172	24.145	(1.131)	905054	120.000	103.22	REV
M 176 Diallate (total)	234				187056	120.000	112.14	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031208.D

Date : 12-MAR-2007 14:12

Client ID: HSL_120

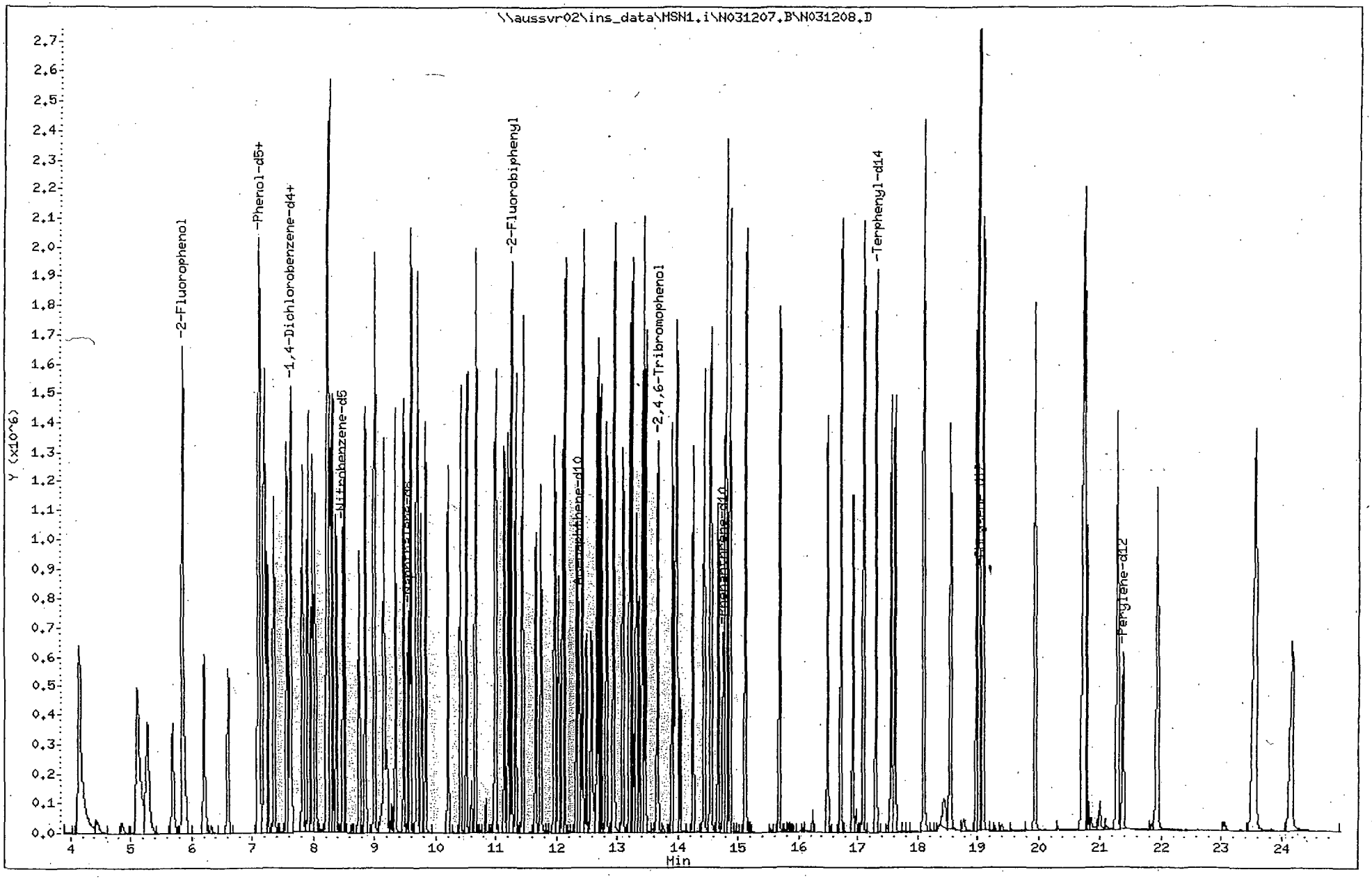
Sample Info: Icalib_6;HSL_120;;1;6;3;;;; 06MSSV0445

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031209.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031209.D
Lab Smp Id: Icalib_7 Client Smp ID: HSL_150
Inj Date : 12-MAR-2007 14:43
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_7;HSL_150;;1;7;3;;;; 06MSSV0446
Misc Info : ; 2-HSL.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.M
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.612	7.604	(1.000)	119028	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.554	9.547	(1.000)	464881	40.0000		REV
* 64 Acenaphthene-d10	164	12.370	12.363	(1.000)	246314	40.0000		REV
* 93 Phenanthrene-d10	188	14.755	14.743	(1.000)	452155	40.0000		REV
* 114 Chrysene-d12	240	19.050	19.032	(1.000)	374678	40.0000		REV
* 122 Perylene-d12	264	21.375	21.363	(1.000)	348998	40.0000		REV
$ 6 2-Fluorophenol	112	5.864	5.848	(0.770)	1205847	300.000	269.76	REV
$ 12 Phenol-d5	99	7.115	7.094	(0.935)	1375026	300.000	268.45	REV
$ 82 2,4,6-Tribromophenol	330	13.671	13.656	(0.926)	256458	300.000	286.67	REV
$ 29 Nitrobenzene-d5	82	8.491	8.476	(0.889)	642425	150.000	140.80	REV
$ 54 2-Fluorobiphenyl	172	11.264	11.255	(0.911)	977378	150.000	127.40	REV
$ 105 Terphenyl-d14	244	17.307	17.297	(0.909)	1022028	150.000	133.99	REV
1 Pyridine	79	4.137	4.144	(0.544)	804213	150.000	141.77	REV
2 N-Nitrosodimethylamine	74	4.142	4.138	(0.544)	455632	150.000	143.88	REV
3 2-Picoline	93	5.097	5.098	(0.670)	852578	150.000	144.28	REV
4 N-Nitrosomethylethylamine	88	5.281	5.271	(0.694)	386022	150.000	145.85	REV
5 Methyl methanesulfonate	80	5.696	5.681	(0.748)	364063	150.000	138.17	REV
7 N-Nitrosodiethylamine	102	6.203	6.193	(0.815)	346313	150.000	144.13	REV
8 Ethyl methanesulfonate	79	6.603	6.587	(0.867)	512194	150.000	144.63	REV
9 Pentachloroethane	117	7.207	7.202	(0.947)	196058	150.000	135.13	REV
10 Aniline	93	7.202	7.191	(0.946)	918487	150.000	132.38	REV
11 bis(2-Chloroethyl)ether	93	7.256	7.245	(0.953)	720854	150.000	148.09	REV
13 Phenol	94	7.131	7.111	(0.937)	740953	150.000	132.67	REV
14 2-Chlorophenol	128	7.363	7.353	(0.967)	624819	150.000	138.95	REV
15 1,3-Dichlorobenzene	146	7.563	7.558	(0.994)	668926	150.000	133.64	REV
16 1,4-Dichlorobenzene	146	7.639	7.634	(1.004)	647266	150.000	132.30	REV
18 1,2-Dichlorobenzene	146	7.919	7.914	(1.040)	623206	150.000	133.21	REV
19 Benzyl Alcohol	108	7.833	7.817	(1.029)	420411	150.000	142.69	REV
20 bis(2-Chloroisopropyl)ether	45	8.033	8.028	(1.055)	900312	150.000	135.52	REV
21 2-Methylphenol	108	7.989	7.974	(1.050)	575001	150.000	139.38	REV
22 Acetophenone	105	8.248	8.233	(1.084)	733252	150.000	130.16(Q)	REV
23 N-Nitroso-di-n-propylamine	70	8.281	8.255	(1.088)	449541	150.000	139.40	REV
24 N-Nitrosopyrrolidine	100	8.308	8.249	(1.091)	299747	150.000	141.01	REV

mm 3.22.07

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031209.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.232	8.201	(1.082)	962534	300.000	250.36	REV
27 o-Toluidine	106	8.318	8.303	(1.093)	861376	150.000	131.76	REV
28 Hexachloroethane	117	8.378	8.368	(1.101)	242370	150.000	139.34	REV
30 Nitrobenzene	77	8.523	8.507	(0.892)	668122	150.000	136.03	REV
31 N-Nitrosopiperidine	114	8.756	8.734	(0.916)	297057	150.000	138.29	REV
32 Isophorone	82	8.853	8.838	(0.927)	1143517	150.000	134.16	REV
33 2-Nitrophenol	139	8.998	8.983	(0.942)	294110	150.000	139.74	REV
34 2,4-Dimethyphenol	107	9.009	8.994	(0.943)	518475	150.000	125.75	REV
35 Bis(2-chloroethoxy)methane	93	9.160	9.145	(0.959)	640936	150.000	134.67	REV
36 2,4-Dichlorophenol	162	9.344	9.329	(0.978)	423547	150.000	130.62	REV
38 1,2,4-Trichlorobenzene	180	9.484	9.474	(0.993)	478055	150.000	132.00	REV
39 Benzoic Acid	122	9.225	9.161	(0.966)	294548	150.000	159.41(A)	REV
41 Naphthalene	128	9.592	9.582	(1.004)	1466053	150.000	126.57	REV
42 4-Chloroaniline	127	9.694	9.685	(1.015)	575559	150.000	123.65	REV
43 2,6-Dichlorophenol	162	9.710	9.695	(1.016)	404792	150.000	127.77	REV
44 Hexachloropropene	213	9.764	9.760	(1.022)	308679	150.000	142.32	REV
45 Hexachlorobutadiene	225	9.840	9.836	(1.030)	259278	150.000	130.24	REV
46 N-Nitroso-di-n-butylamine	84	10.207	10.197	(1.068)	360649	150.000	136.24	REV
47 4-Chloro-3-Methylphenol	107	10.417	10.402	(1.090)	477994	150.000	136.77	REV
48 Safrole	162	10.520	10.510	(1.101)	397512	150.000	133.77	REV
49 2-Methylnaphthalene	142	10.665	10.656	(1.116)	981132	150.000	129.14	REV
50 Hexachlorocyclopentadiene	237	11.011	11.007	(0.890)	235618	150.000	140.55	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.995	10.990	(0.889)	416080	150.000	129.42	REV
52 2,4,6-Trichlorophenol	196	11.146	11.141	(0.901)	294800	150.000	135.37	REV
53 2,4,5-Trichlorphenol	196	11.210	11.201	(0.906)	323125	150.000	135.45	REV
55 2-Chloronaphthalene	127	11.448	11.438	(0.925)	340128	150.000	129.59	REV
56 Isosafrole	162	11.335	11.325	(0.916)	401442	150.000	131.35	REV
57 2-Nitroaniline	65	11.669	11.654	(0.943)	343332	150.000	147.27	REV
58 1,4-Naphthoquinone	158	11.745	11.735	(0.949)	381790	150.000	134.45	REV
59 Dimethylphthalate	163	11.977	11.956	(0.968)	1089254	150.000	139.19	REV
60 2,6-Dinitrotoluene	165	12.106	12.091	(0.979)	273445	150.000	142.85	REV
61 1,3-Dinitrobenzene	168	12.041	12.021	(0.973)	214759	150.000	158.79(A)	REV
62 Acenaphthylene	152	12.138	12.123	(0.981)	1429886	150.000	126.67	REV
63 3-Nitroaniline	138	12.343	12.323	(0.998)	309642	150.000	145.14	REV
65 Acenaphthene	153	12.430	12.420	(1.005)	835158	150.000	128.29	REV
66 2,4-Dinitrophenol	184	12.500	12.480	(1.010)	162040	150.000	157.80(A)	REV
67 Dibenzofuran	168	12.678	12.668	(1.025)	1234726	150.000	130.92	REV
68 4-Nitrophenol	109	12.586	12.560	(1.017)	165556	150.000	156.11(A)	REV
69 Pentachlorobenzene	250	12.721	12.706	(1.028)	341315	150.000	134.01	REV
70 2,4-Dinitrotoluene	165	12.748	12.722	(1.031)	364303	150.000	149.13	REV
72 2,3,4,6-tetrachlorophenol	232	12.948	12.933	(1.047)	253409	150.000	145.22	REV
74 Diethylphthalate	149	13.099	13.084	(1.059)	1068967	150.000	137.77	REV
75 4-Chlorophenyl-phenylether	204	13.207	13.197	(1.068)	494375	150.000	135.68	REV
76 Fluorene	166	13.239	13.224	(1.070)	1011879	150.000	131.61	REV
77 5-Nitro-o-toluidine	152	13.320	13.300	(1.077)	341330	150.000	142.44	REV
78 4,6-Dinitro-2-methylphenol	198	13.412	13.381	(0.909)	194192	150.000	146.16(Q)	REV
79 4-Nitroaniline	138	13.363	13.327	(1.080)	309524	150.000	143.67	REV
80 N-Nitrosodiphenylamine/DPA	169	13.428	13.408	(1.085)	872191	150.000	131.45	REV
81 Azobenzene	77	13.466	13.451	(0.913)	1090951	150.000	131.57	REV
83 Diallate #1	234	13.908	13.899	(0.943)	160398	150.000		REV
84 4-Bromophenyl-phenylether	248	13.994	13.985	(0.948)	273030	150.000	132.99	REV
85 Phenacetin	108	13.978	13.947	(0.947)	498096	150.000	125.06	REV
86 Diallate #2	234	14.043	14.039	(0.952)	50503	150.000		REV
87 Hexachlorobenzene	284	14.259	14.244	(0.966)	288372	150.000	136.38	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031209.D Page 3
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.951	13.920	(0.946)	289279	150.000	147.94	REV
90 Pentachlorophenol	266	14.545	14.530	(0.986)	202341	150.000	152.26(A)	REV
91 Pronamide	173	14.561	14.541	(0.987)	414940	150.000	122.08	REV
92 Pentachloronitrobenzene	295	14.674	14.659	(0.995)	53478	150.000	139.85	REV
94 Phenanthrene	178	14.798	14.783	(1.003)	1399511	150.000	126.15	REV
95 Anthracene	178	14.869	14.854	(1.008)	1472110	150.000	127.93	REV
96 Dinoseb	211	14.809	14.800	(1.004)	253731	150.000	148.20	REV
97 Carbazole	167	15.128	15.113	(1.025)	1369233	150.000	120.93	REV
98 Di-n-Butylphthalate	149	15.683	15.674	(1.063)	1587917	150.000	120.46	REV
101 Isodrin	193	16.498	16.488	(1.118)	168396	150.000	129.96	REV
102 Fluoranthene	202	16.725	16.710	(1.133)	1531714	150.000	122.59	REV
103 Benzidine	184	16.919	16.908	(0.888)	744494	150.000	132.70	REV
104 Pyrene	202	17.097	17.082	(0.897)	1576649	150.000	130.69	REV
106 4-Dimethylaminoazobenzene	120	17.561	17.551	(0.922)	449896	150.000	130.90	REV
107 Chlorobenzilate	251	17.620	17.611	(0.925)	440075	150.000	137.50	REV
109 3,3'-Dimethylbenzidine	212	18.100	18.091	(0.950)	680483	150.000	100.91	REV
110 Butylbenzylphthalate	149	18.111	18.102	(0.951)	655046	150.000	125.97	REV
111 2-Acetylaminofluorene	181	18.559	18.539	(0.974)	701843	150.000	142.46	REV
112 3,3'-Dichlorobenzidine	252	18.991	18.976	(0.997)	544509	150.000	132.26	REV
113 Benzo(a)anthracene	228	19.023	19.013	(0.999)	1401421	150.000	131.79	REV
115 bis(2-Ethylhexyl)phthalate	149	19.012	19.003	(0.998)	797562	150.000	116.68	REV
116 Chrysene	228	19.104	19.084	(1.003)	1367772	150.000	134.37	REV
117 Di-n-octylphthalate	149	19.946	19.936	(0.933)	1599929	150.000	129.44	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.755	20.729	(0.971)	639760	150.000	138.14	REV
119 Benzo(b)fluoranthene	252	20.755	20.713	(0.971)	1756932	150.000	149.62	REV
120 Benzo(k)fluoranthene	252	20.787	20.762	(0.972)	1311254	150.000	115.83(A)	REV
121 Benzo(a)pyrene	252	21.295	21.274	(0.996)	1403620	150.000	137.93	REV
123 3-MethylCholanthrene	268	21.953	21.927	(1.027)	769647	150.000	139.94	REV
125 Indeno(1,2,3-cd)pyrene	276	23.577	23.524	(1.103)	1318368	150.000	128.80	REV
126 Dibenz(a,h)anthracene	278	23.566	23.535	(1.102)	1141702	150.000	131.72	REV
127 Benzo(g,h,i)perylene	276	24.181	24.145	(1.131)	994892	150.000	120.62	REV
M 176 Diallate (total)	234				210901	150.000	138.25	

QC Flag Legend

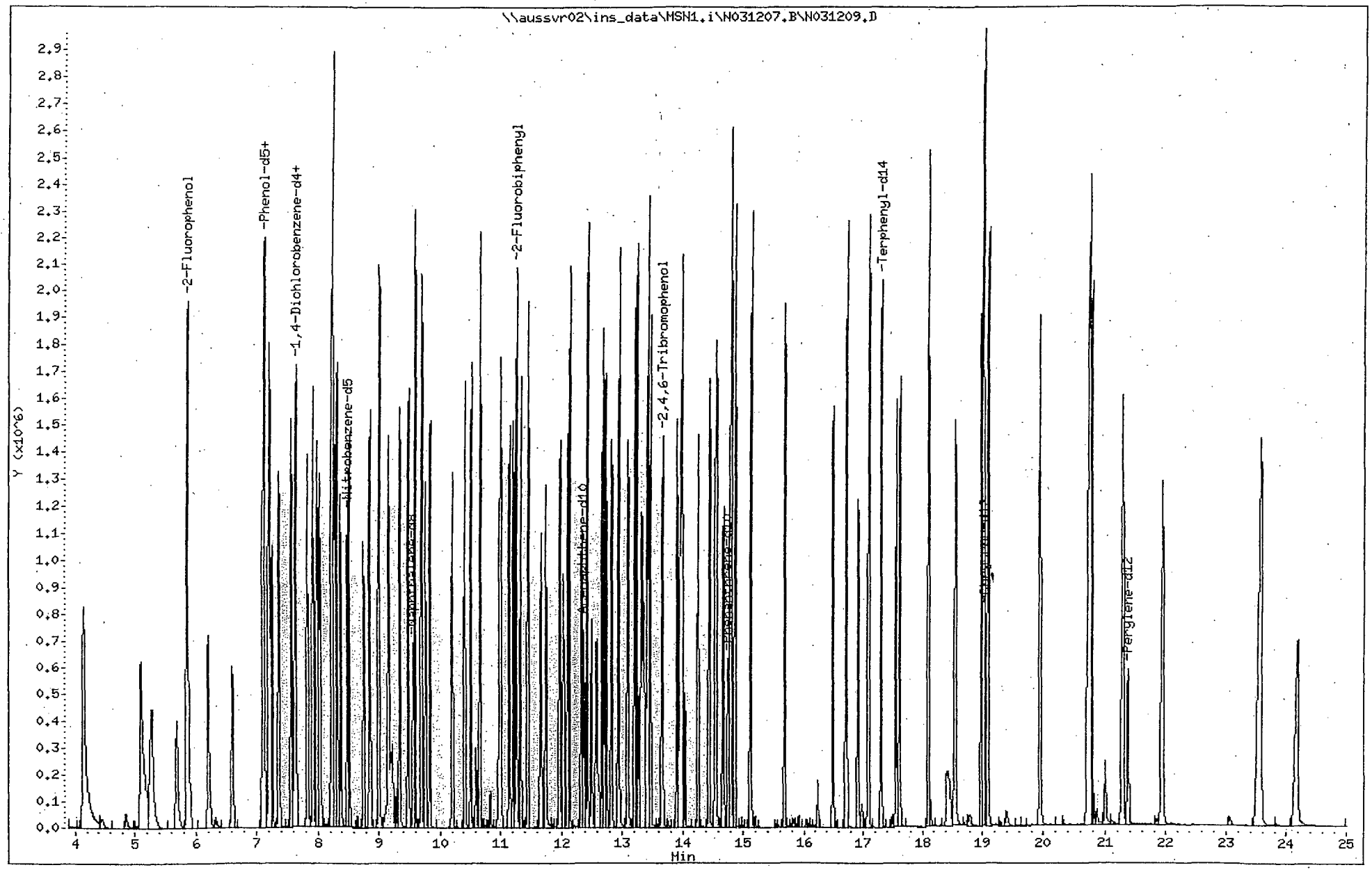
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031209.D
Date : 12-MAR-2007 14:43
Client ID: HSL_150
Sample Info: Icalib_7;HSL_150;;1;7;3;;;; 06MSSV0446

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D
Lab Smp Id: Icalib_1 Client Smp ID: APPIX_10
Inj Date : 12-MAR-2007 15:57
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;APPIX_10;;1;1;3;;;; 06MSSV0303
Misc Info : ; 3-AP9.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.608	7.604	(1.000)	150469	40.0000		REV
* 40 Naphthalene-d8	136	9.550	9.547	(1.000)	563024	40.0000		REV
* 64 Acenaphthene-d10	164	12.367	12.363	(1.000)	277862	40.0000		REV
* 93 Phenanthrene-d10	188	14.741	14.743	(1.000)	494770	40.0000		REV
* 114 Chrysene-d12	240	19.036	19.032	(1.000)	464865	40.0000		REV
* 122 Perylene-d12	264	21.367	21.363	(1.000)	424149	40.0000		REV
26 N-Nitrosomorpholine	56	8.245	8.263	(1.084)	34336	10.0000	10.824	REV
37 a,a-Dimethylphenethylamine	58	9.265	9.267	(0.970)	126873	10.0000	9.6707	REV
71 1-Naphthylamine	143	12.804	12.811	(1.035)	90980	10.0000	11.403	REV
73 2-Naphthylamine	143	12.917	12.930	(1.044)	89014	10.0000	10.976	REV
89 4-Aminobiphenyl	169	14.423	14.430	(0.978)	107407	10.0000	10.829	REV
99 4-Nitroquinoline-1-oxide	190	16.068	16.076	(1.090)	2710	10.0000	12.134	REV
100 Methapyrilene	58	16.176	16.183	(1.097)	63172	10.0000	8.1611	REV
128 1,4-Dioxane	88	3.632	3.628	(0.477)	27812	10.0000	10.436	REV
129 2-Ethoxyethanol	59	3.664	3.666	(0.482)	38613	10.0000	10.485	REV
130 N,N-Dimethylformamide	73	4.662	4.653	(0.613)	48727	10.0000	10.430	REV
131 Propyl cellosolve	43	4.932	4.929	(0.648)	73783	10.0000	10.648	REV
132 Acrylamide	55	5.606	5.668	(0.737)	17696	10.0000	9.6844	REV
136 o,o,o-Triethylphosphorothioat	198	9.151	9.153	(0.958)	25258	10.0000	11.059	REV
137 o-Nitrotoluene	120	9.275	9.277	(0.971)	29044	10.0000	10.612	REV
138 m-Nitrotoluene	137	9.664	9.671	(1.012)	26886	10.0000	10.200	REV
139 p-Nitrotoluene	137	9.847	9.849	(1.031)	25838	10.0000	10.254	REV
142 p-Phenylenediamine	108	10.220	10.227	(1.070)	42830	10.0000	8.4805	REV
143 1-Methylnaphthalene	142	10.835	10.837	(1.134)	92029	10.0000	11.387	REV
146 Biphenyl	154	11.401	11.403	(0.922)	110637	10.0000	11.726	REV
147 2,4-Toluene diamine	121	11.401	11.408	(0.922)	22224	10.0000	7.1795	REV
148 2,6-Toluene diamine	122	11.439	11.446	(0.925)	37682	10.0000	10.766	REV
149 Diphenyl ether	170	11.574	11.576	(0.936)	58090	10.0000	11.562	REV
150 1,4-Dinitrobenzene	168	11.822	11.829	(0.956)	8718	10.0000	7.9572	REV
151 Dimethyl terephthalate	194	12.335	12.337	(0.997)	16323	10.0000	11.310	REV
152 2,3-Dinitrotoluene	135	12.701	12.720	(1.027)	13779	10.0000	10.186	REV
153 2,3,5,6-Tetrachlorophenol	232	12.853	12.860	(1.039)	16242	10.0000	9.6454	REV
154 Thionazin	97	13.209	13.216	(1.068)	19431	10.0000	11.114	REV

MM 3-22-07

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.764	13.766	(0.934)	14528	10.0000	11.059	REV
156 Phorate	75	13.921	13.923	(0.944)	61759	10.0000	10.207	REV
157 Dimethoate	87	14.223	14.241	(0.965)	36963	10.0000	8.3239	REV
158 Disulfoton	88	14.752	14.754	(1.001)	54285	10.0000	11.718	REV
159 Methyl parathion	109	15.378	15.380	(1.043)	24889	10.0000	10.974	REV
160 Parathion	109	15.998	16.004	(1.085)	15737	10.0000	9.7293	REV
161 Aramite #1	185	17.250	17.251	(0.906)	6274	10.0000		REV
162 Aramite #2	185	17.374	17.370	(0.913)	11603	10.0000		REV
163 Famphur	218	18.059	18.056	(0.949)	26341	10.0000	455.63(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.949	18.951	(0.995)	12810	10.0000	10.850	REV
167 Dibenz(a,j)acridine	279	23.061	23.073	(1.079)	87714	10.0000	9.8690	REV
173 1-Methyl-2-pyrrolidone	99	7.899	7.901	(1.038)	34321	10.0000	10.108	REV
M 177 Aramite (total)	185				17877	10.0000	10.336	

QC Flag Legend

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

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031211.D

Date : 12-MAR-2007 15:57

Client ID: APPIX_10

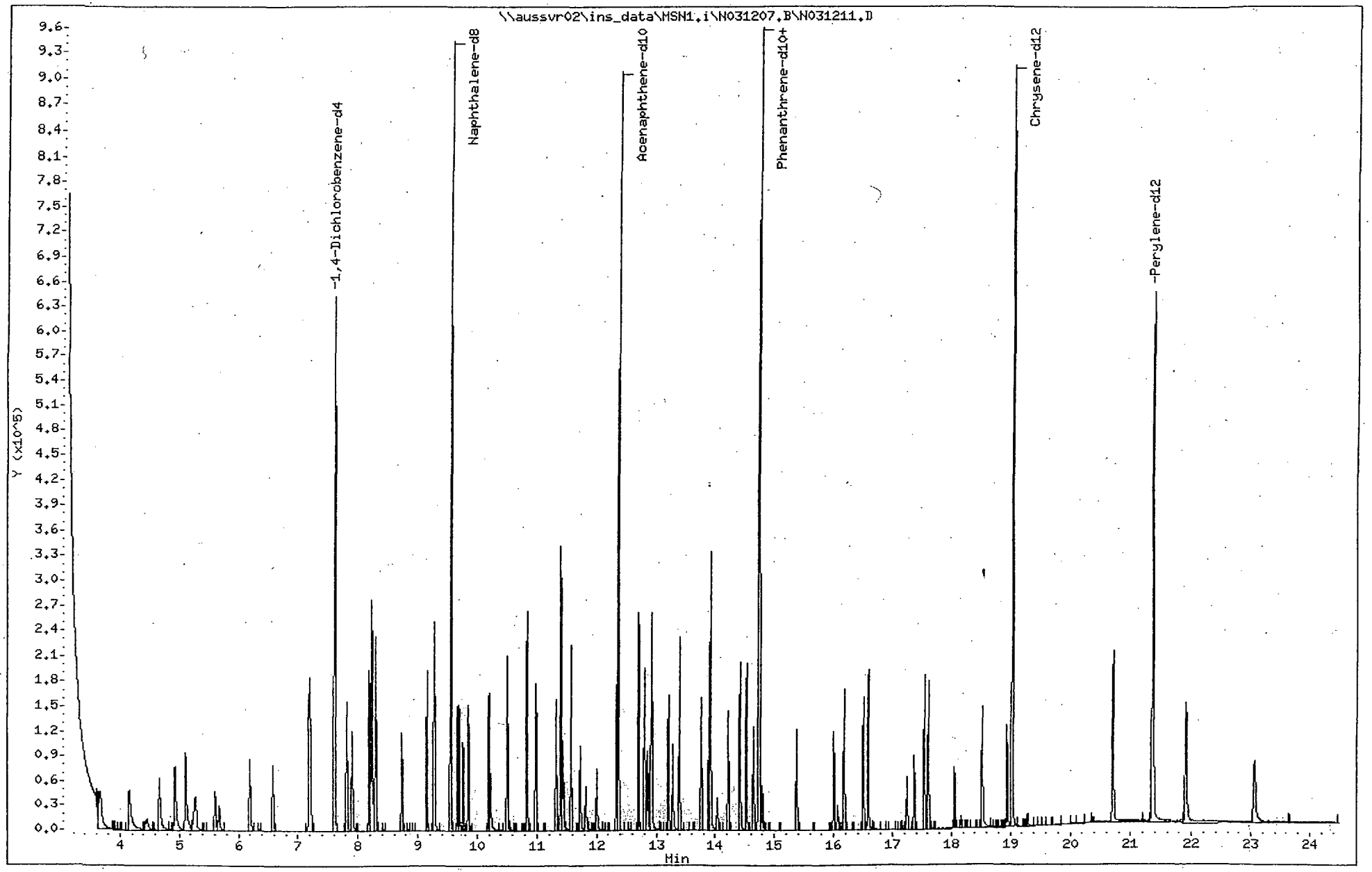
Sample Info: Icalib_1;APPIX_10;;1;1;3;;;; 06MSSV0303

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D
Lab Smp Id: Icalib_2 Client Smp ID: APPIX_20
Inj Date : 12-MAR-2007 16:27
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;APPIX_20;;1;2;3;;;; 06MSSV0304
Misc Info : ; 3-AP9.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.606	7.604	(1.000)	140509	40.0000		REV
* 40 Naphthalene-d8	136	9.548	9.547	(1.000)	529036	40.0000		REV
* 64 Acenaphthene-d10	164	12.365	12.363	(1.000)	271830	40.0000		REV
* 93 Phenanthrene-d10	188	14.733	14.743	(1.000)	473955	40.0000		REV
* 114 Chrysene-d12	240	19.033	19.032	(1.000)	442203	40.0000		REV
* 122 Perylene-d12	264	21.364	21.363	(1.000)	401102	40.0000		REV
26 N-Nitrosomorpholine	56	8.243	8.263	(1.084)	63585	20.0000	21.466	REV
37 a,a-Dimethylphenethylamine	58	9.262	9.267	(0.970)	262095	20.0000	21.261	REV
71 1-Naphthylamine	143	12.802	12.811	(1.035)	179249	20.0000	22.965	REV
73 2-Naphthylamine	143	12.915	12.930	(1.045)	176994	20.0000	22.308	REV
89 4-Aminobiphenyl	169	14.415	14.430	(0.978)	210540	20.0000	22.159	REV
99 4-Nitroquinoline-1-oxide	190	16.066	16.076	(1.090)	8359	20.0000	19.781	REV
100 Methapyrilene	58	16.174	16.183	(1.098)	109166	20.0000	21.923	REV
128 1,4-Dioxane	88	3.635	3.628	(0.478)	52037	20.0000	20.910	REV
129 2-Ethoxyethanol	59	3.662	3.666	(0.481)	72109	20.0000	20.968	REV
130 N,N-Dimethylformamide	73	4.655	4.653	(0.612)	91436	20.0000	20.958	REV
131 Propyl cellosolve	43	4.930	4.929	(0.648)	137831	20.0000	21.300	REV
132 Acrylamide	55	5.615	5.668	(0.738)	34930	20.0000	20.471	REV
136 o,o,o-Triethylphosphorothioat	198	9.149	9.153	(0.958)	48872	20.0000	22.773	REV
137 o-Nitrotoluene	120	9.273	9.277	(0.971)	55498	20.0000	21.581	REV
138 m-Nitrotoluene	137	9.662	9.671	(1.012)	52533	20.0000	21.209	REV
139 p-Nitrotoluene	137	9.845	9.849	(1.031)	50234	20.0000	21.216	REV
142 p-Phenylenediamine	108	10.217	10.227	(1.070)	105841	20.0000	22.303	REV
143 1-Methylnaphthalene	142	10.832	10.837	(1.134)	171255	20.0000	22.551	REV
146 Biphenyl	154	11.399	11.403	(0.922)	207895	20.0000	22.524	REV
147 2,4-Toluene diamine	121	11.399	11.408	(0.922)	50274	20.0000	16.601	REV
148 2,6-Toluene diamine	122	11.437	11.446	(0.925)	69552	20.0000	20.312	REV
149 Diphenyl ether	170	11.572	11.576	(0.936)	111919	20.0000	22.771	REV
150 1,4-Dinitrobenzene	168	11.820	11.829	(0.956)	20640	20.0000	19.257	REV
151 Dimethyl terephthalate	194	12.327	12.337	(0.997)	32413	20.0000	22.956	REV
152 2,3-Dinitrotoluene	135	12.699	12.720	(1.027)	28025	20.0000	21.176	REV
153 2,3,5,6-Tetrachlorophenol	232	12.850	12.860	(1.039)	33187	20.0000	20.146	REV
154 Thionazin	97	13.206	13.216	(1.068)	39084	20.0000	22.852	REV

MM 3-22-7

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.757	13.766	(0.934)	28338	20.0000	22.519	REV
156 Phorate	75	13.913	13.923	(0.944)	117313	20.0000	20.239	REV
157 Dimethoate	87	14.221	14.241	(0.965)	72315	20.0000	22.791	REV
158 Disulfoton	88	14.749	14.754	(1.001)	101562	20.0000	22.885	REV
159 Methyl parathion	109	15.375	15.380	(1.044)	51868	20.0000	23.874	REV
160 Parathion	109	15.996	16.004	(1.086)	33793	20.0000	21.810	REV
161 Aramite #1	185	17.248	17.251	(0.906)	12785	20.0000		REV
162 Aramite #2	185	17.366	17.370	(0.912)	22938	20.0000		REV
163 Famphur	218	18.057	18.056	(0.949)	18795	20.0000	341.76(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.947	18.951	(0.995)	24493	20.0000	21.808	REV
167 Dibenz(a,j)acridine	279	23.053	23.073	(1.079)	175520	20.0000	20.883	REV
173 1-Methyl-2-pyrrolidone	99	7.897	7.901	(1.038)	65483	20.0000	20.653	REV
M 177 Aramite (total)	185				35723	20.0000	21.713	

QC Flag Legend

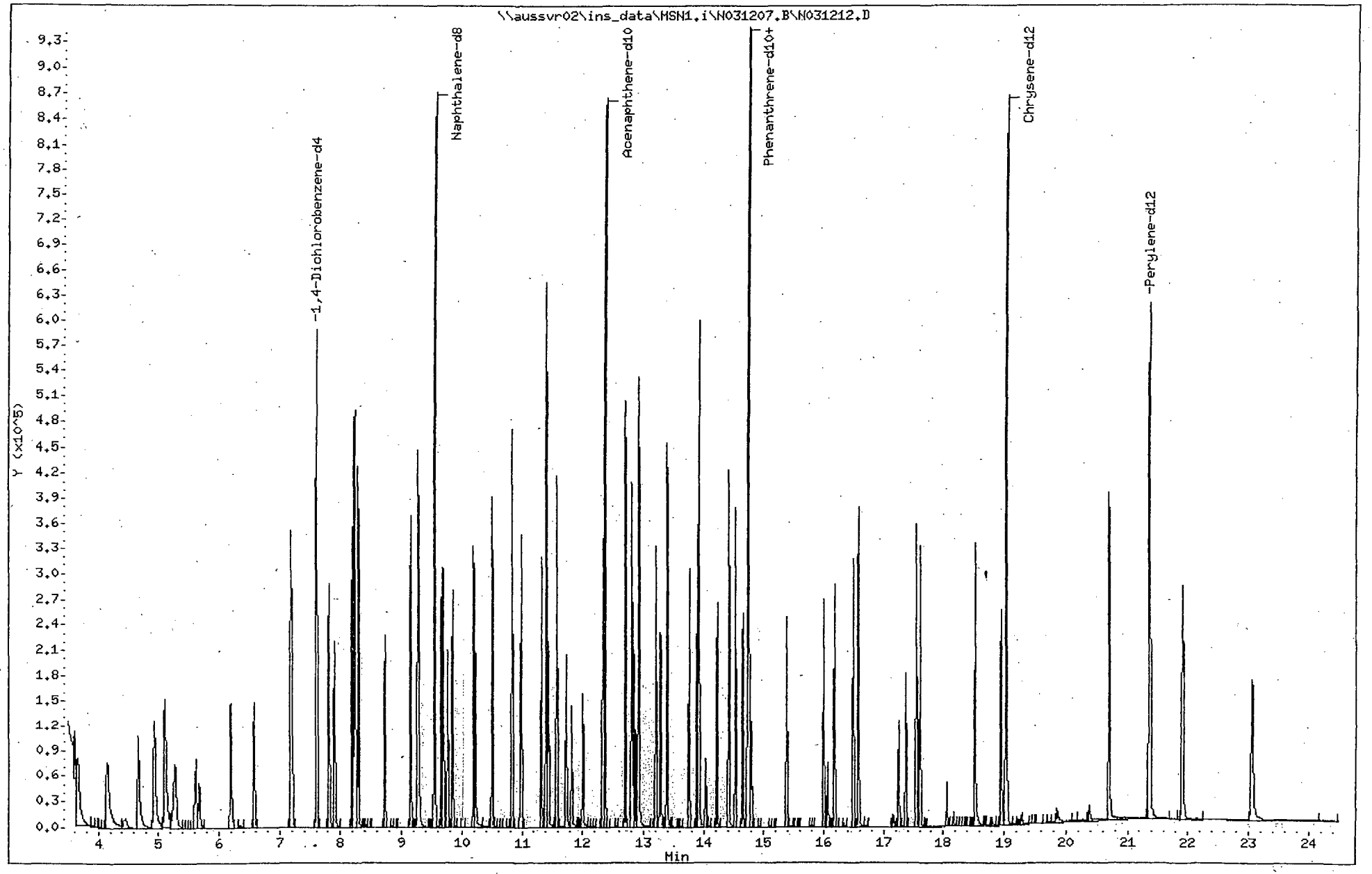
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031212.D
Date : 12-MAR-2007 16:27
Client ID: APPIX_20
Sample Info: Icalib_2;APPIX_20;;1;2;3;;;; 06MSSV0304

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D
Lab Smp Id: Icalib_3 Client Smp ID: APPIX_50
Inj Date : 12-MAR-2007 16:58
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;APPIX_50;;1;3;3;;;; 06MSSV0305
Misc Info : ; 3-AP9.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.603	7.604	(1.000)	129792	40.0000		REV
* 40 Naphthalene-d8	136	9.546	9.547	(1.000)	485372	40.0000		REV
* 64 Acenaphthene-d10	164	12.362	12.363	(1.000)	258461	40.0000		REV
* 93 Phenanthrene-d10	188	14.736	14.743	(1.000)	444316	40.0000		REV
* 114 Chrysene-d12	240	19.031	19.032	(1.000)	403345	40.0000		REV
* 122 Perylene-d12	264	21.362	21.363	(1.000)	363102	40.0000		REV
26 N-Nitrosomorpholine	56	8.251	8.263	(1.085)	136079	50.0000	49.734	REV
37 a,a-Dimethylphenethylamine	58	9.260	9.267	(0.970)	584734	50.0000	51.701	REV
71 1-Naphthylamine	143	12.810	12.811	(1.036)	388625	50.0000	52.366	REV
73 2-Naphthylamine	143	12.923	12.930	(1.045)	385143	50.0000	51.053	REV
89 4-Aminobiphenyl	169	14.423	14.430	(0.979)	448179	50.0000	50.318	REV
99 4-Nitroquinoline-1-oxide	190	16.069	16.076	(1.090)	29584	50.0000	50.563	REV
100 Methapyrilene	58	16.177	16.183	(1.098)	207100	50.0000	53.532	REV
128 1,4-Dioxane	88	3.632	3.628	(0.478)	113582	50.0000	49.408	REV
129 2-Ethoxyethanol	59	3.665	3.666	(0.482)	155865	50.0000	49.066	REV
130 N,N-Dimethylformamide	73	4.647	4.653	(0.611)	197871	50.0000	49.100	REV
131 Propyl cellosolve	43	4.927	4.929	(0.648)	293754	50.0000	49.145	REV
132 Acrylamide	55	5.645	5.668	(0.742)	78217	50.0000	49.624	REV
136 o,o,o-Triethylphosphorothioat	198	9.146	9.153	(0.958)	99730	50.0000	50.651	REV
137 o-Nitrotoluene	120	9.276	9.277	(0.972)	119092	50.0000	50.476	REV
138 m-Nitrotoluene	137	9.664	9.671	(1.012)	114360	50.0000	50.325	REV
139 p-Nitrotoluene	137	9.848	9.849	(1.032)	109139	50.0000	50.240	REV
142 p-Phenylenediamine	108	10.220	10.227	(1.071)	233473	50.0000	53.625	REV
143 1-Methylnaphthalene	142	10.835	10.837	(1.135)	355034	50.0000	50.957	REV
146 Biphenyl	154	11.402	11.403	(0.922)	418791	50.0000	47.719	REV
147 2.4-Toluene diamine	121	11.402	11.408	(0.922)	138041	50.0000	47.942	REV
148 2,6-Toluene diamine	122	11.439	11.446	(0.925)	165493	50.0000	50.830	REV
149 Diphenyl ether	170	11.574	11.576	(0.936)	233381	50.0000	49.940	REV
150 1,4-Dinitrobenzene	168	11.823	11.829	(0.956)	52556	50.0000	51.570	REV
151 Dimethyl terephthalate	194	12.335	12.337	(0.998)	70119	50.0000	52.230	REV
152 2,3-Dinitrotoluene	135	12.713	12.720	(1.028)	65570	50.0000	52.109	REV
153 2,3,5,6-Tetrachlorophenol	232	12.858	12.860	(1.040)	82771	50.0000	52.844	REV
154 Thionazin	97	13.215	13.216	(1.069)	85620	50.0000	52.650	REV

3/22/07

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.760	13.766	(0.934)	59882	50.0000	50.759	REV
156 Phorate	75	13.921	13.923	(0.945)	254195	50.0000	46.780	REV
157 Dimethoate	87	14.234	14.241	(0.966)	140861	50.0000	53.343	REV
158 Disulfoton	88	14.752	14.754	(1.001)	205351	50.0000	49.359	REV
159 Methyl parathion	109	15.378	15.380	(1.044)	108041	50.0000	53.047	REV
160 Parathion	109	15.999	16.004	(1.086)	73697	50.0000	50.736	REV
161 Aramite #1	185	17.250	17.251	(0.906)	28063	50.0000		REV
162 Aramite #2	185	17.369	17.370	(0.913)	49749	50.0000		REV
163 Famphur	218	18.054	18.056	(0.949)	5867	50.0000	116.96	REV
164 4,4-Methylenebis(2-chloroa	266	18.945	18.951	(0.995)	51542	50.0000	50.314	REV
167 Dibenz(a,j)acridine	279	23.061	23.073	(1.080)	385505	50.0000	50.667	REV
173 1-Methyl-2-pyrrolidone	99	7.900	7.901	(1.039)	141387	50.0000	48.276	REV
M 177 Aramite (total)	185				77812	50.0000	51.851	

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031213.D

Date : 12-MAR-2007 16:58

Client ID: APPIX_50

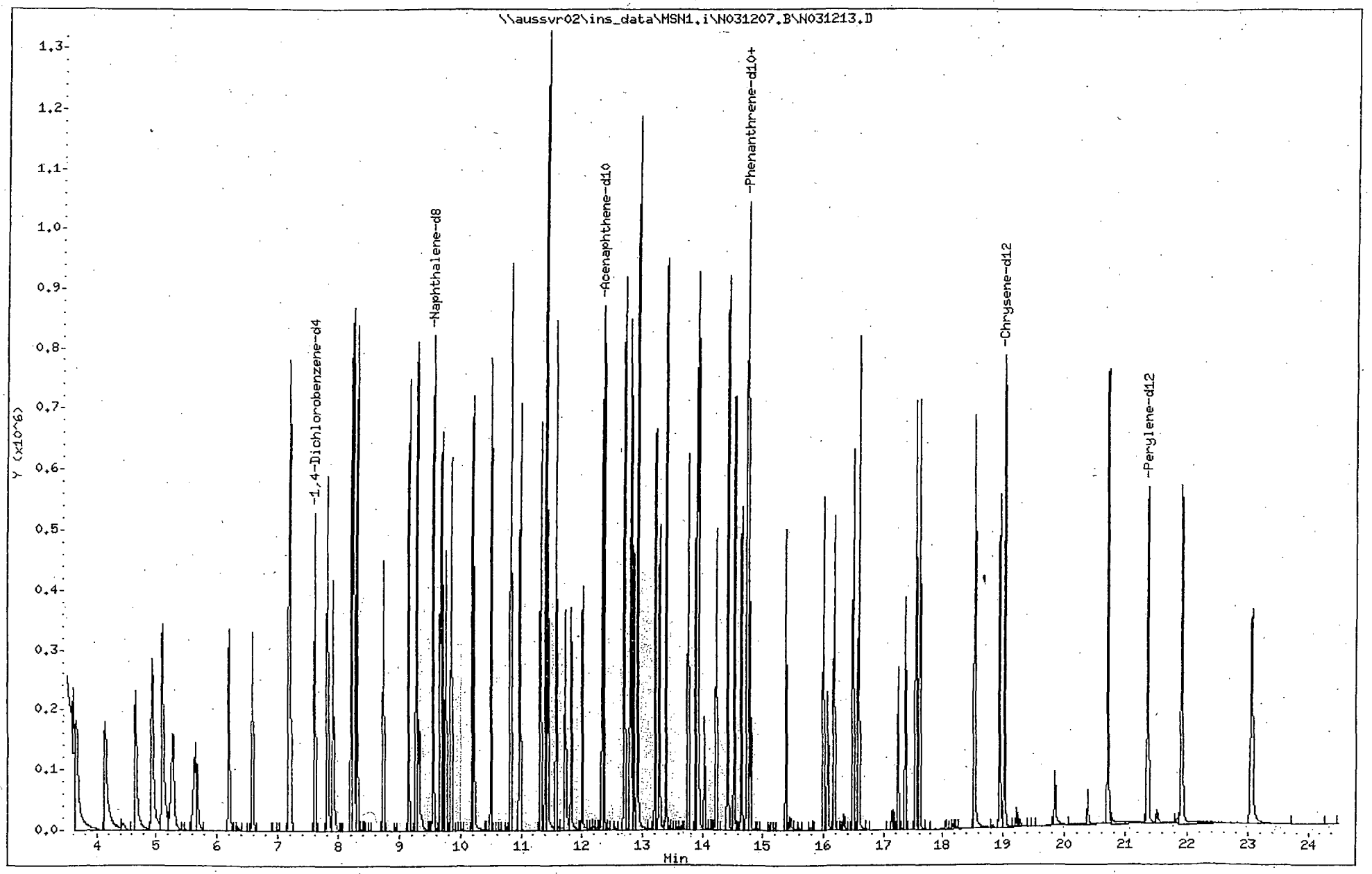
Sample Info: Icalib_3;APPIX_50;;1;3;3;;;; 06MSSV0305

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D
Lab Smp Id: Icalib_4 Client Smp ID: APPIX_75
Inj Date : 12-MAR-2007 17:28
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;APPIX_75;;1;4;3;;;; 06MSSV0306
Misc Info : ; 3-AP9.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.604	7.604	(1.000)	126702	40.0000		REV
* 40 Naphthalene-d8	136	9.547	9.547	(1.000)	477026	40.0000		REV
* 64 Acenaphthene-d10	164	12.363	12.363	(1.000)	266944	40.0000		REV
* 93 Phenanthrene-d10	188	14.742	14.743	(1.000)	432680	40.0000		REV
* 114 Chrysene-d12	240	19.032	19.032	(1.000)	397756	40.0000		REV
* 122 Perylene-d12	264	21.363	21.363	(1.000)	356785	40.0000		REV
26 N-Nitrosomorpholine	56	8.262	8.263	(1.087)	200959	75.0000	75.237	REV
37 a,a-Dimethylphenethylamine	58	9.266	9.267	(0.971)	860004	75.0000	77.370	REV
71 1-Naphthylamine	143	12.811	12.811	(1.036)	576206	75.0000	75.174	REV
73 2-Naphthylamine	143	12.930	12.930	(1.046)	557405	75.0000	71.540	REV
89 4-Aminobiphenyl	169	14.429	14.430	(0.979)	648550	75.0000	74.772	REV
99 4-Nitroquinoline-1-oxide	190	16.075	16.076	(1.090)	48088	75.0000	78.584	REV
100 Methapyrilene	58	16.183	16.183	(1.098)	283598	75.0000	78.915	REV
128 1,4-Dioxane	88	3.628	3.628	(0.477)	168440	75.0000	75.058	REV
129 2-Ethoxyethanol	59	3.666	3.666	(0.482)	231866	75.0000	74.772	REV
130 N,N-Dimethylformamide	73	4.653	4.653	(0.612)	295558	75.0000	75.128	REV
131 Propyl cellosolve	43	4.928	4.929	(0.648)	435379	75.0000	74.615	REV
132 Acrylamide	55	5.667	5.668	(0.745)	117016	75.0000	76.051	REV
136 o,o,o-Triethylphosphorothioat	198	9.153	9.153	(0.959)	145148	75.0000	75.008	REV
137 o-Nitrotoluene	120	9.277	9.277	(0.972)	174534	75.0000	75.268	REV
138 m-Nitrotoluene	137	9.671	9.671	(1.013)	170864	75.0000	76.505	REV
139 p-Nitrotoluene	137	9.849	9.849	(1.032)	162629	75.0000	76.173	REV
142 p-Phenylenediamine	108	10.226	10.227	(1.071)	339179	75.0000	79.266	REV
143 1-Methylnaphthalene	142	10.836	10.837	(1.135)	512776	75.0000	74.884	REV
146 Biphenyl	154	11.403	11.403	(0.922)	607403	75.0000	67.011	REV
147 2,4-Toluene diamine	121	11.408	11.408	(0.923)	232431	75.0000	78.158	REV
148 2,6-Toluene diamine	122	11.446	11.446	(0.926)	274407	75.0000	81.604	REV
149 Diphenyl ether	170	11.575	11.576	(0.936)	341193	75.0000	70.690	REV
150 1,4-Dinitrobenzene	168	11.829	11.829	(0.957)	84840	75.0000	80.603	REV
151 Dimethyl terephthalate	194	12.336	12.337	(0.998)	103803	75.0000	74.863	REV
152 2,3-Dinitrotoluene	135	12.719	12.720	(1.029)	100138	75.0000	77.051	REV
153 2,3,5,6-Tetrachlorophenol	232	12.859	12.860	(1.040)	126871	75.0000	78.425	REV
154 Thionazin	97	13.215	13.216	(1.069)	126555	75.0000	75.348	REV

mm 3-22-7

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.766	13.766	(0.934)	85945	75.0000	74.811	REV
156 Phorate	75	13.922	13.923	(0.944)	360054	75.0000	68.044	REV
157 Dimethoate	87	14.241	14.241	(0.966)	192451	75.0000	77.079	REV
158 Disulfoton	88	14.753	14.754	(1.001)	295138	75.0000	72.848	REV
159 Methyl parathion	109	15.379	15.380	(1.043)	152867	75.0000	77.075	REV
160 Parathion	109	16.005	16.004	(1.086)	108795	75.0000	76.914	REV
161 Aramite #1	185	17.251	17.251	(0.906)	41944	75.0000		REV
162 Aramite #2	185	17.370	17.370	(0.913)	71746	75.0000		REV
163 Famphur	218	18.055	18.056	(0.949)	3710	75.0000	75.000	REV
164 4,4-Methylenebis(2-chloroa	266	18.951	18.951	(0.996)	75511	75.0000	74.747	REV
167 Dibenz(a,j)acridine	279	23.073	23.073	(1.080)	579299	75.0000	77.486	REV
173 1-Methyl-2-pyrrolidone	99	7.901	7.901	(1.039)	214888	75.0000	75.162	REV
M 177 Aramite (total)	185				113690	75.0000	76.824	

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031214.D

Date : 12-MAR-2007 17:28

Client ID: APPIX_75

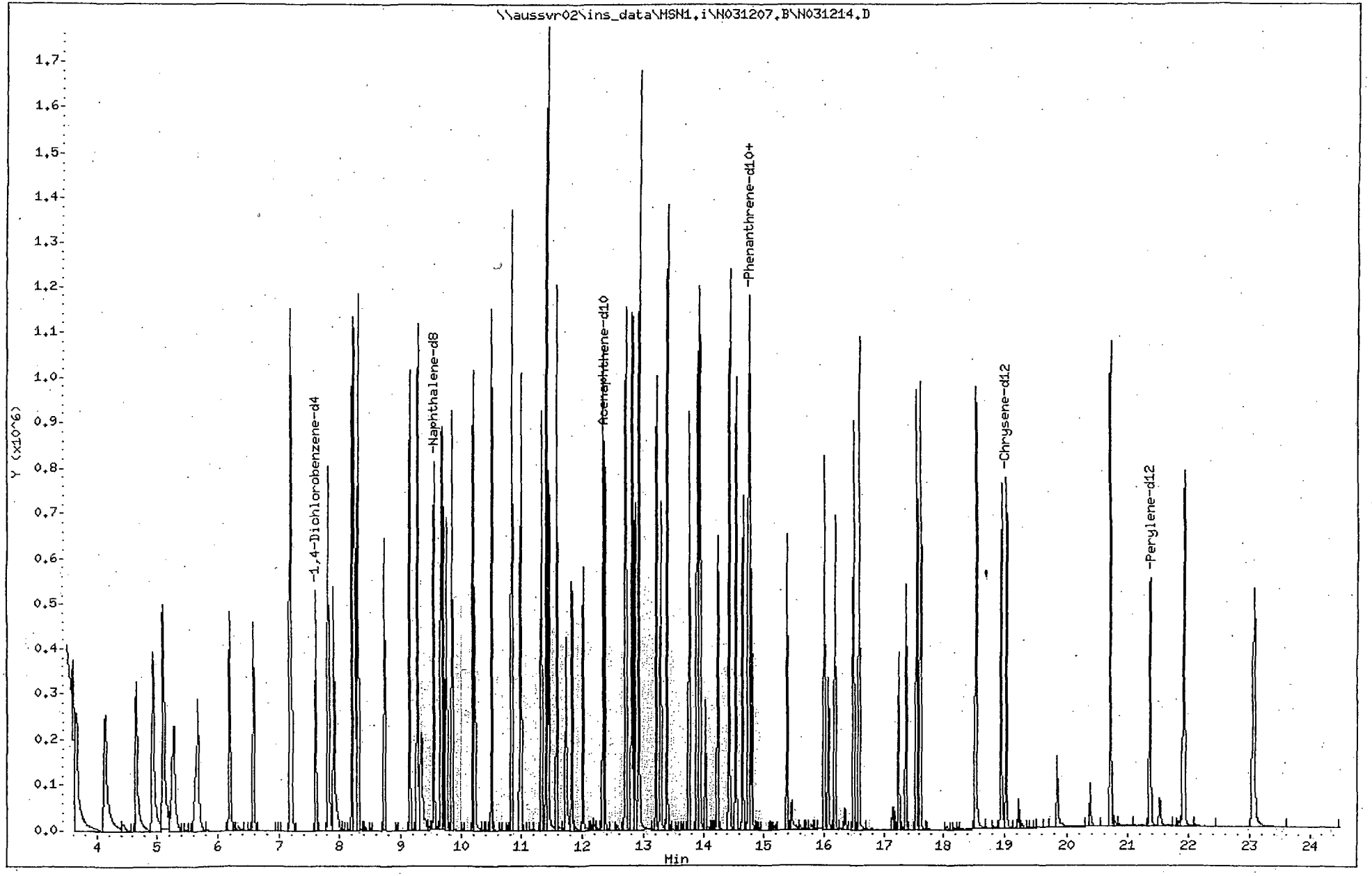
Instrument: MSN1.i

Sample Info: Icalib_4;APPIX_75;;1;4;3;;;; 06MSSV0306

Operator: malloym

Column phase: Rtx5-MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D
Lab Smp Id: Icalib_5 Client Smp ID: APPIX_100
Inj Date : 12-MAR-2007 17:59
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;APPIX_100;;1;5;3;;;;06MSSV0307
Misc Info : ; 3-AP9.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.604	7.604	(1.000)	125350	40.0000		REV
* 40 Naphthalene-d8	136	9.546	9.547	(1.000)	473832	40.0000		REV
* 64 Acenaphthene-d10	164	12.362	12.363	(1.000)	260818	40.0000		REV
* 93 Phenanthrene-d10	188	14.742	14.743	(1.000)	431267	40.0000		REV
* 114 Chrysene-d12	240	19.031	19.032	(1.000)	394894	40.0000		REV
* 122 Perylene-d12	264	21.362	21.363	(1.000)	353108	40.0000		REV
26 N-Nitrosomorpholine	56	8.267	8.263	(1.087)	258343	100.000	97.764	REV
37 a,a-Dimethylphenethylamine	58	9.265	9.267	(0.971)	1102449	100.000	99.850	REV
71 1-Naphthylamine	143	12.816	12.811	(1.037)	741371	100.000	98.994	REV
73 2-Naphthylamine	143	12.929	12.930	(1.046)	700807	100.000	92.057	REV
89 4-Aminobiphenyl	169	14.429	14.430	(0.979)	831512	100.000	96.180	REV
99 4-Nitroquinoline-1-oxide	190	16.080	16.076	(1.091)	63800	100.000	101.72	REV
100 Methapyrilene	58	16.182	16.183	(1.098)	346913	100.000	98.886	REV
128 1,4-Dioxane	88	3.638	3.628	(0.478)	220369	100.000	99.257	REV
129 2-Ethoxyethanol	59	3.670	3.666	(0.483)	304925	100.000	99.392	REV
130 N,N-Dimethylformamide	73	4.658	4.653	(0.613)	386992	100.000	99.431	REV
131 Propyl cellosolve	43	4.938	4.929	(0.649)	569614	100.000	98.673	REV
132 Acrylamide	55	5.683	5.668	(0.747)	154153	100.000	101.27	REV
136 o,o,o-Triethylphosphorothioat	198	9.152	9.153	(0.959)	181677	100.000	94.518	REV
137 o-Nitrotoluene	120	9.282	9.277	(0.972)	223944	100.000	97.227	REV
138 m-Nitrotoluene	137	9.670	9.671	(1.013)	219371	100.000	98.886	REV
139 p-Nitrotoluene	137	9.854	9.849	(1.032)	209287	100.000	98.687	REV
142 p-Phenylenediamine	108	10.226	10.227	(1.071)	428599	100.000	100.84	REV
143 1-Methylnaphthalene	142	10.841	10.837	(1.136)	639829	100.000	94.069	REV
146 Biphenyl	154	11.407	11.403	(0.923)	755724	100.000	85.333	REV
147 2.4-Toluene diamine	121	11.418	11.408	(0.924)	321977	100.000	110.81	REV
148 2,6-Toluene diamine	122	11.451	11.446	(0.926)	335065	100.000	101.98	REV
149 Diphenyl ether	170	11.575	11.576	(0.936)	426513	100.000	90.443	REV
150 1,4-Dinitrobenzene	168	11.828	11.829	(0.957)	116414	100.000	113.20	REV
151 Dimethyl terephthalate	194	12.341	12.337	(0.998)	134174	100.000	99.040	REV
152 2,3-Dinitrotoluene	135	12.724	12.720	(1.029)	131491	100.000	103.55	REV
153 2,3,5,6-Tetrachlorophenol	232	12.864	12.860	(1.041)	168675	100.000	106.71	REV
154 Thionazin	97	13.220	13.216	(1.069)	164440	100.000	100.20	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.765	13.766	(0.934)	109695	100.000	95.797	REV
156 Phorate	75	13.927	13.923	(0.945)	570094	100.000	108.09	REV
157 Dimethoate	87	14.245	14.241	(0.966)	230184	100.000	93.604	REV
158 Disulfoton	88	14.758	14.754	(1.001)	377958	100.000	93.596	REV
159 Methyl parathion	109	15.384	15.380	(1.044)	186227	100.000	94.202	REV
160 Parathion	109	16.004	16.004	(1.086)	140000	100.000	99.299	REV
161 Aramite #1	185	17.251	17.251	(0.906)	53536	100.000		REV
162 Aramite #2	185	17.375	17.370	(0.913)	90909	100.000		REV
163 Famphur	218	18.055	18.056	(0.949)	2826	100.000	57.543	REV
164 4,4-Methylenebis(2-chloroa	266	18.950	18.951	(0.996)	96790	100.000	96.505	REV
167 Dibenz(a,j)acridine	279	23.083	23.073	(1.081)	742943	100.000	100.41	REV
173 1-Methyl-2-pyrrolidone	99	7.906	7.901	(1.040)	283910	100.000	100.37	REV
M 177 Aramite (total)	185				144445	100.000	98.313	

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031215.D

Date : 12-MAR-2007 17:59

Client ID: APPIX_100

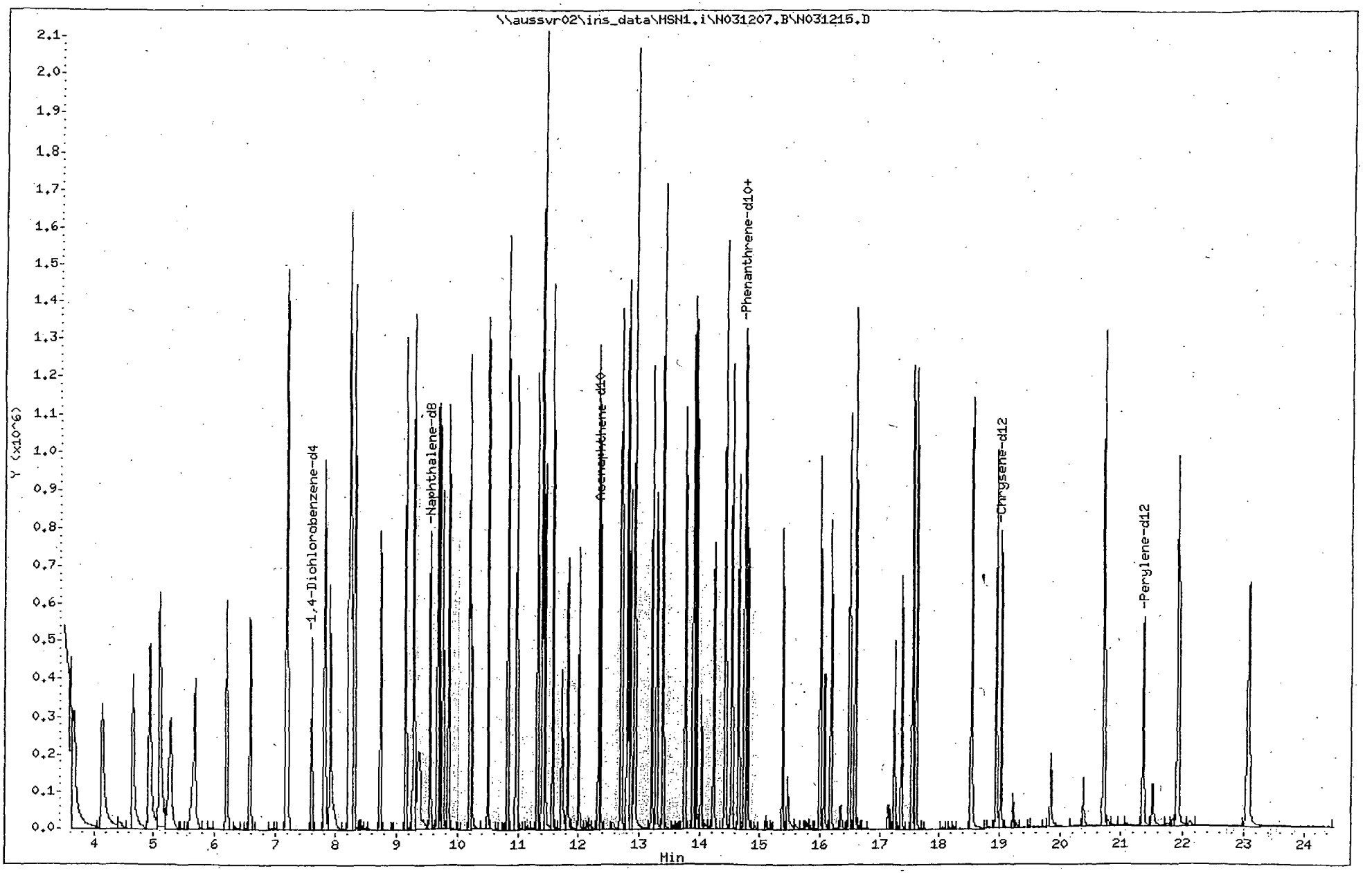
Sample Info: Icalib_5;APPIX_100;;1;5;3;;;; 06MSSV0307

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D
Lab Smp Id: Icalib_6 Client Smp ID: APPIX_120
Inj Date : 12-MAR-2007 18:29
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;APPIX_120;;1;6;3;;;; 06MSSV0308
Misc Info : ; 3-AP9.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.604	7.604	(1.000)	128168	40.0000		REV
* 40 Naphthalene-d8	136	9.547	9.547	(1.000)	482496	40.0000		REV
* 64 Acenaphthene-d10	164	12.363	12.363	(1.000)	271158	40.0000		REV
* 93 Phenanthrene-d10	188	14.743	14.743	(1.000)	440236	40.0000		REV
* 114 Chrysene-d12	240	19.032	19.032	(1.000)	407361	40.0000		REV
* 122 Perylene-d12	264	21.363	21.363	(1.000)	362606	40.0000		REV
26 N-Nitrosomorpholine	56	8.273	8.263	(1.088)	308963	120.000	114.35	REV
37 a,a-Dimethylphenethylamine	58	9.272	9.267	(0.971)	1310779	120.000	116.59	REV
71 1-Naphthylamine	143	12.822	12.811	(1.037)	879340	120.000	112.94	REV
73 2-Naphthylamine	143	12.935	12.930	(1.046)	846756	120.000	106.99	REV
89 4-Aminobiphenyl	169	14.435	14.430	(0.979)	990247	120.000	112.21	REV
99 4-Nitroquinoline-1-oxide	190	16.081	16.076	(1.091)	78427	120.000	120.72	REV
100 Methapyrilene	58	16.183	16.183	(1.098)	402132	120.000	113.50	REV
128 1,4-Dioxane	88	3.633	3.628	(0.478)	264058	120.000	116.32	REV
129 2-Ethoxyethanol	59	3.671	3.666	(0.483)	365641	120.000	116.56	REV
130 N,N-Dimethylformamide	73	4.653	4.653	(0.612)	463699	120.000	116.52	REV
131 Propyl cellosolve	43	4.939	4.929	(0.650)	681584	120.000	115.47	REV
132 Acrylamide	55	5.694	5.668	(0.749)	186500	120.000	119.82	REV
136 o,o,o-Triethylphosphorothioat	198	9.153	9.153	(0.959)	216117	120.000	110.42	REV
137 o-Nitrotoluene	120	9.282	9.277	(0.972)	267959	120.000	114.25	REV
138 m-Nitrotoluene	137	9.676	9.671	(1.014)	263218	120.000	116.52	REV
139 p-Nitrotoluene	137	9.854	9.849	(1.032)	251445	120.000	116.44	REV
142 p-Phenylenediamine	108	10.232	10.227	(1.072)	505407	120.000	116.77	REV
143 1-Methylnaphthalene	142	10.842	10.837	(1.136)	756920	120.000	109.28	REV
146 Biphenyl	154	11.408	11.403	(0.923)	891639	120.000	96.840	REV
147 2.4-Toluene diamine	121	11.424	11.408	(0.924)	407218	120.000	134.80(A)	REV
148 2,6-Toluene diamine	122	11.457	11.446	(0.927)	422881	120.000	123.80(A)	REV
149 Diphenyl ether	170	11.581	11.576	(0.937)	505616	120.000	103.13	REV
150 1,4-Dinitrobenzene	168	11.834	11.829	(0.957)	142703	120.000	133.47	REV
151 Dimethyl terephthalate	194	12.342	12.337	(0.998)	160299	120.000	113.81	REV
152 2,3-Dinitrotoluene	135	12.730	12.720	(1.030)	159989	120.000	121.19	REV
153 2,3,5,6-Tetrachlorophenol	232	12.865	12.860	(1.041)	204130	120.000	124.22	REV
154 Thionazin	97	13.226	13.216	(1.070)	193891	120.000	113.64	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.771	13.766	(0.934)	128402	120.000	109.85	REV
156 Phorate	75	13.928	13.923	(0.945)	673861	120.000	125.16	REV
157 Dimethoate	87	14.252	14.241	(0.967)	259105	120.000	103.79	REV
158 Disulfoton	88	14.759	14.754	(1.001)	451462	120.000	109.52	REV
159 Methyl parathion	109	15.385	15.380	(1.044)	214030	120.000	106.06	REV
160 Parathion	109	16.010	16.004	(1.086)	168033	120.000	116.75	REV
161 Aramite #1	185	17.251	17.251	(0.906)	63535	120.000		REV
162 Aramite #2	185	17.376	17.370	(0.913)	107825	120.000		REV
163 Famphur	218	18.055	18.056	(0.949)	2694	120.000	53.177	REV
164 4,4-Methylenebis(2-chloroa	266	18.951	18.951	(0.996)	115949	120.000	112.07	REV
167 Dibenz(a,j)acridine	279	23.089	23.073	(1.081)	886563	120.000	116.68	REV
173 1-Methyl-2-pyrrolidone	99	7.912	7.901	(1.040)	346625	120.000	119.85	REV
M 177 Aramite (total)	185				171360	120.000	113.06	

QC Flag Legend

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

280

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D

Date : 12-MAR-2007 18:29

Client ID: APPIX_120

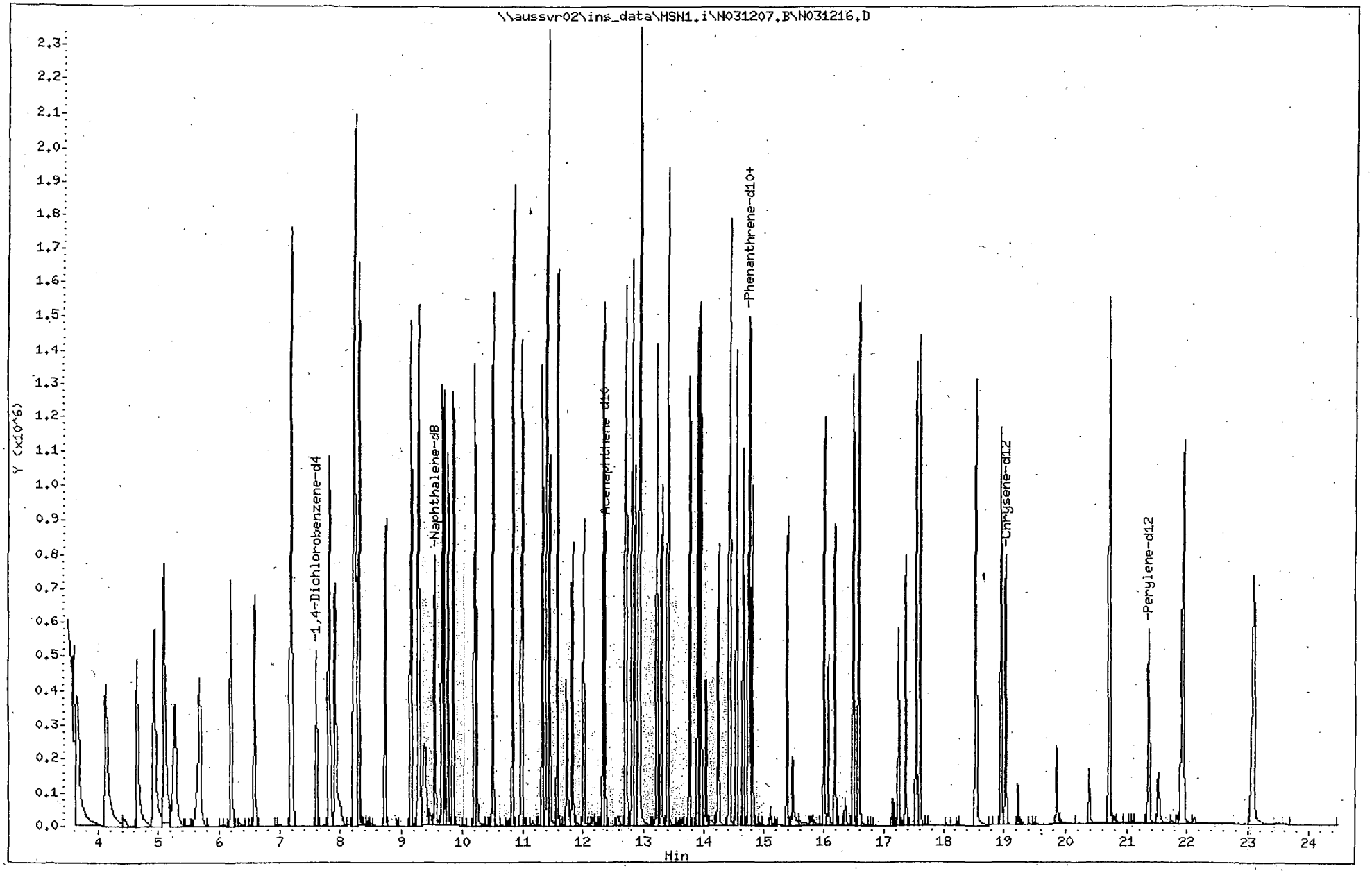
Sample Info: Icalib_6:APPIX_120;;1;6;3;;;; 06MSSV0308

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D Page 1
Report Date: 22-Mar-2007 09:33

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D
Lab Smp Id: Icalib_7 Client Smp ID: APPIX_150
Inj Date : 12-MAR-2007 19:00
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_7;APPIX_150;;1;7;3;;;; 06MSSV0309
Misc Info : ; 3-AP9.sub; IS STD 06MSSV0285
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N031207.B\N031207M.m
Meth Date : 22-Mar-2007 09:31 malloym Quant Type: ISTD
Cal Date : 12-MAR-2007 19:00 Cal File: N031217.D
Als bottle: 17 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.607	7.604	(1.000)	125650	40.0000		REV
* 40 Naphthalene-d8	136	9.549	9.547	(1.000)	470886	40.0000		REV
* 64 Acenaphthene-d10	164	12.366	12.363	(1.000)	334129	40.0000		REV
* 93 Phenanthrene-d10	188	14.745	14.743	(1.000)	427226	40.0000		REV
* 114 Chrysene-d12	240	19.034	19.032	(1.000)	394081	40.0000		REV
* 122 Perylene-d12	264	21.360	21.363	(1.000)	351759	40.0000		REV
26 N-Nitrosomorpholine	56	8.281	8.263	(1.089)	363887	150.000	137.38	REV
37 a,a-Dimethylphenethylamine	58	9.301	9.267	(0.974)	1537551	150.000	140.13	REV
71 1-Naphthylamine	143	12.824	12.811	(1.037)	1051554	150.000	109.60	REV
73 2-Naphthylamine	143	12.938	12.930	(1.046)	991105	150.000	101.62	REV
89 4-Aminobiphenyl	169	14.437	14.430	(0.979)	1167695	150.000	136.34	REV
99 4-Nitroquinoline-1-oxide	190	16.083	16.076	(1.091)	87764	150.000	137.88	REV
100 Methapyrilene	58	16.191	16.183	(1.098)	458149	150.000	134.81(A)	REV
128 1,4-Dioxane	88	3.641	3.628	(0.479)	320502	150.000	144.01	REV
129 2-Ethoxyethanol	59	3.679	3.666	(0.484)	442614	150.000	143.93	REV
130 N,N-Dimethylformamide	73	4.661	4.653	(0.613)	561873	150.000	144.02	REV
131 Propyl cellosolve	43	4.947	4.929	(0.650)	818905	150.000	141.52	REV
132 Acrylamide	55	5.713	5.668	(0.751)	226663	150.000	148.55	REV
136 o,o,o-Triethylphosphorothioat	198	9.155	9.153	(0.959)	251294	150.000	131.55	REV
137 o-Nitrotoluene	120	9.285	9.277	(0.972)	316678	150.000	138.35	REV
138 m-Nitrotoluene	137	9.679	9.671	(1.014)	308588	150.000	139.97	REV
139 p-Nitrotoluene	137	9.862	9.849	(1.033)	295969	150.000	140.43	REV
142 p-Phenylenediamine	108	10.245	10.227	(1.073)	586626	150.000	138.88	REV
143 1-Methylnaphthalene	142	10.844	10.837	(1.136)	876812	150.000	129.72	REV
146 Biphenyl	154	11.411	11.403	(0.923)	1028870	150.000	90.685	REV
147 2.4-Toluene diamine	121	11.432	11.408	(0.925)	523446	150.000	140.62(A)	REV
148 2,6-Toluene diamine	122	11.459	11.446	(0.927)	474535	150.000	112.74	REV
149 Diphenyl ether	170	11.583	11.576	(0.937)	586177	150.000	97.028	REV
150 1,4-Dinitrobenzene	168	11.837	11.829	(0.957)	176099	150.000	133.66	REV
151 Dimethyl terephthalate	194	12.344	12.337	(0.998)	192546	150.000	110.94	REV
152 2,3-Dinitrotoluene	135	12.738	12.720	(1.030)	197071	150.000	121.15	REV
153 2,3,5,6-Tetrachlorophenol	232	12.873	12.860	(1.041)	250068	150.000	123.50	REV
154 Thionazin	97	13.229	13.216	(1.070)	233127	150.000	110.89	REV

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D Page 2
Report Date: 22-Mar-2007 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
155 Sulfotepp	97	13.774	13.766	(0.934)	150097	150.000	132.32	REV
156 Phorate	75	13.930	13.923	(0.945)	784143	150.000	150.08(A)	REV
157 Dimethoate	87	14.259	14.241	(0.967)	279691	150.000	116.07	REV
158 Disulfoton	88	14.761	14.754	(1.001)	526171	150.000	131.53	REV
159 Methyl parathion	109	15.387	15.380	(1.044)	233363	150.000	119.16	REV
160 Parathion	109	16.013	16.004	(1.086)	194919	150.000	139.56	REV
161 Aramite #1	185	17.254	17.251	(0.906)	73253	150.000		REV
162 Aramite #2	185	17.378	17.370	(0.913)	123363	150.000		REV
163 Famphur	218	18.052	18.056	(0.948)	1927	150.000	39.319	REV
164 4,4-Methylenebis(2-chloroa	266	18.953	18.951	(0.996)	138531	150.000	138.41	REV
167 Dibenz(a,j)acridine	279	23.097	23.073	(1.081)	1045953	150.000	141.90	REV
173 1-Methyl-2-pyrrolidone	99	7.914	7.901	(1.040)	419466	150.000	147.94	REV
M 177 Aramite (total)	185				196616	150.000	134.10	

QC Flag Legend

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

Data File: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D

Date : 12-MAR-2007 19:00

Client ID: APPIX_150

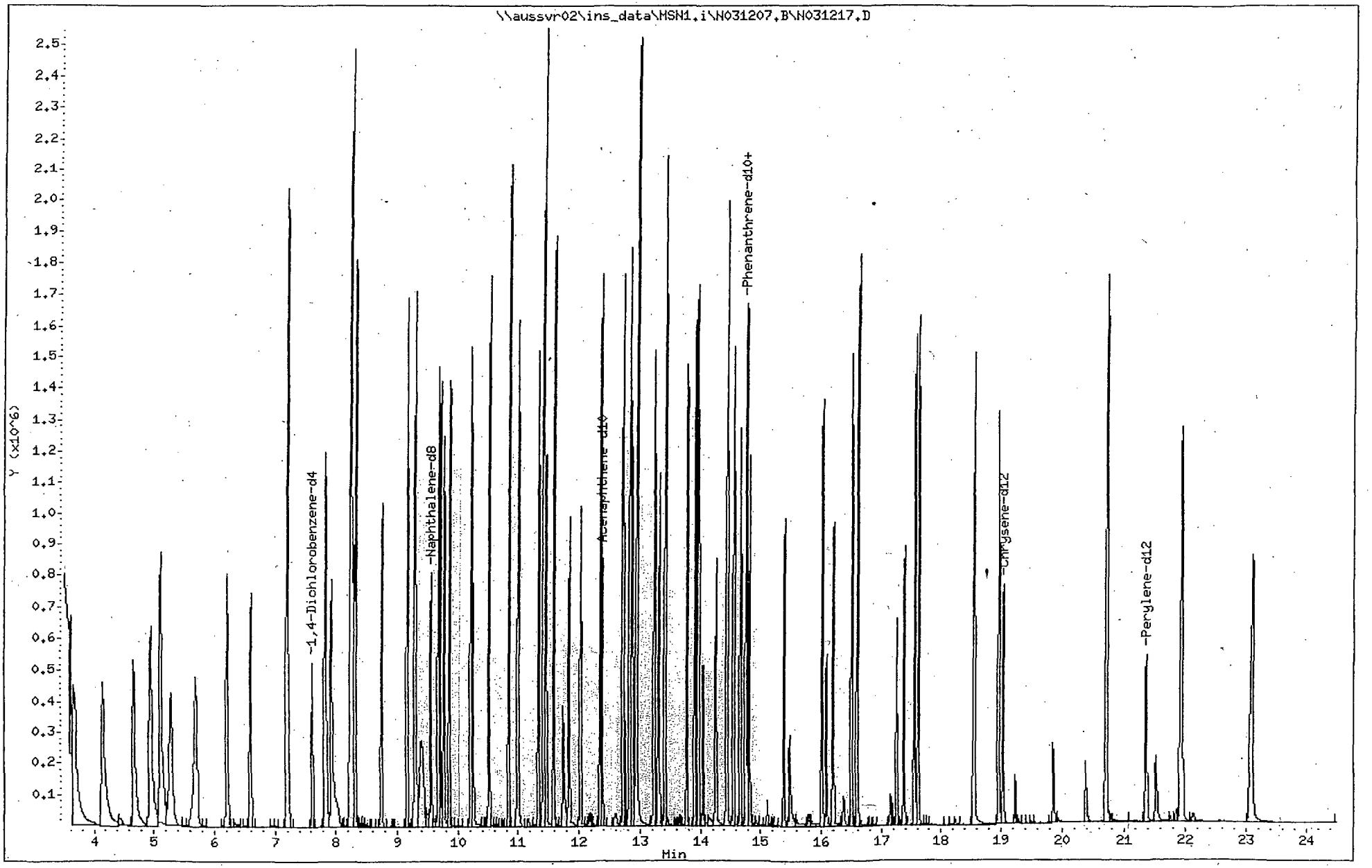
Sample Info: Icalib_7;APPIX_150;;1;7;3;;;; 06MSSV0309

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Report Date : 27-Apr-2007 08:06 Page 2

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2007 11:37
End Cal Date : 26-APR-2007 12:47
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Last Edit : 27-Apr-2007 08:06 MSN1.i
Curve Type : Average

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N042607.B\N042604.D
Level 2: \\aussvr02\ins_data\MSN1.i\N042607.B\N042605.D
Level 3: \\aussvr02\ins_data\MSN1.i\N042607.B\N042606.D
Level 4: \\aussvr02\ins_data\MSN1.i\N042607.B\N042607.D
Level 5: \\aussvr02\ins_data\MSN1.i\N042607.B\N042608.D
~~Level 6: \\aussvr02\ins_data\MSN1.i\N031207.B\N031216.D~~ NA
~~Level 7: \\aussvr02\ins_data\MSN1.i\N031207.B\N031217.D~~ NA

CMA 4/30/07

Compound	10.000 Level 1	20.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	120.000 Level 6	RRF	% RSD
	150.000 Level 7 NA					NA		
174 Caprolactam	0.11651 +++++	0.11740	0.12400	0.12459	0.13004	+++++	0.12251	4.570
218 Benzaldehyde	1.07802 +++++	1.05301	1.03389	1.02489	1.02241	+++++	1.04245	2.229
219 Atrazine	0.24342 +++++	0.23154	0.21712	0.21034	0.20647	+++++	0.22178	6.951

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7D180327	
I7D180179	
I~~8~~D120264	
5/1/07 7	

Method Name/Type: M8270C

Instrument ID: MSN1

Analysis Date: 4/26/07

ICAL Date: 3/12/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits			✓	NA
Runs checked for saturation			✓	
CLP only: surrogates and internal stds. labeled on chromatograms			✓	
Second source check standard analyzed successfully			✓	
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits		✓		✓
Quantified against appropriate standard (see note)	✓			✓
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			✓
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits	✓			✓
MS/MSD/DUPs RPD within limits	✓			✓
Other				
All nonconformances included and noted	✓			✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

I7D180327-23: Surrogates out due to dilution possible matrix effect Rerun at 1X also ✓

I7D180327-13 – 10X dil confirmed the 1X dil results (analyzed on 4/25/07) (Not reported)

Analyst: Mark Malloy M Malloy — Date: 04/27/07

2nd Review: C Hunt — Date: 4/30/07

INSTRUMENT GCMS-N1 (MSD4) ANALYST / DATE: Mark Malloy 4-26-7
SHIFT (Circle): 1 2 3 METHOD / TEST: M8270C
COMPUTER CLOCK DATE / TIME: SOP #: AVS MS 0005

DAILY CHECK ✓	INSERT CHANGED Cleaned	SEPTA CHANGED N	COLUMN CHANGED N	AUTOSAMPLER MAINT. N
M. PUMP OIL N	TURBO OIL N	FILAMENT CHANGE N	OTHER N/A	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTDP.U Sampling Rate 2^M 1
Elect Mult. 1756 volts Scan Range 35-500 amu
Tuning Performance (circle one): Interface (circle one):
DFTPP Autotune Other Direct Jet Separator Other

GC PROGRAM:

GC Meth. N031207MM Initial Temp. 50 C Final Hold 4.56 min
Inj. Temp. 270 C Init.Hold 2.10 min Other Program or Special Conditions:
Carrier Gas: Helium Ramp 15 C/min
Flow/Pressure 7-45 psi Final Temp. 320 C

GC COLUMN:

Column ID#: MS10 # 267 (Circle one) Packed Capillary
Phases/Loadings: RTX MS #5 i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split Splitless pulsed

INSTRUMENT SEQUENCE:

Sample Name, Sample Number, Dilution, etc. Autosampler #

```
Sequence Name: D:\MSN1.I\SEQUENCE\N042607.S
      Comment:
     Operator: malloym
    Data Path: D:\MSN1.I\N042607.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run        On A Barcode Mismatch
 (X) Full Method               (X) Inject Anyway
 ( ) Reprocessing Only         ( ) Don't Inject

Line Type      Vial DataFile Method   Sample Name
-------------------------------------------------------------------------
  1 Sample      2 N042602A N031207M Ccalib_4;HSL_75;;2;4;3;;;; SM
  2 Sample      1 N042601  NDFTPP   DFTPP;DFTPP;;;SMTuneSTK_0001
  3 Sample      2 N042602  N031207M Ccalib_4;HSL_75;;2;4;3;;;; SM
  4 Sample      3 N042603  N031207M Ccalib_4;APPIX_75;;2;4;3;;;;
  5 Sample      4 N042604  N031207M Icalib_1;ODD_10;;1;1;3;;;; SM
  6 Sample      5 N042605  N031207M Icalib_2;ODD_20;;1;2;3;;;; SM
  7 Sample      6 N042606  N031207M Icalib_3;ODD_50;;1;3;3;;;; SM
  8 Sample      7 N042607  N031207M Icalib_4;ODD_75;;1;4;3;;;; SM
  9 Sample      8 N042608  N031207M Icalib_5;ODD_100;;1;5;3;;;; S
 10 Sample      9 N042609  N031207M SSV_3;ODD_050;;0;0;3;;;; SMHS
 11 Sample     10 N042610  N031207M JVFLD1AAB;I7D210000-144;1;0;;
 12 Sample     11 N042611  N031207M JVFLD1ACC;I7D210000-144;1;0;;
 13 Sample     12 N042612  N031207M JT5CX1AC;I7D180179-01;1;0;;2;
 14 Sample     13 N042613  N031207M JT5CX1AFS;I7D180179-01S;1;0;;
 15 Sample     14 N042614  N031207M JT5CX1AGD;I7D180179-01D;1;0;;
 16 Sample     15 N042615  N031207M JVFLD1ADL;I7D210000-144;1;0;;
 17 Sample     16 N042616  N031207M JTR4J1A1;I7D120264-05;1;0;;2;
 18 Sample     17 N042617  N031207M JT5DM1AC;I7D180179-02;1;0;;2;
 19 Sample     18 N042618  N031207M JT6RL1AC;I7D180327-21;1;0;;1;
 20 Sample     19 N042619  N031207M JT6RP1AC;I7D180327-23;1;0;;1; not used
 21 Sample     20 N042620  N031207M JT6R01AC;I7D180327-25;1;0;;1;
 22 Sample     21 N042621  N031207M JT6R81AC;I7D180327-27;1;0;;1;
 23 Sample     22 N042622  N031207M JT6TD1AC;I7D180327-29;1;0;;1;
 24 Sample     23 N042623  N031207M JT6TJ1AC;I7D180327-31;1;0;;1;
 25 Sample     24 N042624  N031207M JTR4J2A1;I7D120264-05;10;0;;2 not used
 26 Sample     25 N042625  N031207M JT6QM2AC;I7D180327-13;10;0;;1
```

Sequence Name: D:\MSN1.I\SEQUENCE\N042607.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N042607.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	2	N042602A	N031207M	Ccalib_4;HSL_75;;2;4;3;;;; SM
2	Sample	1	N042601	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
3	Sample	2	N042602	N031207M	Ccalib_4;HSL_75;;2;4;3;;;; SM
4	Sample	3	N042603	N031207M	Ccalib_4;APPIX_75;;2;4;3;;;;
5	Sample	4	N042604	N031207M	Icalib_1;ODD_10;;1;1;3;;;; SM
6	Sample	5	N042605	N031207M	Icalib_2;ODD_20;;1;2;3;;;; SM
7	Sample	6	N042606	N031207M	Icalib_3;ODD_50;;1;3;3;;;; SM
8	Sample	7	N042607	N031207M	Icalib_4;ODD_75;;1;4;3;;;; SM
9	Sample	8	N042608	N031207M	Icalib_5;ODD_100;;1;5;3;;;; S
10	Sample	9	N042609	N031207M	SSV_3;ODD_050;;0;0;3;;;; SMHS
11	Sample	10	N042610	N031207M	JVFLD1AAB;I7D210000-144;1;0;;
12	Sample	11	N042611	N031207M	JVFLD1ACC;I7D210000-144;1;0;;
13	Sample	12	N042612	N031207M	JT5CX1AC;I7D180179-01;1;0;;2;
14	Sample	13	N042613	N031207M	JT5CX1AFS;I7D180179-01S;1;0;;
15	Sample	14	N042614	N031207M	JT5CX1AGD;I7D180179-01D;1;0;;
16	Sample	15	N042615	N031207M	JVFLD1ADL;I7D210000-144;1;0;;
17	Sample	16	N042616	N031207M	JTR4J1A1;I7D120264-05;1;0;;2;
18	Sample	17	N042617	N031207M	JT5DM1AC;I7D180179-02;1;0;;2;
19	Sample	18	N042618	N031207M	JT6RL1AC;I7D180327-21;1;0;;1;
20	~~Sample~~	~~19~~	~~N042619~~	~~N031207M~~	~~JT6RP1AC;I7D180327-23;1;0;;1;~~ Not used Break 1
21	Sample	20	N042620	N031207M	JT6R01AC;I7D180327-25;1;0;;1;
22	Sample	21	N042621	N031207M	JT6R81AC;I7D180327-27;1;0;;1;
23	Sample	22	N042622	N031207M	JT6TD1AC;I7D180327-29;1;0;;1;
24	Sample	23	N042623	N031207M	JT6TJ1AC;I7D180327-31;1;0;;1;
25	Sample	~~24~~	~~N042624~~	~~N031207M~~	~~JTR4J2A1;I7D120264-05;10;0;;2~~ not
26	Sample	25	~~N042625~~	~~N031207M~~	~~JT6QM2AC;I7D180327-13;10;0;;1~~ used

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N042607.B

Lab File ID: N042601 DFTPP Injection Date: 04/26/07

Instrument ID: MSN1 DFTPP Injection Time: 0920

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	31.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.2 (0.6)1
127	40.0 - 60.0% of mass 198	42.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.5
365	Greater than 1.0% of mass 198	2.38
441	Present, but less than mass 443	10.5
442	Greater than 40.0% of mass 198	72.8
443	17.0 - 23.0% of mass 442	14.3 (19.7)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_75	CCALIB_4	N042602	04/26/07	0939
02	APPIX_75	CCALIB_4	N042603	04/26/07	1016
03	ODD_10	ICALIB_1	N042604	04/26/07	1046
04	ODD_20	ICALIB_2	N042605	04/26/07	1116
05	ODD_50	ICALIB_3	N042606	04/26/07	1147
06	ODD_75	ICALIB_4	N042607	04/26/07	1217
07	ODD_100	ICALIB_5	N042608	04/26/07	1247
08	ODD_050	SSV_3	N042609	04/26/07	1318
09	I7D210000-14	JVFLD1AAB	N042610	04/26/07	1348
10	I7D210000-14	JVFLD1ACC	N042611	04/26/07	1419
11	MW-9-30	JT5CX1AC	N042612	04/26/07	1504
12	I7D180179-01	JT5CX1AFS	N042613	04/26/07	1534
13	I7D180179-01	JT5CX1AGD	N042614	04/26/07	1604
14	I7D210000-14	JVFLD1ADL	N042615	04/26/07	1635
15	BSS-8-EPA	JTR4J1A1	N042616	04/26/07	1705
16	MW-10-35	JT5DM1AC	N042617	04/26/07	1736
17	VIC-G-092FW	JT6RL1AC	N042618	04/26/07	1806
18	VIC-G-093CW	JT6RP1AC	N042619	04/26/07	1836
19	VIC-G-093FW	JT6R01AC	N042620	04/26/07	1906
20	VIC-G-147BW	JT6R81AC	N042621	04/26/07	1937
21	VIC-G-147DW	JT6TD1AC	N042622	04/26/07	2007
22	VIC-G-148BW	JT6TJ1AC	N042623	04/26/07	2037

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D Page 1
Report Date: 27-Apr-2007 07:45

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 26-APR-2007 09:20
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N042607.B\NDFTPP.m
Meth Date : 09-Jan-2007 11:13 malloym Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
8.255	8.311	-0.056	198	191722			0.00- 100.00	100.00
8.255	7.231	1.024	51	59549			30.00- 60.00	31.06
8.255	7.231	1.024	68	0	0.0	0.0	0.00- 2.00	0.00
8.255	7.231	1.024	69	59181			0.00- 0.00	30.87
8.255	7.231	1.024	70	326			0.00- 2.00	0.55
8.255	7.231	1.024	127	80480			40.00- 60.00	41.98
8.255	7.231	1.024	197	0	0.0	0.0	0.00- 1.00	0.00
8.255	7.231	1.024	199	12976			5.00- 9.00	6.77
8.255	7.231	1.024	275	45005			10.00- 30.00	23.47
8.255	7.231	1.024	365	4562			1.00- 0.00	2.38
8.255	7.231	1.024	441	20120			0.01- 99.99	73.30
8.255	7.231	1.024	442	139581			40.00- 0.00	72.80
8.255	7.231	1.024	443	27450			17.00- 23.00	19.67

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

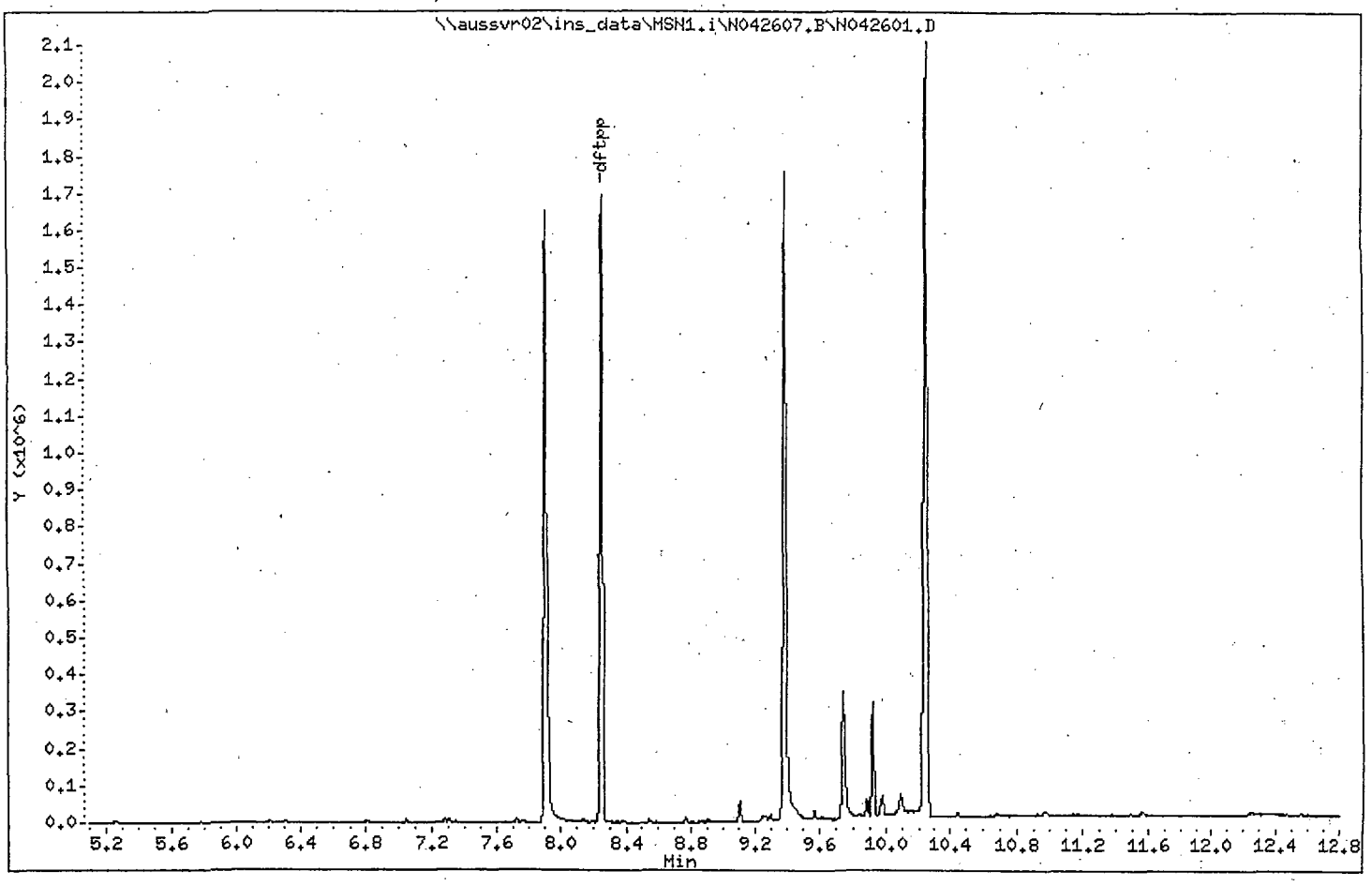
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

Instrument: MSN1.i

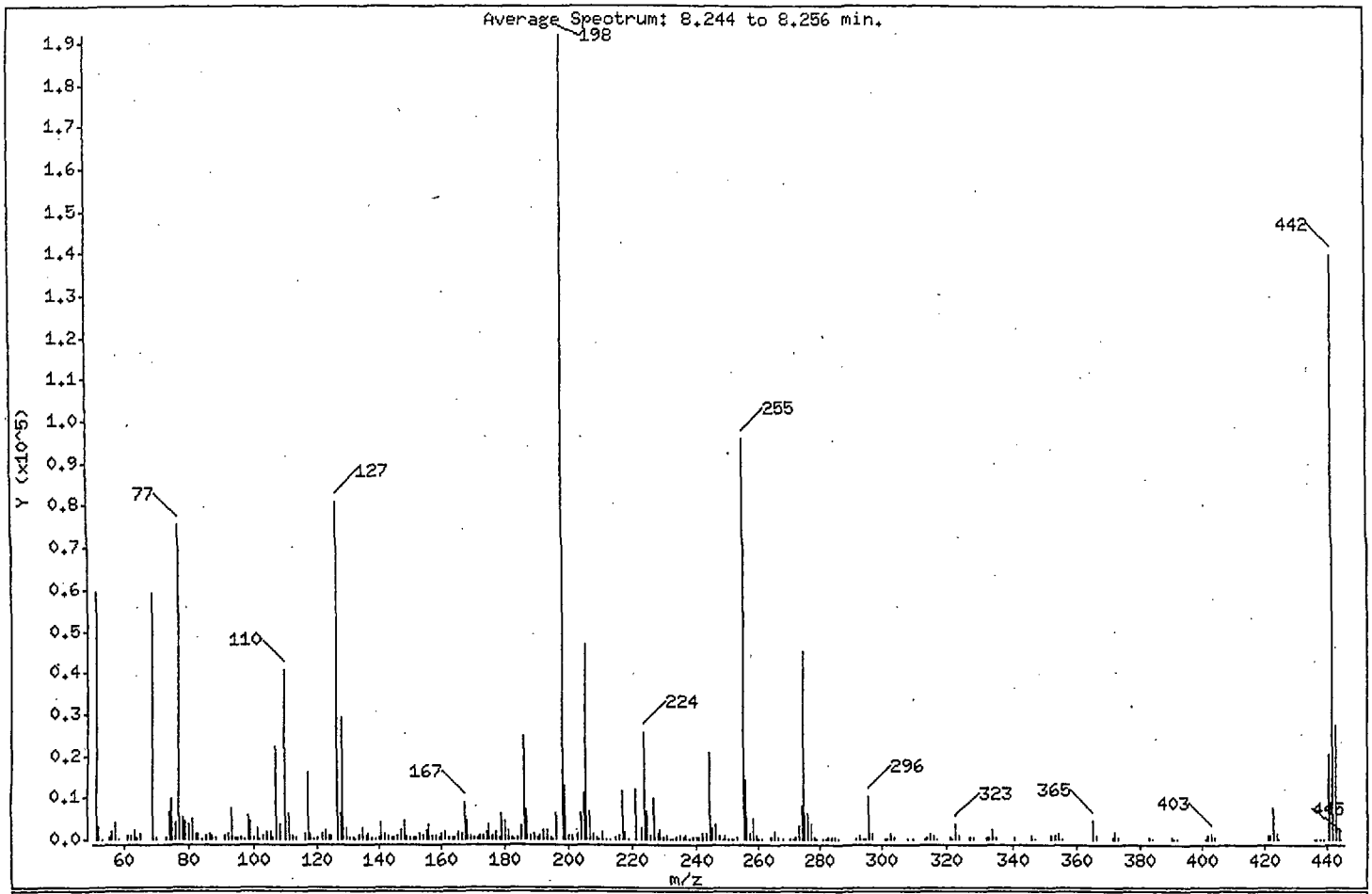
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	30.87
70	Less than 2.00% of mass 69	0.17 (0.55)
127	40.00 - 60.00% of mass 198	41.98
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	23.47
365	Greater than 1.00% of mass 198	2.38
441	Present, but less than mass 443	10.49
442	Greater than 40.00% of mass 198	72.80
443	17.00 - 23.00% of mass 442	14.32 (19.67)

M 4-27-7

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N042601.D
Spectrum: Average Spectrum: 8.244 to 8.256 min.
Location of Maximum: 198.00
Number of points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
51.00	59544	135.00	2556	206.00	46536	284.00	280
52.00	3123	136.00	974	207.00	6425	285.00	601
53.00	116	137.00	1252	208.00	1531	286.00	53
55.00	352	138.00	328	209.00	550	292.00	120
56.00	1686	139.00	176	210.00	208	293.00	759
57.00	3976	140.00	394	211.00	1881	294.00	175
58.00	183	141.00	3805	212.00	122	295.00	71
61.00	736	142.00	1365	213.00	108	296.00	10086
62.00	862	143.00	933	215.00	509	297.00	1445
63.00	2391	144.00	277	216.00	1039	301.00	124
64.00	332	145.00	271	217.00	11478	302.00	169
65.00	1243	146.00	733	218.00	1579	303.00	1313
69.00	59176	147.00	2084	219.00	122	304.00	375
70.00	326	148.00	4506	221.00	11681	308.00	67
73.00	558	149.00	960	223.00	2697	310.00	115
74.00	6509	150.00	288	224.00	25448	313.00	51
75.00	9865	151.00	555	225.00	6543	314.00	542
76.00	3753	152.00	266	226.00	740	315.00	1163
77.00	75224	153.00	1266	227.00	9733	316.00	739
78.00	5209	154.00	1079	228.00	1458	317.00	121
79.00	4430	155.00	2209	229.00	2105	321.00	345
80.00	3371	156.00	3583	230.00	362	322.00	169
81.00	4940	157.00	725	231.00	954	323.00	3672
82.00	1290	158.00	798	232.00	143	324.00	721
83.00	1241	159.00	625	233.00	174	327.00	646
84.00	102	160.00	1269	234.00	608	328.00	383
85.00	1007	161.00	1936	235.00	728	332.00	268
86.00	1324	162.00	577	236.00	526	333.00	397
87.00	674	163.00	235	237.00	756	334.00	2380
88.00	260	164.00	260	238.00	57	335.00	618
91.00	1079	165.00	1686	239.00	399	341.00	412
92.00	1261	166.00	1274	240.00	301	346.00	784
93.00	7343	167.00	8856	241.00	570	347.00	108
94.00	562	168.00	4218	242.00	1344	352.00	1029
95.00	231	169.00	801	243.00	1453	353.00	807

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042601.D

Date : 26-APR-2007 09:20

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

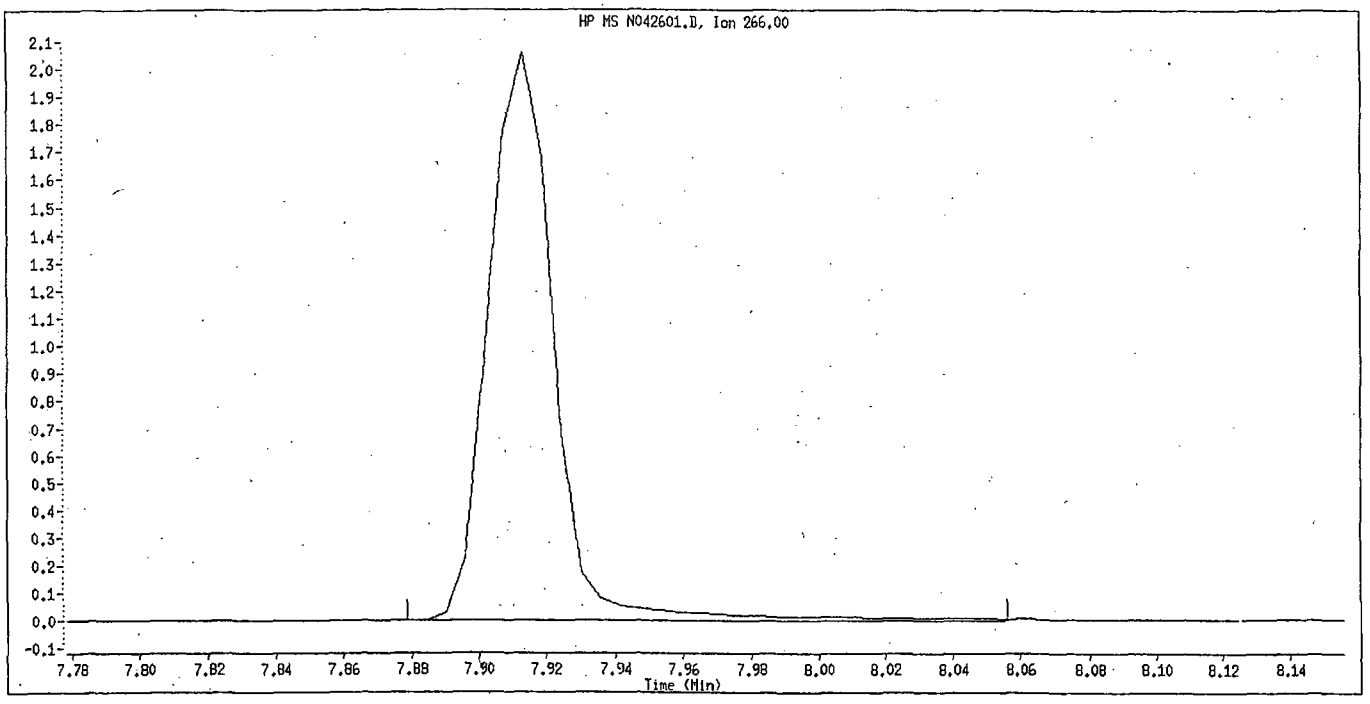
Column diameter: 0.25

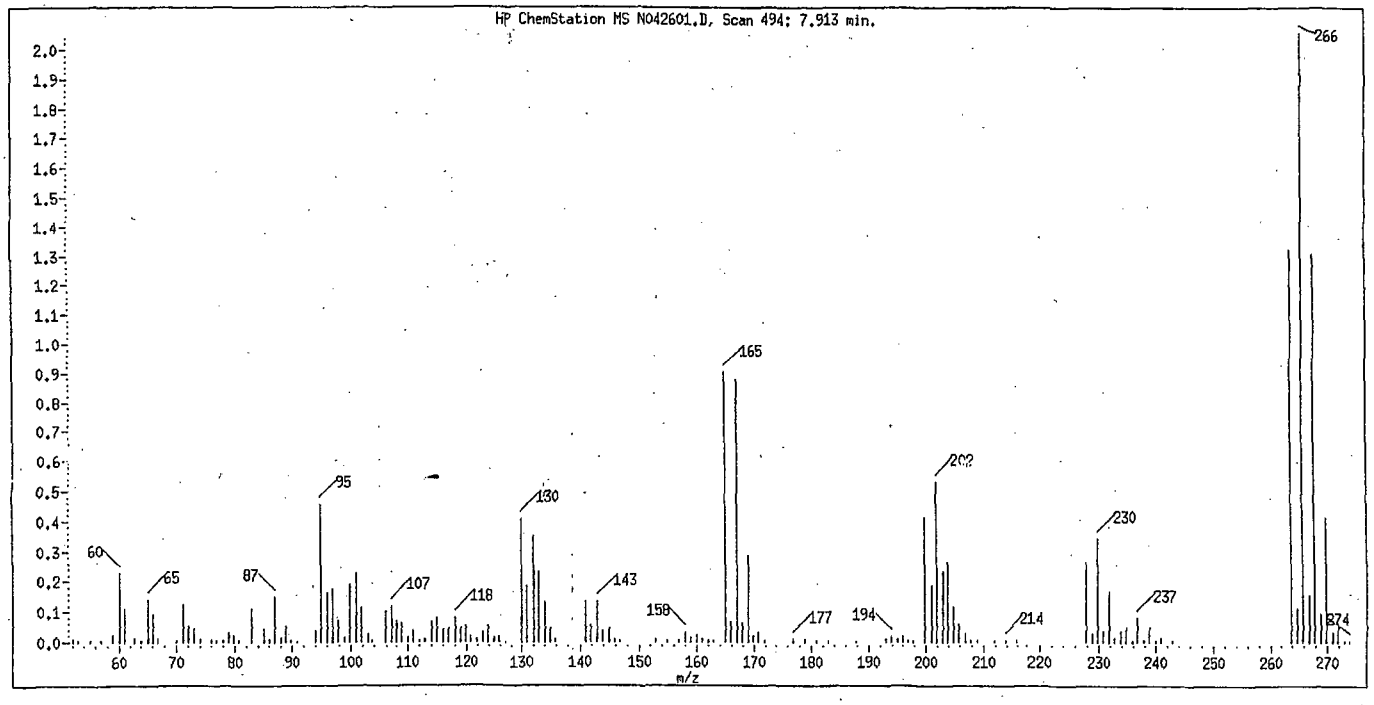
Data File: N042601.D
Spectrum: Average Spectrum: 8.244 to 8.256 min.
Location of Maximum: 198.00
Number of points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	440	170.00	298	244.00	20744	354.00	1179
97.00	156	171.00	371	245.00	2674	355.00	190
98.00	5718	172.00	717	246.00	3434	365.00	4562
99.00	4606	173.00	987	247.00	710	366.00	726
100.00	432	174.00	1890	248.00	204	371.00	271
101.00	2813	175.00	3373	249.00	718	372.00	1963
102.00	170	176.00	1093	250.00	136	373.00	559
103.00	937	177.00	1609	251.00	205	383.00	514
104.00	1762	178.00	605	252.00	154	384.00	111
105.00	1681	179.00	6023	253.00	525	390.00	234
106.00	374	180.00	4239	255.00	95816	391.00	175
107.00	21856	181.00	2058	256.00	14095	392.00	65
108.00	3557	182.00	355	257.00	1165	401.00	53
110.00	40320	183.00	151	258.00	4928	402.00	761
111.00	6035	184.00	532	259.00	792	403.00	1131
112.00	746	185.00	3078	260.00	126	404.00	400
113.00	256	186.00	24480	261.00	161	421.00	1040
116.00	1243	187.00	7214	264.00	277	422.00	890
117.00	15894	188.00	712	265.00	1958	423.00	7600
118.00	1209	189.00	1458	266.00	545	424.00	1527
119.00	192	190.00	281	268.00	220	425.00	148
120.00	311	191.00	790	270.00	172	436.00	58
122.00	1493	192.00	2006	271.00	135	437.00	62
123.00	2179	193.00	2300	272.00	337	438.00	72
124.00	1003	194.00	502	273.00	2933	439.00	55
125.00	1013	195.00	105	274.00	8127	441.00	20120
127.00	80480	196.00	6080	275.00	45000	442.00	139520
128.00	6131	198.00	191680	276.00	6153	443.00	27448
129.00	29152	199.00	12976	277.00	3324	444.00	2657
130.00	2493	200.00	993	278.00	591	445.00	147
131.00	531	201.00	989	279.00	101		
132.00	359	203.00	1181	281.00	111		
133.00	180	204.00	6370	282.00	51		
134.00	891	205.00	10810	283.00	440		

Data File: N042601.D
Inj Date: 26-APR-2007 09:20
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 04/26/2007

TAILING FACTOR

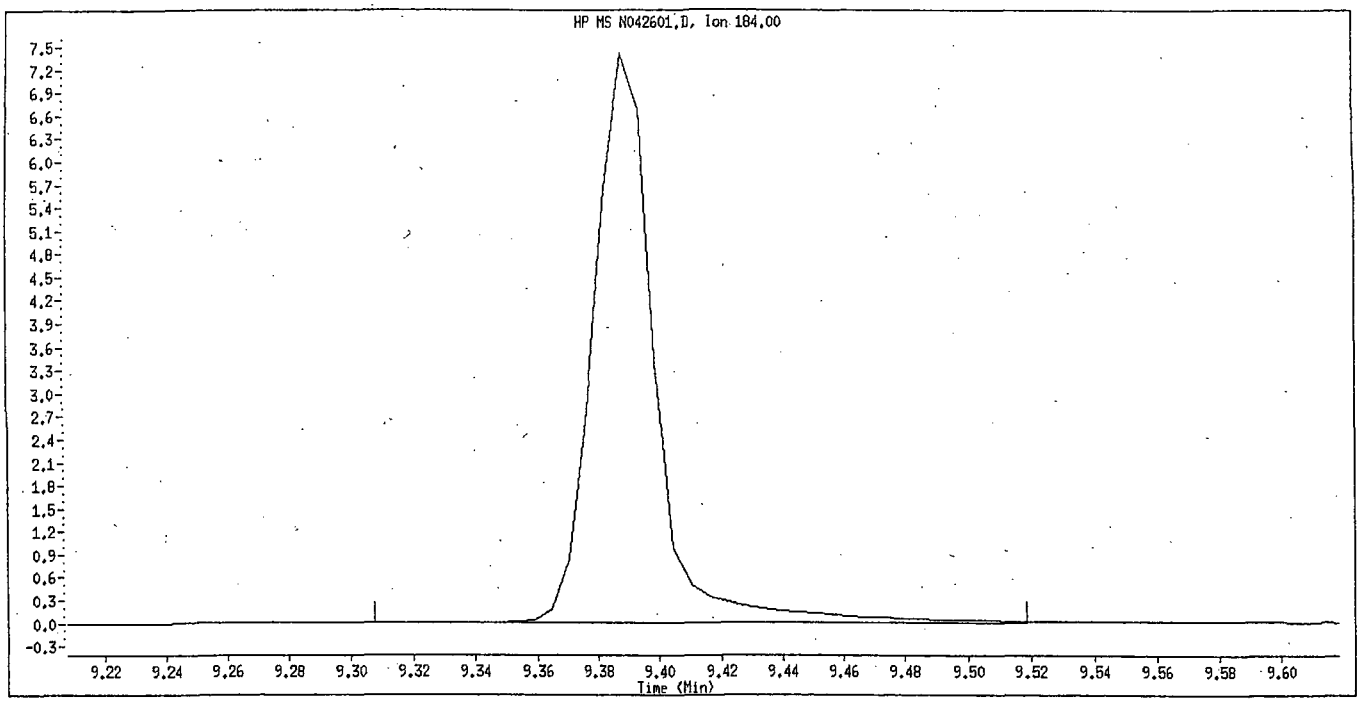


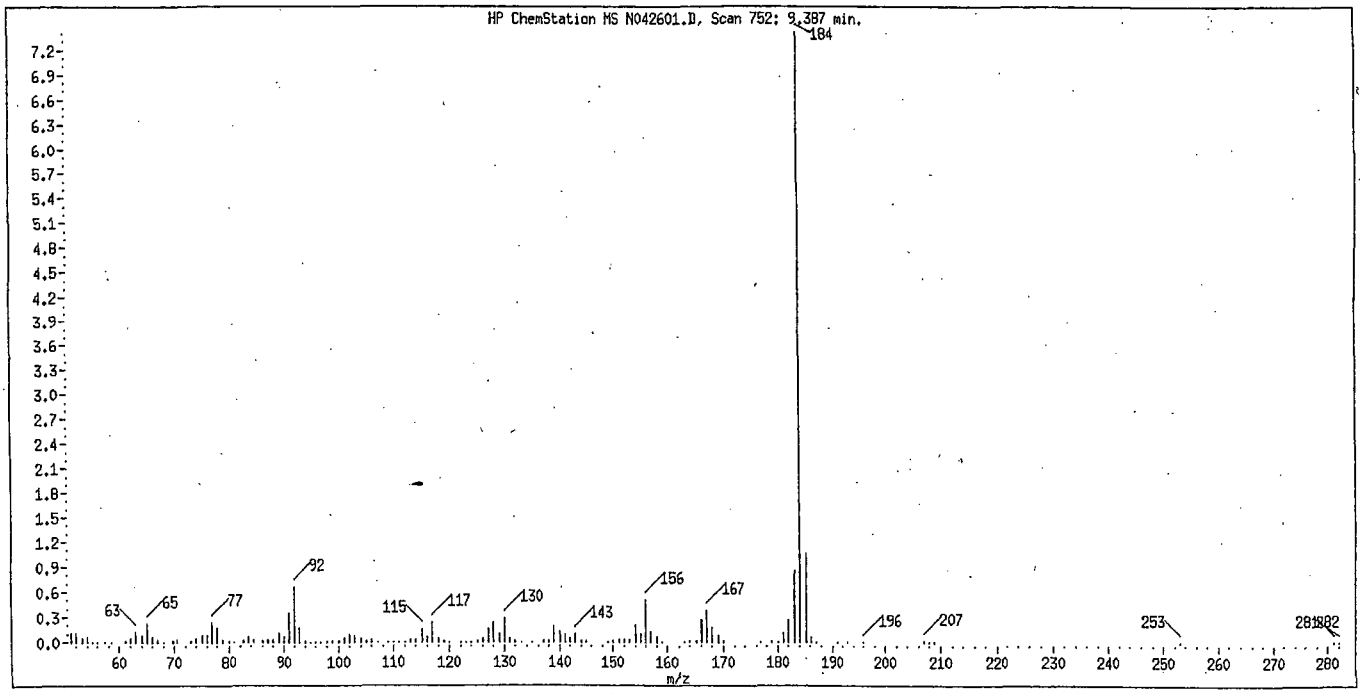


Tailing Factor = 0.944 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.895001 T2 = 7.91285 T3 = 7.929692

Data File: N042601.D
Inj Date: 26-APR-2007 09:20
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 04/26/2007

TAILING FACTOR

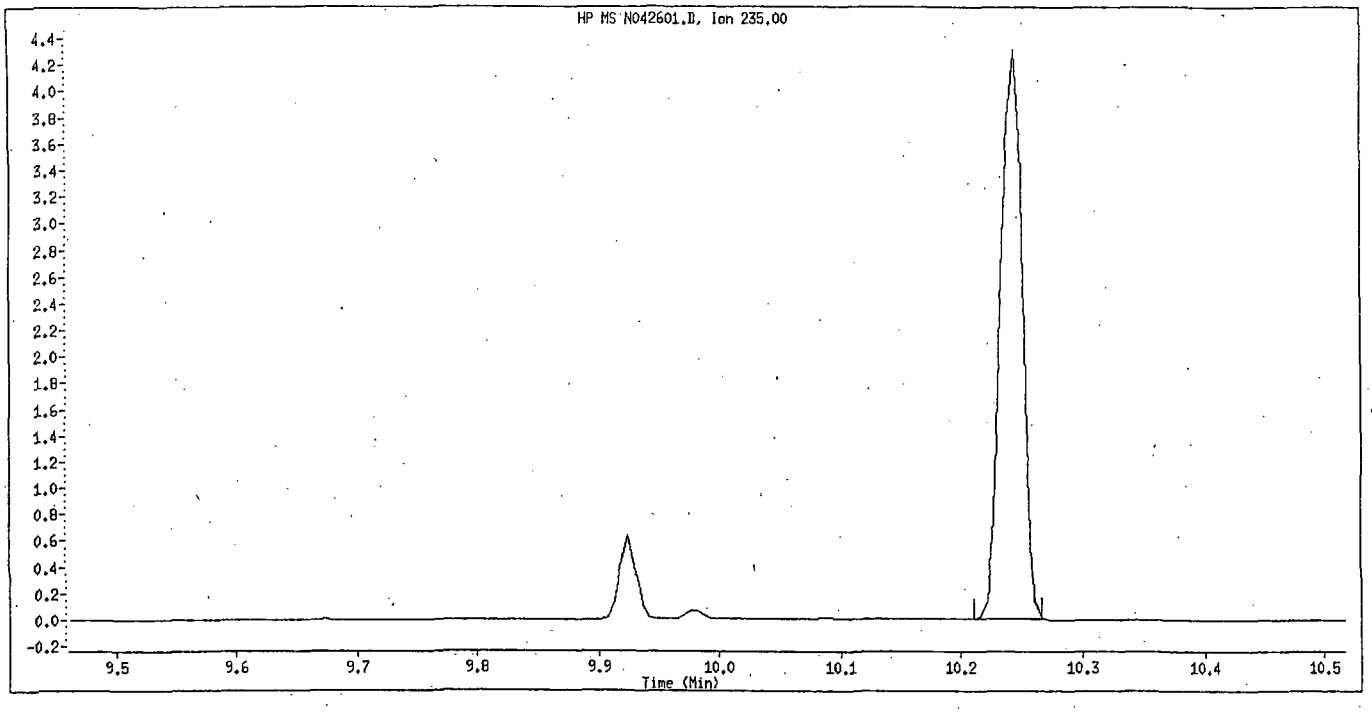




Tailing Factor = 1.11 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 9.369455 T2 = 9.38745 T3 = 9.40747

Data File: N042601.D
Inj Date: 26-APR-2007 09:20
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 04/26/2007

DEGRADATION REPORT



Degradation = 11% Good
Acceptance Criteria 0 - 20 %
DDT Area = 566358
DDE Area = 62148
DDD Area = 7803

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042604.D Page 1
Report Date: 27-Apr-2007 08:08

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042604.D
Lab Smp Id: Icalib_1 Client Smp ID: ODD_10
Inj Date : 26-APR-2007 10:46
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;ODD_10;;1;1;3;;;; SMSSV2STDL_00001
Misc Info : ; 3-ODD.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 08:08 MSN1.i Quant Type: ISTD
Cal Date : 26-APR-2007 12:47 Cal File: N042608.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-ODD.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.530	7.529	(1.000)	121708	40.0000		REV
* 40 Naphthalene-d8	136	9.467	9.471	(1.000)	435388	40.0000		REV
* 64 Acenaphthene-d10	164	12.273	12.272	(1.000)	231791	40.0000		REV
* 93 Phenanthrene-d10	188	14.631	14.640	(1.000)	411995	40.0000		REV
* 114 Chrysene-d12	240	18.909	18.908	(1.000)	402347	40.0000		REV
* 122 Perylene-d12	264	21.148	21.147	(1.000)	337111	40.0000		REV
174 Caprolactam	113	10.082	10.124	(1.065)	12682	10.0000	9.5107	REV
218 Benzaldehyde	106	6.926	6.930	(0.920)	32801	10.0000	10.341	REV
219 Atrazine	200	14.188	14.209	(0.970)	25072	10.0000	10.976	REV

MM 4-27-7

298

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042604.D

Date : 26-APR-2007 10:46

Client ID: ODD_10

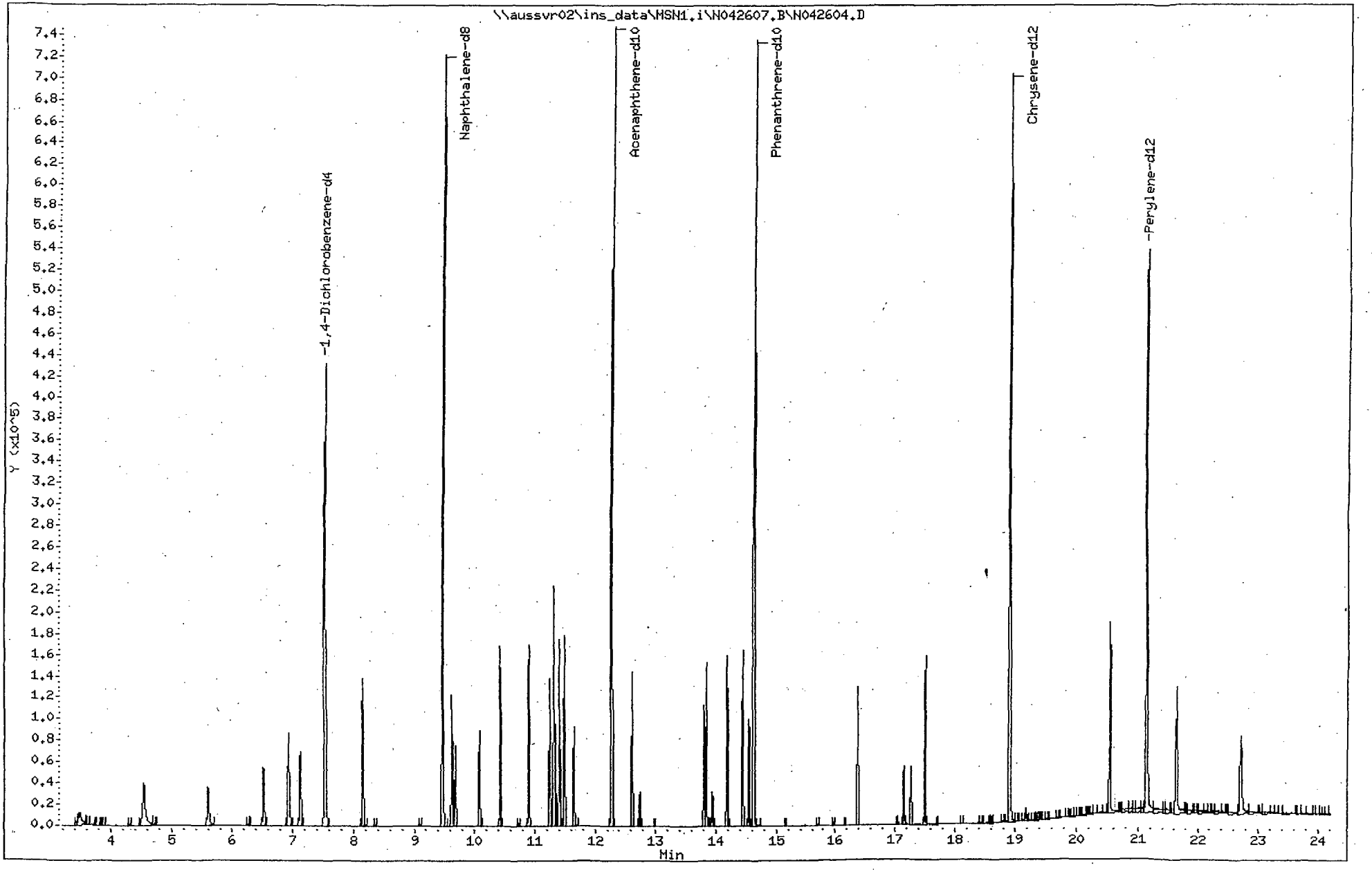
Sample Info: Icalib_1;ODD_10;;1;1;3;;;; SMSSV2STDL_00001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042605.D Page 1
Report Date: 27-Apr-2007 08:08

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042605.D
Lab Smp Id: Icalib_2 Client Smp ID: ODD_20
Inj Date : 26-APR-2007 11:16
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;ODD_20;;1;2;3;;;; SMSSV2STDL_00002
Misc Info : ; 3-ODD.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 08:08 MSN1.i Quant Type: ISTD
Cal Date : 26-APR-2007 10:46 Cal File: N042604.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-ODD.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.529	7.529	(1.000)	121750	40.0000		REV
* 40 Naphthalene-d8	136	9.466	9.471	(1.000)	434801	40.0000		REV
* 64 Acenaphthene-d10	164	12.272	12.272	(1.000)	232822	40.0000		REV
* 93 Phenanthrene-d10	188	14.630	14.640	(1.000)	420619	40.0000		REV
* 114 Chrysene-d12	240	18.909	18.908	(1.000)	399510	40.0000		REV
* 122 Perylene-d12	264	21.148	21.147	(1.000)	332797	40.0000		REV
174 Caprolactam	113	10.087	10.124	(1.066)	25522	20.0000	19.166	REV
218 Benzaldehyde	106	6.925	6.930	(0.920)	64102	20.0000	20.203	REV
219 Atrazine	200	14.193	14.209	(0.970)	48695	20.0000	20.880	REV

MM 9-27-7

300

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042605.D

Date : 26-APR-2007 11:16

Client ID: ODD_20

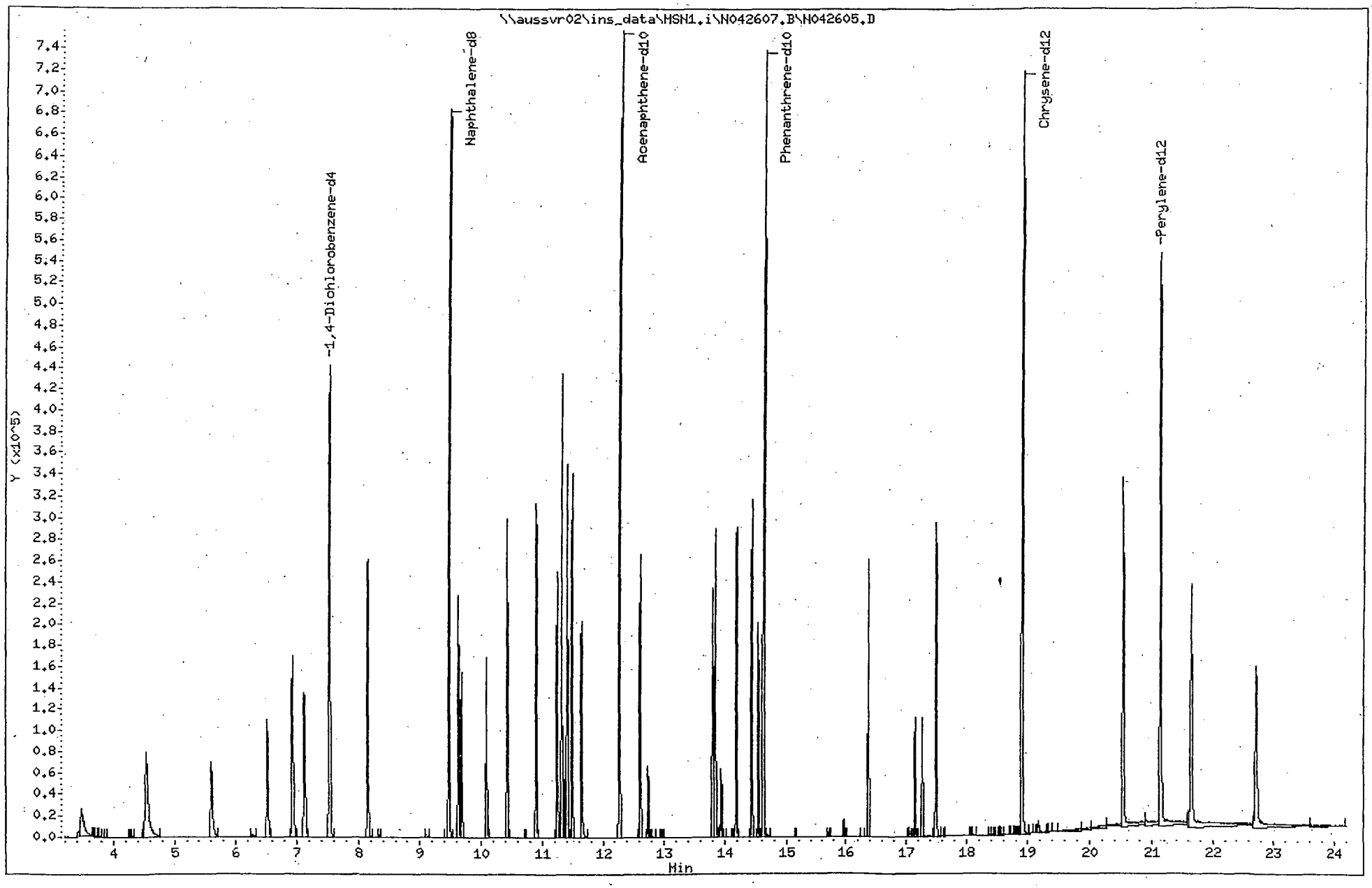
Sample Info: Icalib_2;ODD_20;;1;2;3;;;; SMSSV2STDL_00002

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042606.D Page 1
Report Date: 27-Apr-2007 08:08

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042606.D
Lab Smp Id: Icalib_3 Client Smp ID: ODD_50
Inj Date : 26-APR-2007 11:47
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;ODD_50;;1;3;3;;;; SMSSV2STDL_00003
Misc Info : ; 3-ODD.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 08:08 MSN1.i Quant Type: ISTD
Cal Date : 26-APR-2007 11:16 Cal File: N042605.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-ODD.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.530	7.529	(1.000)	121987	40.0000		REV
* 40 Naphthalene-d8	136	9.467	9.471	(1.000)	437201	40.0000		REV
* 64 Acenaphthene-d10	164	12.272	12.272	(1.000)	236916	40.0000		REV
* 93 Phenanthrene-d10	188	14.636	14.640	(1.000)	430158	40.0000		REV
* 114 Chrysene-d12	240	18.909	18.908	(1.000)	404849	40.0000		REV
* 122 Perylene-d12	264	21.148	21.147	(1.000)	337980	40.0000		REV
174 Caprolactam	113	10.109	10.124	(1.068)	67764	50.0000	50.608	REV
218 Benzaldehyde	106	6.931	6.930	(0.920)	157652	50.0000	49.590	REV
219 Atrazine	200	14.199	14.209	(0.970)	116746	50.0000	48.950	REV

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302

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042606.D

Date : 26-APR-2007 11:47

Client ID: ODD_50

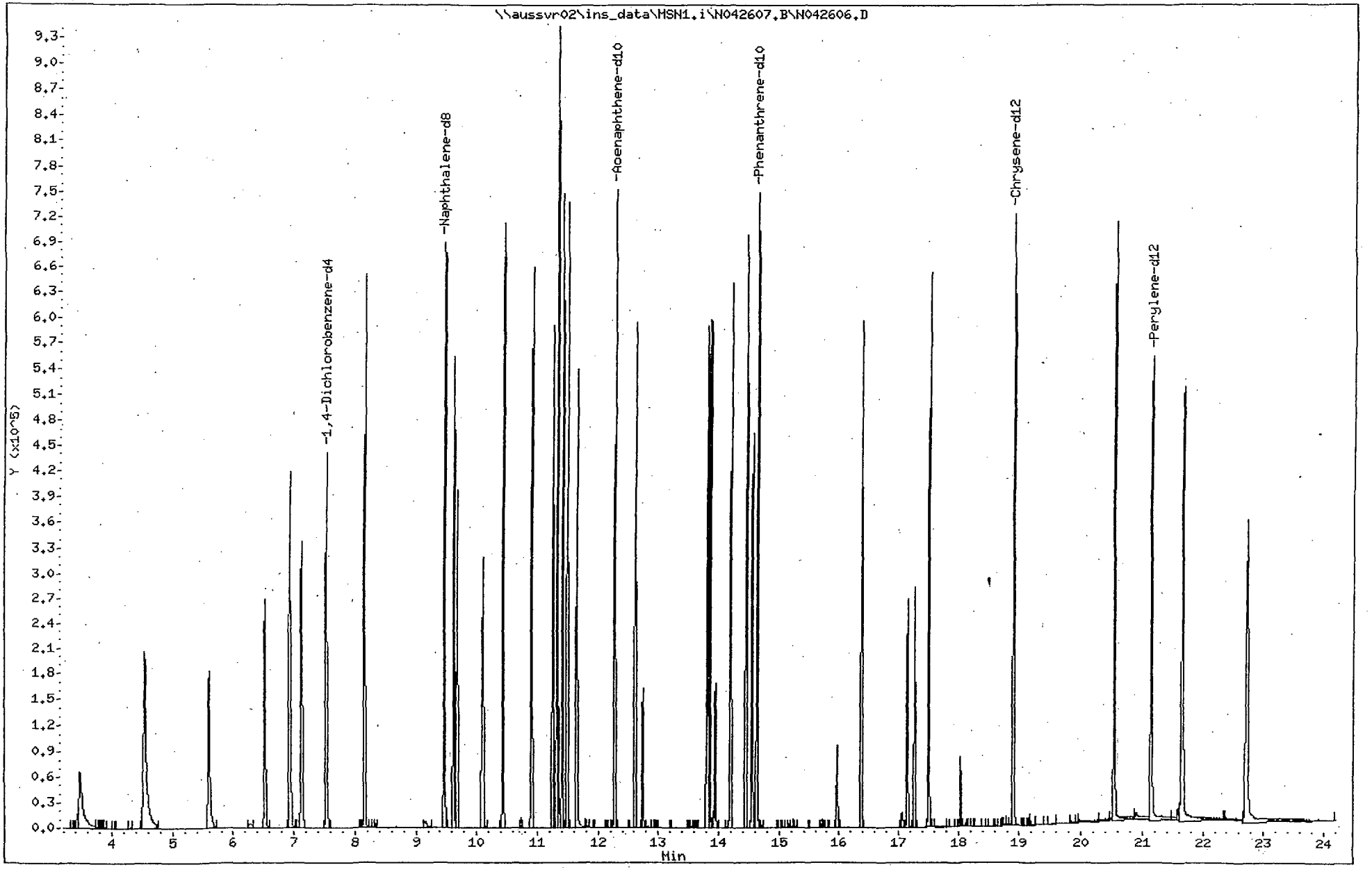
Sample Info: Icalib_3;ODD_50;;1;3;3;;;; SMSSV2STDL_00003

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042607.D Page 1
Report Date: 27-Apr-2007 08:08

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042607.D
Lab Smp Id: Icalib_4 Client Smp ID: ODD_75
Inj Date : 26-APR-2007 12:17
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;ODD_75;;1;4;3;;;; SMSSV2STDL_00004
Misc Info : ; 3-ODD.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 08:08 MSN1.i Quant Type: ISTD
Cal Date : 26-APR-2007 11:47 Cal File: N042606.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-ODD.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.529	7.529	(1.000)	124291	40.0000		REV
* 40 Naphthalene-d8	136	9.471	9.471	(1.000)	449107	40.0000		REV
* 64 Acenaphthene-d10	164	12.272	12.272	(1.000)	241295	40.0000		REV
* 93 Phenanthrene-d10	188	14.640	14.640	(1.000)	447351	40.0000		REV
* 114 Chrysene-d12	240	18.908	18.908	(1.000)	412742	40.0000		REV
* 122 Perylene-d12	264	21.147	21.147	(1.000)	347439	40.0000		REV
174 Caprolactam	113	10.124	10.124	(1.069)	104912	75.0000	76.274	REV
218 Benzaldehyde	106	6.930	6.930	(0.920)	238847	75.0000	73.737	REV
219 Atrazine	200	14.209	14.209	(0.971)	176430	75.0000	71.132	REV

MM 4-27-7

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042607.D

Date : 26-APR-2007 12:17

Client ID: ODD_75

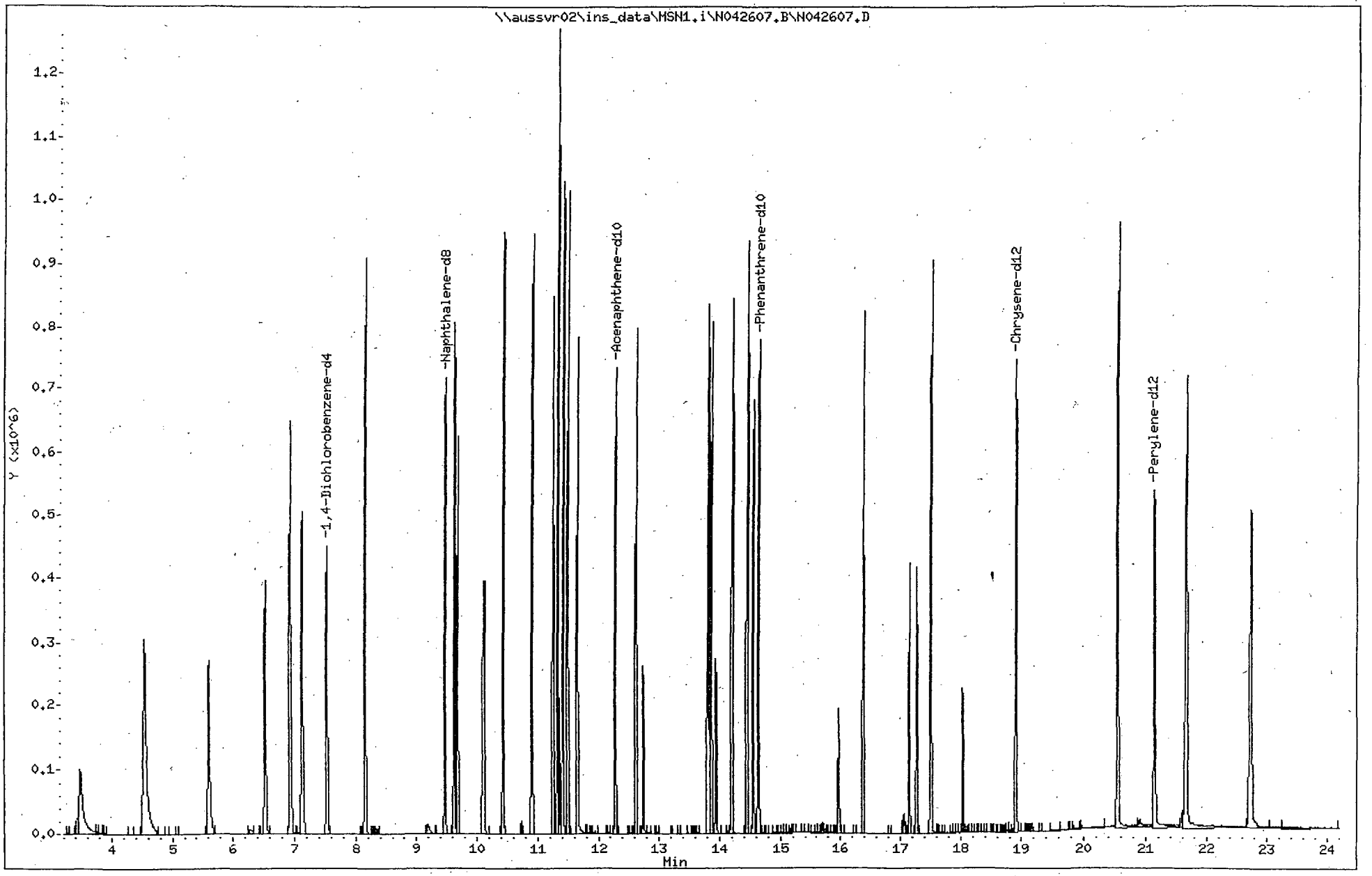
Sample Info: Icalib_4;ODD_75;;1;4;3;;;; SMSSV2STDL_00004

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042608.D Page 1
Report Date: 27-Apr-2007 08:08

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N042607.B\N042608.D
Lab Smp Id: Icalib_5 Client Smp ID: ODD_100
Inj Date : 26-APR-2007 12:47
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;ODD_100;;1;5;3;;;; SMSSV2STDL_00005
Misc Info : ; 3-ODD.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N042607.B\N031207M.m
Meth Date : 27-Apr-2007 08:08 MSN1.i Quant Type: ISTD
Cal Date : 26-APR-2007 12:17 Cal File: N042607.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-ODD.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.530	7.529	(1.000)	123733	40.0000		REV
* 40 Naphthalene-d8	136	9.472	9.471	(1.000)	446713	40.0000		REV
* 64 Acenaphthene-d10	164	12.273	12.272	(1.000)	245267	40.0000		REV
* 93 Phenanthrene-d10	188	14.641	14.640	(1.000)	455286	40.0000		REV
* 114 Chrysene-d12	240	18.909	18.908	(1.000)	413577	40.0000		REV
* 122 Perylene-d12	264	21.148	21.147	(1.000)	345080	40.0000		REV
174 Caprolactam	113	10.136	10.124	(1.070)	145227	100.000	106.15(A)	REV
218 Benzaldehyde	106	6.931	6.930	(0.920)	316265	100.000	98.078	REV
219 Atrazine	200	14.215	14.209	(0.971)	235005	100.000	93.097	REV

QC Flag Legend

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

AM 4-27-7

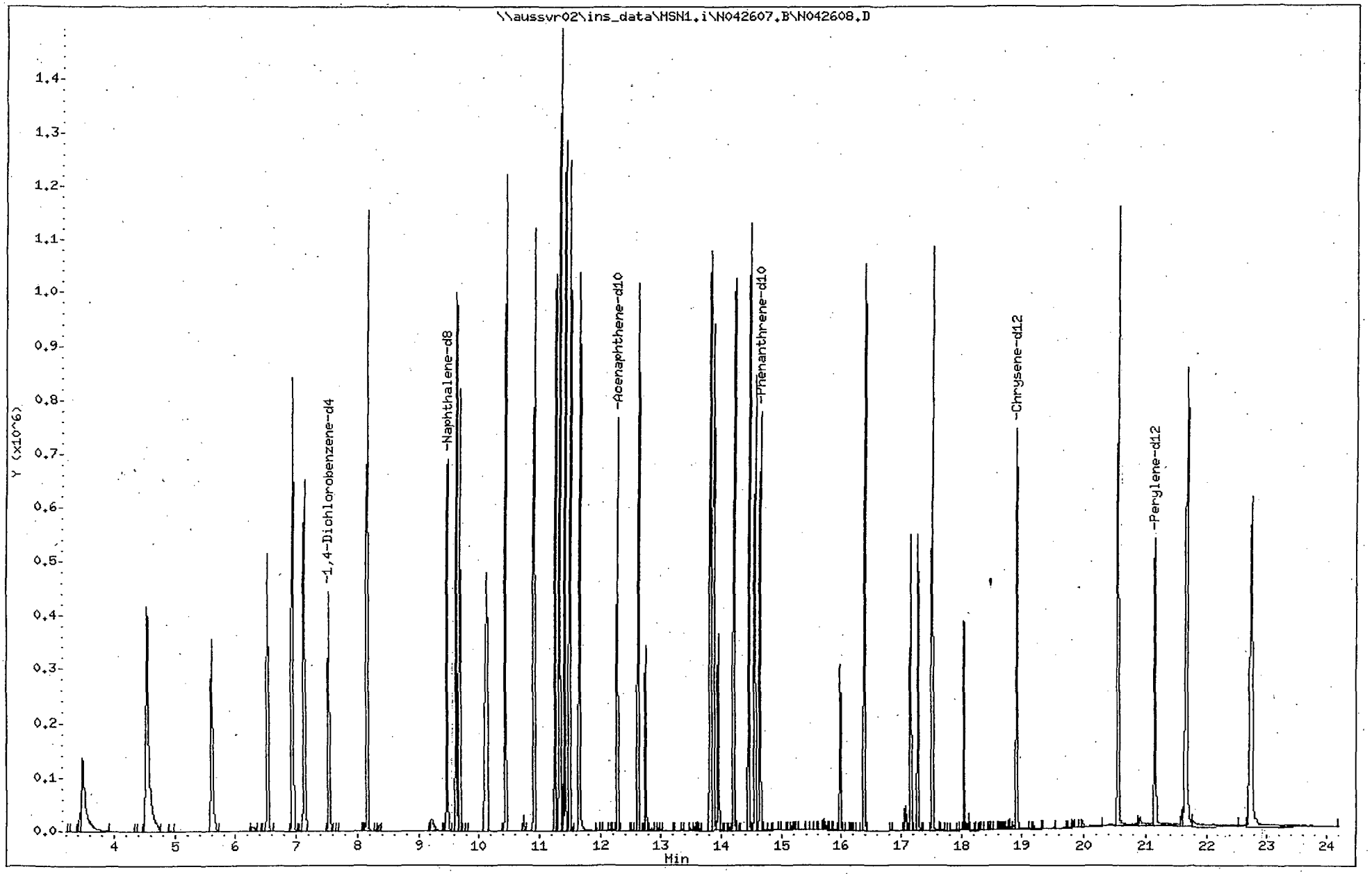
306

Data File: \\aussvr02\ins_data\MSN1.i\N042607.B\N042608.D
Date : 26-APR-2007 12:47
Client ID: ODD_100
Sample Info: Icalib_5;ODD_100;;1;5;3;;;; SMSSV2STDL_00005

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



METALS

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 6020

Associated Samples: 1-5

Batch Number: 7109235

QC & Sample Data

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: SW846 6020 / EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:
Analyst: XE Run Date: 4-23-07 Instrument: A1
Prep Batches: 7109235
HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)	✓			✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?	✓			✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?		✓		✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?				✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 4-24-07
Comments:

2nd Level Reviewer: [signature] Date: 4/25/07
Comments:

STL Austin

Analyst HD Date 4/19/07 **SOP No#:** AUS-IP-0002, current revision
(Circle one) AUS-IP-0003, current revision
AUS-IP-0010, current revision
AUS-IP-0011, current revision

Digestion Method 3050B 46 6010/6020

Hot Block Temp. Criteria: 90°C ± 5°C

Hot Block Temp. Check for HEP (Gentle Boil) NA

Digestion Cup Lot #: A6122-5109

Hot Block ID#	Temp. (°C)	Thermometer
A		
B		
C	93	STL-7-14
D		
E		

Spiking Solutions:

0.1 mL StdsLog # 06MET0837
0.1 mL StdsLog # 0838
0.1 mL StdsLog # 0839

0.1 mL StdsLog # 06MET0840
— mL StdsLog # —
— mL StdsLog # —

Reagents	Lot #/StdsLog #	Reagents	Lot #/StdsLog #
HNO_3 (1:1)	1:1HNO3-00001	HCl (1:1)	—
HNO_3 (1:4)	—	HCl (conc.)	HCl-00003
HNO3 (conc.)	HNO3-00002	H_2O_2	H2O2-00001

Balance ID #: XLVI (46)

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
BK	1.00	NA	100	
LCS	1.00			
JTQ8J	1.03			6010 only
JTR30	1.26			
—S	1.33			
—SD	1.39			
JTR39	1.35			
JTR4C	1.41			
JTR4F	1.24			
JTR4J	1.03			

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
4/19/07				
[illegible]				

PE ICPMS (A1) Serial Dilution and Analytical Spike Recovery Calculations						STL, Austin				
		BATCH #	7109235	*S.D. Criteria = 10%*						
		Work Order:	JTR30	*A.S. Criteria=75-125%*						
		Instrument Factor:	1				AS DF			
							1.04		A.S.	A.S.
MDL	A. Spike		Original	S.D.	A.S.	SD %	AS %	SD	<75%	>125%
(ug/L)	(mg/L)	Element	Result (ug/L)	Result (ug/L	Result (ug/L)	Difference	Recovery	Flag	Flag	Flag
1.181	50	Li	12.736	2.884	52.938	<50 x MDL	81.38			
0.0796	50	Be	0.586	0.125	40.361	<50 x MDL	79.60			
	50	B								
23.63	5000	Na								
6.231	5000	Mg								
19.4	5000	Al	13560.04	2982.508	16994.483	9.97	79.12			
24.51	5000	K								
25.45	5000	Ca								
0.144	50	Ti	93.607	19.902	128.754	6.31	77.49			
0.091	50	V								
0.123	50	Cr								
13.22	5000	Fe	12455.56	2590.775	16492.267	4.00	90.32			
3	50	Mn	156.244	31.987	192.206	2.36	83.94			
0.0789	50	Co	4.856	1.016	48.643	4.61	87.95			
0.185	50	Ni	12.027	2.755	54.351	14.53	85.57	L		
0.16	50	Cu	10.119	2.127	53.381	5.10	87.30			
2.653	50	Zn	61.61	13.214	102.012	<50 x MDL	85.54			
0.0983	50	As	2.203	0.452	44.625	<50 x MDL	85.01			
0.253	50	Se	0.102	0	43.657	<50 x MDL	87.12			
0.102	50	Sr								
0.05	50	Mo								
0.075	10	Ag	0.057	0.012	9.568	<50 x MDL	95.13			
0.05	50	Cd	0.149	0.028	46.492	<50 x MDL	92.70			
0.05	50	Sn								
0.05	50	Sb	0.118	0.027	46.489	<50 x MDL	92.75			
0.18	50	Ba	79.963	16.597	119.009	3.78	84.24			
0.05	50	Tl	0.231	0.055	44.341	<50 x MDL	88.24			
0.0954	50	Pb	12.222	2.533	56.571	3.62	89.64			

Instrument ID: ICPA1

Instrument model: ICP MS Analyzer

Linearity			
Element	Linear Range Mg/L	Element	Linear Range mg/L
Al	500	P	N/A
Sb	10	K	500
As	10	Se	10
Ba	10	Si	N/A
Be	10	Ag	10
Bi	N/A	Na	500
B	N/A	Sr	5
Cd	10	S	N/A
Ca	800	Te	N/A
Cr	10	Tl	10
Co	10	Sn	10
Cu	10	Ti	5
Fe	500	W	N/A
Pb	10	V	5
Mg	500	Zn	5
Mn	5	U	N/A
Mo	5	Pd	N/A
Ni	10	Au	N/A

Linearity: 06/03/03

Instrument ID: ICPMS-A1
Analyst Initials: YE
Instrument Method: A1 MS FULL 5.179 GW
Date: 4-24-07
Result Data Set: A070423B
Method/Test: 6020
Computer Clock Date/Time: 4-23-07/1700
SOP #: AUS-MT-0012

Routine Maintenance:	
Inspect Pump Tubing: ✓	Check Vacuum: ✓
Check Argon Flow: ✓	Check Coolant Flow: ✓
Mass Spec Tune: ✓	Daily Performance Check: ✓
CeO/Ce Ratio(<0.03): ✓	Ba^{++}/Ba^{+} Ratio (<0.03): ✓
Dual Detector Calibration: ✓	
Comments:	

Reagent Lot/ID:		Additional Standards:			
HNO_3	07MET0088	Internal Std.	07MET0186	Performance/Tuning Std.	07MET0184
		ICSA	MEICSA_00011		
		ICSAB	MEICSAB_00010		

Calibration Curve Standards:		Analytical Spike Information: (9.6 mL sample)		
Std. 1	MESTD1_00001	Spike #	Spike Standard ID	Volume
Std. 2	MESTD2_00001	1	07MET0188	100 µL
Std. 3	MESTD3_00001	2	07MET0189	100 µL
Std. 4	NA	3	07MET0190	100 µL
Std. 5		4	07MET0191	100 µL
Std. 6		5		100 µL
Std. 7		6		100 µL

Curve Verification Standards:		
ICV Std.	07MET0187	Sample ID: JTR30
CCV Std.	MECCV_00001	Sample ID: NA
LLCCV Std.		Sample ID:
		Sample ID:

Comments:

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Monday, April 23, 2007 13:41:54
Sample Description:
Method File:
Dataset File: c:\elandata\dataset\daily performance\Sample.1984
Tuning File: c:\elandata\Tuning\default_Fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	79029.2	79029.217	912.373	1.2
	Rh	102.9	356122.5	356122.473	6005.283	1.7
	In	114.9	419970.8	419970.846	5209.786	1.2
	Pb	208.0	242396.1	242396.114	3944.011	1.6
⌈>	Ba	137.9	360532.6	360532.613	3080.254	0.9
⌊	Ba++	69.0	6423.4	0.018	0.000	1.4
⌈>	Ce	139.9	441188.5	441188.486	5341.180	1.2
⌊	CeO	155.9	8553.7	0.019	0.000	2.2
	Bkgd	220.0	24.5	24.534	5.151	21.0
	Be	9.0	4074.2	4074.181	62.424	1.5
	Na	23.0	435056.5	435056.513	12342.939	2.8
	K	39.0	121677.4	121677.422	1873.995	1.5
	Fe	53.9	60496.9	60496.890	1031.116	1.7
	U	238.1	524941.1	524941.052	4259.547	0.8

Current Optimization File Data

Current Value	Description
0.91	Nebulizer Gas Flow
7.25	Lens Voltage
1400.00	ICP RF Power
-1950.00	Analog Stage Voltage
950.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	29	6.0	1851.8
Co	59	29	7.0	29979.8
In	115	29	7.8	302540.7

Quantitative Analysis Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.01593	0.00000	1.000000
Be	9.012	Linear Thru Zero	0.00319	0.00000	0.999998
Al	26.982	Linear Thru Zero	0.02766	0.00000	0.999990
Sc	44.956	Linear Thru Zero	0.00000	0.00000	0.000000
Ti	47.948	Linear Thru Zero	0.00087	0.00000	0.999987
Fe	53.940	Linear Thru Zero	0.00008	0.00000	0.999996
Mn	54.938	Linear Thru Zero	0.00176	0.00000	0.999908
Co	58.933	Linear Thru Zero	0.00140	0.00000	0.999912
Ni	59.933	Linear Thru Zero	0.00031	0.00000	0.999970
Cu	62.930	Linear Thru Zero	0.00070	0.00000	0.999922
Cu	64.928	Linear Thru Zero	0.00035	0.00000	0.999956
Zn	65.926	Linear Thru Zero	0.00021	0.00000	0.999757
Zn	66.927	Linear Thru Zero	0.00004	0.00000	0.999809
Zn	67.925	Linear Thru Zero	0.00015	0.00000	0.999746
As	74.922	Linear Thru Zero	0.00024	0.00000	1.000000
Se	76.920	Linear Thru Zero	0.00002	0.00000	0.999987
Se	81.917	Linear Thru Zero	0.00002	0.00000	0.999991
Y	88.905	Linear Thru Zero	0.00000	0.00000	0.000000
Ag	106.905	Linear Thru Zero	0.01131	0.00000	0.999968
Ag	108.905	Linear Thru Zero	0.01079	0.00000	0.999970
Cd	110.904	Linear Thru Zero	0.00271	0.00000	1.000000
Cd	113.904	Linear Thru Zero	0.00622	0.00000	0.999998
In	114.904	Linear Thru Zero	0.00000	0.00000	0.000000
Sb	120.904	Linear Thru Zero	0.00927	0.00000	0.999985
Sb	122.904	Linear Thru Zero	0.00721	0.00000	0.999998
Ba	136.905	Linear Thru Zero	0.00331	0.00000	1.000000
Ho	164.930	Linear Thru Zero	0.00000	0.00000	0.000000
Tl	204.975	Linear Thru Zero	0.02144	0.00000	0.999998
Pb	207.977	Linear Thru Zero	0.02921	0.00000	0.999991

Quantitative Analysis - Comprehensive Report

Sample ID: Blank
Sample Date/Time: Monday, April 23, 2007 17:10:45
Sample Description:
Solution Type: Blank
Blank File: c:\elandata\dataset\a070423b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070423B.sam
Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\Blank.001
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	99.00			ppb
	Be	9	27.00			ppb
	Al	27	16132.10			ppb
>	Sc	45	262988.63			ppb
	Ti	48	-963.73			ppb
	Fe	54	137313.29			ppb
	Mn	55	1421.07			ppb
	Co	59	52.00			ppb
	Ni	60	175.00			ppb
	Cu	63	716.02			ppb
	Cu	65	378.01			ppb
	Zn	66	782.02			ppb
	Zn	67	362.00			ppb
	Zn	68	345.00			ppb
	As	75	80.30			ppb
	Se	77	122.00			ppb
	Se	82	-9.17			ppb
>	Y	89	11146224.19			ppb
	Ag	107	218.00			ppb
	Ag	109	72.00			ppb
	Cd	111	4380.65			ppb
	Cd	114	28.64			ppb
>	In	115	1277217.51			ppb

	Sb	121	81.00			ppb
	Sb	123	91.73			ppb
	Ba	137	81.00			ppb
>	Ho	165	1705668.27			ppb
	Tl	205	51.00			ppb
	Pb	208	521.00			ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	98.00			ppb
	Be	9	12.00			ppb
	Al	27	14663.52			ppb
>	Sc	45	258720.75			ppb
	Ti	48	-1021.09			ppb
	Fe	54	138063.86			ppb
	Mn	55	1427.07			ppb
	Co	59	52.00			ppb
	Ni	60	174.00			ppb
	Cu	63	755.02			ppb
	Cu	65	383.01			ppb
	Zn	66	703.02			ppb
	Zn	67	334.00			ppb
	Zn	68	340.00			ppb
	As	75	231.06			ppb
	Se	77	104.00			ppb
	Se	82	15.83			ppb
>	Y	89	11037353.41			ppb
	Ag	107	212.00			ppb
	Ag	109	86.00			ppb
	Cd	111	4383.45			ppb
	Cd	114	25.49			ppb
>	In	115	1273111.63			ppb
	Sb	121	115.00			ppb
	Sb	123	73.36			ppb
	Ba	137	98.00			ppb
>	Ho	165	1675777.65			ppb
	Tl	205	40.00			ppb
	Pb	208	474.00			ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	101.00			ppb
	Be	9	13.00			ppb
	Al	27	14762.62			ppb
>	Sc	45	257935.75			ppb
	Ti	48	-953.77			ppb
	Fe	54	139630.01			ppb
	Mn	55	1450.07			ppb
	Co	59	70.00			ppb
	Ni	60	165.00			ppb
	Cu	63	733.02			ppb
	Cu	65	355.00			ppb

	Zn	66	742.02	ppb
	Zn	67	338.00	ppb
	Zn	68	358.00	ppb
	As	75	167.16	ppb
	Se	77	128.00	ppb
	Se	82	21.88	ppb
>	Y	89	11087376.84	ppb
	Ag	107	217.00	ppb
	Ag	109	103.00	ppb
	Cd	111	4435.74	ppb
	Cd	114	33.15	ppb
>	In	115	1259089.14	ppb
	Sb	121	97.00	ppb
	Sb	123	107.98	ppb
	Ba	137	96.00	ppb
>	Ho	165	1671852.19	ppb
	Tl	205	57.00	ppb
	Pb	208	457.00	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	99.33			ppb
	Be	9	17.33			ppb
	Al	27	15186.08			ppb
>	Sc	45	259881.71			ppb
	Ti	48	-979.53			ppb
	Fe	54	138335.72			ppb
	Mn	55	1432.74			ppb
	Co	59	58.00			ppb
	Ni	60	171.33			ppb
	Cu	63	734.69			ppb
	Cu	65	372.00			ppb
	Zn	66	742.35			ppb
	Zn	67	344.67			ppb
	Zn	68	347.67			ppb
	As	75	159.50			ppb
	Se	77	118.00			ppb
	Se	82	9.52			ppb
>	Y	89	11090318.15			ppb
	Ag	107	215.67			ppb
	Ag	109	87.00			ppb
	Cd	111	4399.94			ppb
	Cd	114	29.09			ppb
>	In	115	1269806.10			ppb
	Sb	121	97.67			ppb
	Sb	123	91.02			ppb
	Ba	137	91.67			ppb
>	Ho	165	1684432.70			ppb
	Tl	205	49.33			ppb

Pb	208	484.00	ppb

Relative Std. Dev.

Net Intens. RSD

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	1.528		
Be	9	8.387		
Al	27	820.775		
Sc	45	2719.148		
Ti	48	36.331		
Fe	54	1182.043		
Mn	55	15.309		
Co	59	10.392		
Ni	60	5.508		
Cu	63	19.554		
Cu	65	14.934		
Zn	66	39.503		
Zn	67	15.144		

	Zn	68	9.292
	As	75	75.670
	Se	77	12.490
	Se	82	16.460
>	Y	89	54494.953
	Ag	107	3.215
	Ag	109	15.524
	Cd	111	31.032
	Cd	114	3.847
>	In	115	9505.491
	Sb	121	17.010
	Sb	123	17.322
	Ba	137	9.292
>	Ho	165	18494.983
	Tl	205	8.622
	Pb	208	33.152

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 1
Sample Date/Time: Monday, April 23, 2007 17:15:47
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070423b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070423B.sam
Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\Standard 1.002
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4198.53	0.016	0.974437	ppb
	Be	9	757.02	0.003	0.879247	ppb
	Al	27	775240.24	2.879	104.061257	ppb
>	Sc	45	263946.04	263946.043		ppb
	Ti	48	8962.97	0.001	1.025514	ppb
	Fe	54	184901.31	0.004	48.705578	ppb
	Mn	55	22119.11	0.002	1.050240	ppb
	Co	59	16167.14	0.001	1.030984	ppb
	Ni	60	3551.44	0.000	0.988807	ppb
	Cu	63	8816.72	0.001	1.029783	ppb
	Cu	65	4354.66	0.000	1.030601	ppb
	Zn	66	13043.95	0.001	5.315371	ppb
	Zn	67	2220.17	0.000	4.751322	ppb
	Zn	68	9254.00	0.001	5.256516	ppb
	As	75	2744.07	0.000	0.974073	ppb
	Se	77	295.00	0.000	1.003744	ppb
	Se	82	218.84	0.000	0.897092	ppb
>	Y	89	11170222.39	11170222.392		ppb
	Ag	107	15749.68	0.012	1.089583	ppb
	Ag	109	15088.96	0.012	1.103192	ppb
	Cd	111	7828.21	0.003	1.012918	ppb
	Cd	114	7727.94	0.006	0.982096	ppb
>	In	115	1260841.52	1260841.523		ppb

	Sb	121	11981.02	0.009	1.016293	ppb
	Sb	123	9027.08	0.007	0.982991	ppb
	Ba	137	5591.09	0.003	0.984449	ppb
>	Ho	165	1687056.54	1687056.542		ppb
	Tl	205	37260.53	0.022	1.028951	ppb
	Pb	208	50840.52	0.030	1.021919	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4105.51	0.015	0.968313	ppb
	Be	9	822.02	0.003	0.972559	ppb
	Al	27	740300.10	2.792	100.937206	ppb
>	Sc	45	259691.12	259691.121		ppb
	Ti	48	8623.78	0.001	1.008313	ppb
	Fe	54	181596.53	0.004	49.051540	ppb
	Mn	55	22013.95	0.002	1.067241	ppb
	Co	59	16004.96	0.001	1.041071	ppb
	Ni	60	3698.48	0.000	1.053463	ppb
	Cu	63	9071.88	0.001	1.085427	ppb
	Cu	65	4487.70	0.000	1.088271	ppb
	Zn	66	13095.00	0.001	5.450543	ppb
	Zn	67	2196.17	0.000	4.801746	ppb
	Zn	68	9093.89	0.001	5.269269	ppb
	As	75	2659.45	0.000	0.962201	ppb
	Se	77	319.00	0.000	1.176823	ppb
	Se	82	216.76	0.000	0.906716	ppb
>	Y	89	10951403.54	10951403.544		ppb
	Ag	107	15949.90	0.013	1.116480	ppb
	Ag	109	14765.63	0.012	1.091892	ppb
	Cd	111	7859.69	0.003	1.048583	ppb
	Cd	114	7718.11	0.006	0.992155	ppb
>	In	115	1246517.19	1246517.189		ppb
	Sb	121	12051.08	0.010	1.034127	ppb
	Sb	123	9364.93	0.007	1.031990	ppb
	Ba	137	5717.14	0.003	1.008231	ppb
>	Ho	165	1685053.53	1685053.532		ppb
	Tl	205	37080.06	0.022	1.025180	ppb
	Pb	208	50924.51	0.030	1.024852	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4259.54	0.016	1.010616	ppb
	Be	9	815.02	0.003	0.968954	ppb
	Al	27	759726.18	2.881	104.162592	ppb
>	Sc	45	258417.33	258417.333		ppb
	Ti	48	9062.74	0.001	1.051702	ppb
	Fe	54	182323.78	0.004	49.268729	ppb
	Mn	55	21744.54	0.002	1.050020	ppb
	Co	59	16330.33	0.001	1.059224	ppb
	Ni	60	3626.46	0.000	1.028831	ppb
	Cu	63	9116.91	0.001	1.087849	ppb
	Cu	65	4503.71	0.000	1.089053	ppb

	Zn	66	12912.83	0.001	5.353734	ppb
	Zn	67	2264.18	0.000	4.960750	ppb
	Zn	68	9269.01	0.001	5.358551	ppb
	As	75	2838.33	0.000	1.027835	ppb
	Se	77	312.00	0.000	1.130886	ppb
	Se	82	222.88	0.000	0.930643	ppb
>	Y	89	10983212.15	10983212.153		ppb
	Ag	107	15928.88	0.012	1.099665	ppb
	Ag	109	14784.65	0.012	1.078395	ppb
	Cd	111	7767.41	0.003	0.990053	ppb
	Cd	114	7741.23	0.006	0.981593	ppb
>	In	115	1263653.66	1263653.664		ppb
	Sb	121	11935.98	0.009	1.010170	ppb
	Sb	123	9156.91	0.007	0.995030	ppb
	Ba	137	5692.13	0.003	1.007477	ppb
>	Ho	165	1678916.06	1678916.058		ppb
	Tl	205	36958.75	0.022	1.025562	ppb
	Pb	208	51145.97	0.030	1.033150	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	4187.86	0.016	0.984455	ppb
	Be	9	798.02	0.003	0.940253	ppb
	Al	27	758422.17	2.851	103.053685	ppb
>	Sc	45	260684.83	260684.832		ppb
	Ti	48	8883.16	0.001	1.028510	ppb
	Fe	54	182940.54	0.004	49.008615	ppb
	Mn	55	21959.20	0.002	1.055834	ppb
	Co	59	16167.48	0.001	1.043760	ppb
	Ni	60	3625.46	0.000	1.023700	ppb
	Cu	63	9001.84	0.001	1.067687	ppb
	Cu	65	4448.69	0.000	1.069308	ppb
	Zn	66	13017.26	0.001	5.373216	ppb
	Zn	67	2226.84	0.000	4.837939	ppb
	Zn	68	9205.63	0.001	5.294779	ppb
	As	75	2747.28	0.000	0.988036	ppb
	Se	77	308.67	0.000	1.103818	ppb
	Se	82	219.49	0.000	0.911483	ppb
>	Y	89	11034946.03	11034946.030		ppb
	Ag	107	15876.15	0.012	1.101909	ppb
	Ag	109	14879.75	0.012	1.091160	ppb
	Cd	111	7818.44	0.003	1.017185	ppb
	Cd	114	7729.09	0.006	0.985281	ppb
>	In	115	1257004.13	1257004.125		ppb
	Sb	121	11989.36	0.009	1.020197	ppb
	Sb	123	9182.98	0.007	1.003337	ppb
	Ba	137	5666.79	0.003	1.000052	ppb
>	Ho	165	1683675.38	1683675.378		ppb
	Tl	205	37099.78	0.022	1.026564	ppb

Pb	208	50970.34	0.030	1.026640	ppb

Relative Std. Dev.

Net Intens. RSD
2.322
5.622
1.779
1.111
2.124
0.580
0.936
1.371
3.188
3.077
3.135
1.296
2.259
1.050
3.540
8.123
1.895
1.071
1.233
1.138
2.900
0.605
0.731
1.220
2.545
1.352
0.252
0.202
0.567

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	77.565	0.000	0.023
Be	9	35.681	0.000	0.053
Al	27	17506.533	0.051	1.834
Sc	45	2895.213	2895.213	
Ti	48	230.105	0.000	0.022
Fe	54	1736.573	0.000	0.284
Mn	55	193.196	0.000	0.010
Co	59	162.684	0.000	0.014
Ni	60	73.524	0.000	0.033
Cu	63	161.888	0.000	0.033
Cu	65	81.824	0.000	0.034
Zn	66	93.970	0.000	0.070
Zn	67	34.492	0.000	0.109

	Zn	68	97.059	0.000	0.056
	As	75	89.485	0.000	0.035
	Se	77	12.343	0.000	0.090
	Se	82	3.110	0.000	0.017
>	Y	89	118227.398	118227.398	
	Ag	107	110.033	0.000	0.014
	Ag	109	181.438	0.000	0.012
	Cd	111	46.913	0.000	0.029
	Cd	114	11.603	0.000	0.006
>	In	115	9190.153	9190.153	
	Sb	121	58.000	0.000	0.012
	Sb	123	170.424	0.000	0.026
	Ba	137	66.737	0.000	0.014
>	Ho	165	4241.621	4241.621	
	Tl	205	151.854	0.000	0.002
	Pb	208	157.797	0.000	0.006

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 2 — ICB
Sample Date/Time: Monday, April 23, 2007 17:20:51
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070423b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070423B.sam
Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\Standard 2.003
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	83623.65	0.309	19.412679	ppb
	Be	9	16634.68	0.062	19.312548	ppb
	Al	27	14304201.00	52.911	1912.660314	ppb
>	Sc	45	270048.52	270048.518		ppb
	Ti	48	196059.51	0.018	20.550844	ppb
	Fe	54	236833.45	0.009	107.231878	ppb
	Mn	55	419891.43	0.038	21.509503	ppb
	Co	59	333859.11	0.030	21.618656	ppb
	Ni	60	70391.00	0.006	20.794729	ppb
	Cu	63	167256.42	0.015	21.485192	ppb
	Cu	65	80893.38	0.007	21.099883	ppb
	Zn	66	51569.91	0.005	22.235122	ppb
	Zn	67	8898.77	0.001	21.962315	ppb
	Zn	68	37541.26	0.003	22.220735	ppb
	As	75	52599.61	0.005	20.008587	ppb
	Se	77	3599.45	0.000	20.077685	ppb
	Se	82	4565.71	0.000	19.765376	ppb
>	Y	89	11038551.19	11038551.194		ppb
	Ag	107	297165.95	0.231	20.446900	ppb
	Ag	109	286052.52	0.223	20.644789	ppb
	Cd	111	72898.95	0.053	19.677187	ppb
	Cd	114	160055.84	0.125	20.041093	ppb
>	In	115	1284243.10	1284243.104		ppb

	Sb	121	240978.47	0.188	20.224051	ppb
	Sb	123	182343.36	0.142	19.681409	ppb
	Ba	137	112653.43	0.066	20.021609	ppb
>	Ho	165	1697875.81	1697875.810		ppb
	Tl	205	730161.79	0.430	20.060203	ppb
	Pb	208	1007420.61	0.593	20.304455	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	84045.66	0.328	20.598816	ppb
	Be	9	16516.54	0.065	20.244437	ppb
	Al	27	14286356.71	55.791	2016.788005	ppb
>	Sc	45	255800.87	255800.871		ppb
	Ti	48	194794.42	0.018	20.471627	ppb
	Fe	54	233019.47	0.009	103.760890	ppb
	Mn	55	416916.17	0.038	21.412194	ppb
	Co	59	329496.56	0.030	21.391503	ppb
	Ni	60	70519.63	0.006	20.887024	ppb
	Cu	63	164705.03	0.015	21.211166	ppb
	Cu	65	79946.07	0.007	20.906027	ppb
	Zn	66	51425.39	0.005	22.230291	ppb
	Zn	67	8927.79	0.001	22.096287	ppb
	Zn	68	37722.74	0.003	22.387643	ppb
	As	75	51869.01	0.005	19.781195	ppb
	Se	77	3581.45	0.000	20.027469	ppb
	Se	82	4525.59	0.000	19.642296	ppb
>	Y	89	11009974.48	11009974.476		ppb
	Ag	107	299645.95	0.238	21.063461	ppb
	Ag	109	283318.85	0.225	20.889366	ppb
	Cd	111	72851.85	0.054	20.116144	ppb
	Cd	114	159449.63	0.127	20.396626	ppb
>	In	115	1257082.22	1257082.219		ppb
	Sb	121	243687.85	0.194	20.893590	ppb
	Sb	123	186312.07	0.148	20.544710	ppb
	Ba	137	112494.19	0.067	20.250018	ppb
>	Ho	165	1676367.17	1676367.171		ppb
	Tl	205	729534.95	0.435	20.300159	ppb
	Pb	208	1006873.74	0.600	20.553928	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	84893.39	0.321	20.124353	ppb
	Be	9	16706.76	0.063	19.806235	ppb
	Al	27	14189851.87	53.596	1937.452114	ppb
>	Sc	45	264465.52	264465.519		ppb
	Ti	48	196462.69	0.018	20.493338	ppb
	Fe	54	236987.59	0.009	106.153244	ppb
	Mn	55	414849.29	0.037	21.146730	ppb
	Co	59	325486.18	0.029	20.973964	ppb
	Ni	60	70188.00	0.006	20.633629	ppb
	Cu	63	164594.77	0.015	21.038608	ppb
	Cu	65	80123.06	0.007	20.796026	ppb

	Zn	66	51422.38	0.005	22.061300	ppb
	Zn	67	8877.76	0.001	21.797654	ppb
	Zn	68	37510.18	0.003	22.093292	ppb
	As	75	52803.41	0.005	19.988460	ppb
	Se	77	3582.45	0.000	19.879274	ppb
	Se	82	4490.69	0.000	19.345296	ppb
>	Y	89	11092444.39	11092444.390		ppb
	Ag	107	297573.30	0.236	20.860262	ppb
	Ag	109	282564.12	0.224	20.776558	ppb
	Cd	111	72757.01	0.054	20.029701	ppb
	Cd	114	157734.66	0.125	20.121873	ppb
>	In	115	1260538.68	1260538.683		ppb
	Sb	121	240331.71	0.191	20.549198	ppb
	Sb	123	184974.99	0.147	20.341240	ppb
	Ba	137	110993.52	0.066	19.905858	ppb
>	Ho	165	1682577.61	1682577.613		ppb
	Tl	205	730449.97	0.434	20.250595	ppb
	Pb	208	1003617.53	0.596	20.411770	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	84187.57	0.319	20.045282	ppb
	Be	9	16619.33	0.063	19.787740	ppb
	Al	27	14260136.53	54.099	1955.633478	ppb
>	Sc	45	263438.30	263438.303		ppb
	Ti	48	195772.20	0.018	20.505270	ppb
	Fe	54	235613.50	0.009	105.715337	ppb
	Mn	55	417218.97	0.038	21.356143	ppb
	Co	59	329613.95	0.030	21.328041	ppb
	Ni	60	70366.21	0.006	20.771794	ppb
	Cu	63	165518.74	0.015	21.244989	ppb
	Cu	65	80320.84	0.007	20.933979	ppb
	Zn	66	51472.56	0.005	22.175571	ppb
	Zn	67	8901.44	0.001	21.952086	ppb
	Zn	68	37591.39	0.003	22.233890	ppb
	As	75	52424.01	0.005	19.926081	ppb
	Se	77	3587.78	0.000	19.994809	ppb
	Se	82	4527.33	0.000	19.584322	ppb
>	Y	89	11046990.02	11046990.020		ppb
	Ag	107	298128.40	0.235	20.790208	ppb
	Ag	109	283978.50	0.224	20.770238	ppb
	Cd	111	72835.93	0.054	19.941011	ppb
	Cd	114	159080.04	0.126	20.186531	ppb
>	In	115	1267288.00	1267288.002		ppb
	Sb	121	241666.01	0.191	20.555613	ppb
	Sb	123	184543.47	0.146	20.189120	ppb
	Ba	137	112047.05	0.066	20.059162	ppb
>	Ho	165	1685606.86	1685606.865		ppb
	Tl	205	730048.90	0.433	20.203652	ppb

Pb	208	1005970.63	0.597	20.423384	ppb

Relative Std. Dev.

Net Intens. RSD
2.978
2.356
2.781
2.725
0.200
1.680
0.879
1.533
0.617
1.060
0.735
0.446
0.681
0.664
0.632
0.516
1.103
0.379
1.511
0.589
1.166
0.923
1.167
1.629
2.235
0.873
0.657
0.627
0.613

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	646.655	0.010	0.597
Be	9	96.035	0.001	0.466
Al	27	61518.727	1.505	54.393
Sc	45	7179.154	7179.154	
Ti	48	870.455	0.000	0.041
Fe	54	2247.823	0.000	1.776
Mn	55	2534.673	0.000	0.188
Co	59	4187.699	0.000	0.327
Ni	60	167.197	0.000	0.128
Cu	63	1505.883	0.000	0.225
Cu	65	503.673	0.000	0.154
Zn	66	84.321	0.000	0.099
Zn	67	25.122	0.000	0.150

	Zn	68	114.805	0.000	0.148
	As	75	491.328	0.000	0.126
	Se	77	10.119	0.000	0.103
	Se	82	37.539	0.000	0.216
>	Y	89	41877.584	41877.584	
	Ag	107	1329.927	0.004	0.314
	Ag	109	1835.372	0.001	0.122
	Cd	111	72.295	0.001	0.233
	Cd	114	1203.913	0.001	0.186
>	In	115	14784.904	14784.904	
	Sb	121	1780.577	0.003	0.335
	Sb	123	2019.238	0.003	0.451
	Ba	137	915.851	0.001	0.175
>	Ho	165	11069.673	11069.673	
	Tl	205	467.840	0.003	0.127
	Pb	208	2056.104	0.004	0.125

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 3 -LLCk (TRRP only)
Sample Date/Time: Monday, April 23, 2007 17:25:55
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070423b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070423B.sam
Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\Standard 3.004
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	415033.06	1.561	97.974051	ppb
	Be	9	83753.80	0.315	98.866728	ppb
	Al	27	72474035.71	272.577	9853.373407	ppb
>	Sc	45	265827.45	265827.449		ppb
	Ti	48	953008.66	0.086	98.908487	ppb
	Fe	54	1956795.36	0.164	1954.893168	ppb
	Mn	55	1923767.49	0.173	98.220460	ppb
	Co	59	1535319.99	0.138	98.838366	ppb
	Ni	60	335778.31	0.030	98.792233	ppb
	Cu	63	776677.22	0.070	99.515546	ppb
	Cu	65	382560.66	0.034	99.549536	ppb
	Zn	66	229875.74	0.021	99.632196	ppb
	Zn	67	39240.82	0.004	99.249028	ppb
	Zn	68	166882.08	0.015	98.895532	ppb
	As	75	263555.50	0.024	99.898293	ppb
	Se	77	17630.87	0.002	100.378454	ppb
	Se	82	23248.86	0.002	100.213210	ppb
>	Y	89	11104769.52	11104769.517		ppb
	Ag	107	1416453.00	1.140	100.804369	ppb
	Ag	109	1359104.03	1.094	101.418774	ppb
	Cd	111	346553.16	0.275	101.702557	ppb
	Cd	114	782137.71	0.630	101.249227	ppb
>	In	115	1242374.89	1242374.890		ppb

	Sb	121	1151437.68	0.927	99.923339	ppb
	Sb	123	901656.53	0.726	100.641793	ppb
	Ba	137	550585.46	0.328	99.182357	ppb
>	Ho	165	1676236.04	1676236.040		ppb
	Tl	205	3551210.67	2.119	98.829585	ppb
	Pb	208	4832434.97	2.883	98.692544	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	425829.70	1.616	101.413083	ppb
	Be	9	84393.55	0.320	100.503790	ppb
	Al	27	73798883.16	280.018	10122.337403	ppb
>	Sc	45	263495.85	263495.846		ppb
	Ti	48	962985.60	0.087	100.529627	ppb
	Fe	54	1960315.10	0.165	1971.063226	ppb
	Mn	55	1958383.65	0.177	100.577196	ppb
	Co	59	1544003.28	0.140	99.981543	ppb
	Ni	60	340592.28	0.031	100.798519	ppb
	Cu	63	778457.30	0.070	100.330568	ppb
	Cu	65	384721.55	0.035	100.701294	ppb
	Zn	66	229852.37	0.021	100.209388	ppb
	Zn	67	39458.42	0.004	100.395967	ppb
	Zn	68	167211.90	0.015	99.674947	ppb
	As	75	263638.15	0.024	100.517258	ppb
	Se	77	17398.59	0.002	99.633114	ppb
	Se	82	23292.01	0.002	100.989551	ppb
>	Y	89	11039890.73	11039890.728		ppb
	Ag	107	1427969.24	1.130	99.930014	ppb
	Ag	109	1348106.64	1.067	98.921271	ppb
	Cd	111	343269.43	0.268	99.026596	ppb
	Cd	114	783397.58	0.620	99.721993	ppb
>	In	115	1263432.93	1263432.930		ppb
	Sb	121	1165703.92	0.923	99.475256	ppb
	Sb	123	904736.27	0.716	99.302258	ppb
	Ba	137	556739.20	0.334	100.993401	ppb
>	Ho	165	1664581.07	1664581.074		ppb
	Tl	205	3595078.61	2.160	100.750976	ppb
	Pb	208	4930501.90	2.962	101.400672	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	424750.21	1.603	100.586163	ppb
	Be	9	85086.64	0.321	100.758630	ppb
	Al	27	73692545.76	278.039	10050.817493	ppb
>	Sc	45	264988.07	264988.069		ppb
	Ti	48	966295.58	0.087	100.257869	ppb
	Fe	54	2067472.73	0.174	2073.260659	ppb
	Mn	55	1966723.24	0.177	100.386983	ppb
	Co	59	1559735.49	0.140	100.381953	ppb
	Ni	60	339791.55	0.031	99.945460	ppb
	Cu	63	776032.57	0.070	99.404863	ppb
	Cu	65	381274.97	0.034	99.186704	ppb

Zn	66	228019.34	0.020	98.797092	ppb
Zn	67	39235.81	0.004	99.208063	ppb
Zn	68	168865.18	0.015	100.044971	ppb
As	75	262919.88	0.024	99.629160	ppb
Se	77	17557.78	0.002	99.931203	ppb
Se	82	22985.42	0.002	99.049301	ppb
> Y	89	11107895.10	11107895.096		ppb
Ag	107	1422116.34	1.117	98.788435	ppb
Ag	109	1361852.17	1.070	99.195078	ppb
Cd	111	346774.66	0.269	99.305724	ppb
Cd	114	782832.84	0.615	98.917303	ppb
> In	115	1272792.34	1272792.342		ppb
Sb	121	1183690.47	0.930	100.267431	ppb
Sb	123	917313.18	0.721	99.942377	ppb
Ba	137	555436.95	0.330	99.788744	ppb
> Ho	165	1680732.15	1680732.150		ppb
Tl	205	3613585.01	2.150	100.296451	ppb
Pb	208	4892495.29	2.911	99.651955	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	421870.99	1.593	99.991099	ppb
	Be	9	84411.33	0.319	100.043050	ppb
	Al	27	73321821.54	276.878	10008.842768	ppb
>	Sc	45	264770.45	264770.455		ppb
	Ti	48	960763.28	0.087	99.898661	ppb
	Fe	54	1994861.06	0.167	1999.739018	ppb
	Mn	55	1949624.79	0.176	99.728213	ppb
	Co	59	1546352.92	0.140	99.733954	ppb
	Ni	60	338720.71	0.031	99.845404	ppb
	Cu	63	777055.70	0.070	99.750325	ppb
	Cu	65	382852.39	0.035	99.812511	ppb
	Zn	66	229249.15	0.021	99.546225	ppb
	Zn	67	39311.68	0.004	99.617686	ppb
	Zn	68	167653.05	0.015	99.538483	ppb
	As	75	263371.18	0.024	100.014904	ppb
	Se	77	17529.08	0.002	99.980924	ppb
	Se	82	23175.43	0.002	100.084021	ppb
>	Y	89	11084185.11	11084185.114		ppb
	Ag	107	1422179.52	1.129	99.840939	ppb
	Ag	109	1356354.28	1.077	99.845041	ppb
	Cd	111	345532.42	0.271	100.011626	ppb
	Cd	114	782789.38	0.622	99.962841	ppb
>	In	115	1259533.39	1259533.387		ppb
	Sb	121	1166944.03	0.926	99.888675	ppb
	Sb	123	907901.99	0.721	99.962143	ppb
	Ba	137	554253.87	0.331	99.988167	ppb
>	Ho	165	1673849.75	1673849.755		ppb
	Tl	205	3586624.76	2.143	99.959004	ppb

Pb	208	4885144.06	2.918	99.915057	ppb

Relative Std. Dev.

Net Intens. RSD
1.795
1.026
1.392
0.446
0.869
3.210
1.313
0.803
1.008
0.507
0.792
0.713
0.677
0.589
0.455
0.375
0.976
0.346
1.013
1.372
1.471
1.185
1.237
0.398
0.670
0.922
0.498
1.005
1.374

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	5946.369	0.029	1.795
Be	9	666.599	0.003	1.027
Al	27	736126.708	3.854	139.308
Sc	45	1180.936	1180.936	
Ti	48	6916.616	0.001	0.868
Fe	54	62908.167	0.005	64.183
Mn	55	22778.004	0.002	1.309
Co	59	12376.178	0.001	0.801
Ni	60	2579.455	0.000	1.007
Cu	63	1255.889	0.000	0.506
Cu	65	1741.710	0.000	0.791
Zn	66	1065.109	0.000	0.710
Zn	67	127.102	0.000	0.674

	Zn	68	1062.606	0.000	0.587
	As	75	393.016	0.000	0.455
	Se	77	118.772	0.000	0.375
	Se	82	165.963	0.000	0.977
>	Y	89	38391.884	38391.884	
	Ag	107	5758.380	0.011	1.011
	Ag	109	7273.636	0.015	1.370
	Cd	111	1962.931	0.004	1.471
	Cd	114	631.059	0.007	1.184
>	In	115	15579.158	15579.158	
	Sb	121	16162.117	0.004	0.397
	Sb	123	8294.514	0.005	0.670
	Ba	137	3242.975	0.003	0.922
>	Ho	165	8335.772	8335.772	
	Tl	205	32034.985	0.022	1.004
	Pb	208	49445.033	0.040	1.373

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Monday, April 23, 2007 17:05:01
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423a\Blank.029

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	101.334				ppb
	Be	9	13.333				ppb
	Al	27	15705.371				ppb
>	Sc	45	261553.351				ppb
	Ti	48	-1023.077				ppb
	Fe	54	137642.492				ppb
	Mn	55	1454.407				ppb
	Co	59	58.333				ppb
	Ni	60	184.335				ppb
	Cu	63	787.688				ppb
	Cu	65	394.339				ppb
	Zn	66	790.689				ppb
	Zn	67	372.005				ppb
	Zn	68	374.338				ppb
	As	75	172.872				ppb
	Se	77	115.667				ppb
	Se	82	-11.558				ppb
>	Y	89	10945168.924				ppb
	Ag	107	230.002				ppb
	Ag	109	78.667				ppb
	Cd	111	4437.662				ppb
	Cd	114	34.125				ppb
>	In	115	1257232.367				ppb
	Sb	121	104.334				ppb
	Sb	123	96.564				ppb
	Ba	137	80.667				ppb
>	Ho	165	1677882.947				ppb
	Tl	205	43.333				ppb
	Pb	208	480.670				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					
Ba	137					
Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Monday, April 23, 2007 17:10:45
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	99.334				ppb
	Be	9	17.333				ppb
	Al	27	15186.083				ppb
>	Sc	45	259881.708				ppb
	Ti	48	-979.532				ppb
	Fe	54	138335.719				ppb
	Mn	55	1432.739				ppb
	Co	59	58.000				ppb
	Ni	60	171.334				ppb
	Cu	63	734.686				ppb
	Cu	65	372.005				ppb
	Zn	66	742.353				ppb
	Zn	67	344.671				ppb
	Zn	68	347.671				ppb
	As	75	159.505				ppb
	Se	77	118.000				ppb
	Se	82	9.515				ppb
>	Y	89	11090318.146				ppb
	Ag	107	215.668				ppb
	Ag	109	87.000				ppb
	Cd	111	4399.945				ppb
	Cd	114	29.092				ppb
>	In	115	1269806.096				ppb
	Sb	121	97.667				ppb
	Sb	123	91.023				ppb
	Ba	137	91.667				ppb
>	Ho	165	1684432.704				ppb
	Tl	205	49.333				ppb
	Pb	208	484.003				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					
Ba	137					
Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 1 - ICV
Sample Date/Time: Monday, April 23, 2007 17:15:47
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	4187.862	1.000	0.02	2.3	ppb
	Be	9	798.022	1.000	0.06	5.6	ppb
	Al	27	758422.173	100.000	1.78	1.8	ppb
>	Sc	45	260684.832				ppb
	Ti	48	8883.164	1.000	0.02	2.1	ppb
	Fe	54	182940.541	50.000	0.29	0.6	ppb
	Mn	55	21959.198	1.000	0.01	0.9	ppb
	Co	59	16167.477	1.000	0.01	1.4	ppb
	Ni	60	3625.460	1.000	0.03	3.2	ppb
	Cu	63	9001.836	1.000	0.03	3.1	ppb
	Cu	65	4448.693	1.000	0.03	3.1	ppb
	Zn	66	13017.262	5.000	0.06	1.3	ppb
	Zn	67	2226.840	5.000	0.11	2.3	ppb
	Zn	68	9205.632	5.000	0.05	1.0	ppb
	As	75	2747.282	1.000	0.04	3.5	ppb
	Se	77	308.670	1.000	0.08	8.1	ppb
	Se	82	219.493	1.000	0.02	1.9	ppb
>	Y	89	11034946.030				ppb
	Ag	107	15876.151	1.000	0.01	1.2	ppb
	Ag	109	14879.746	1.000	0.01	1.1	ppb
	Cd	111	7818.436	1.000	0.03	2.9	ppb
	Cd	114	7729.093	1.000	0.01	0.6	ppb
>	In	115	1257004.125				ppb
	Sb	121	11989.362	1.000	0.01	1.2	ppb
	Sb	123	9182.976	1.000	0.03	2.5	ppb
	Ba	137	5666.790	1.000	0.01	1.4	ppb
>	Ho	165	1683675.378				ppb
	Tl	205	37099.779	1.000	0.00	0.2	ppb
	Pb	208	50970.335	1.000	0.01	0.6	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115					
Sb	121					
Sb	123					
Ba	137					
> Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Instrument ID: ICPMS-A1 XE 4/24/07

Dataset Report

User Name: EscobarX
Computer Name: AUSF5PSP11
Dataset File Path: c:\elandata\dataset\a070423b\
Report Date/Time: Tuesday, April 24, 2007 10:33:07

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
—	Blank	17:10:45 Mon 23-Apr-07	Blank	Blank.001	
—	Standard 1	17:15:47 Mon 23-Apr-07	Standard #1	Standard 1.002	
—	Standard 2	17:20:51 Mon 23-Apr-07	Standard #2	Standard 2.003	
—	Standard 3	17:25:55 Mon 23-Apr-07	Standard #3	Standard 3.004	
	QC Std 1	17:30:58 Mon 23-Apr-07	QC Std #1	QC Std 1.005	
	QC Std 2	17:36:00 Mon 23-Apr-07	QC Std #2	QC Std 2.006	
—	QC Std 4	17:41:02 Mon 23-Apr-07	QC Std #4	QC Std 4.007	
—	QC Std 5	17:46:04 Mon 23-Apr-07	QC Std #5	QC Std 5.008	
—	QC Std 6	17:51:07 Mon 23-Apr-07	QC Std #6	QC Std 6.009	
—	QC Std 7	17:56:09 Mon 23-Apr-07	QC Std #7	QC Std 7.010	
—	JT8C0B	18:01:11 Mon 23-Apr-07	Sample	JT8C0B.011	7109235
—	JT8C0C	18:06:15 Mon 23-Apr-07	Sample	JT8C0C.012	7109235
—	JTR30 PARENT	18:11:18 Mon 23-Apr-07	Sample	JTR30.013	7109235 10X
—	SD5X	18:16:21 Mon 23-Apr-07	Sample	SD5X.014	7109235 10X
—	AS1.04X	18:21:24 Mon 23-Apr-07	Sample	AS1.04X.015	7109235 10X
—	JTR30S	18:26:28 Mon 23-Apr-07	Sample	JTR30S.016	7109235 10X
—	JTR30D	18:31:31 Mon 23-Apr-07	Sample	JTR30D.017	7109235 10X
—	JTR39	18:36:34 Mon 23-Apr-07	Sample	JTR39.018	7109235 10X
—	JTR4C	18:41:38 Mon 23-Apr-07	Sample	JTR4C.019	7109235 10X
—	JTR4F	18:46:42 Mon 23-Apr-07	Sample	JTR4F.020	7109235 10X
—	QC Std 6	18:51:45 Mon 23-Apr-07	QC Std #6	QC Std 6.021	
—	QC Std 7	18:56:47 Mon 23-Apr-07	QC Std #7	QC Std 7.022	
—	JTR4J	19:01:50 Mon 23-Apr-07	Sample	JTR4J.023	7109235 10X
—	QC Std 6	19:06:54 Mon 23-Apr-07	QC Std #6	QC Std 6.024	
—	QC Std 7	19:11:56 Mon 23-Apr-07	QC Std #7	QC Std 7.025	

XE 4/24/07

Quantitative Analysis - Summary Report

Sample ID: Standard 2 — ICB

Sample Date/Time: Monday, April 23, 2007 17:20:51

Dilution Factor:

Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth

Dataset File: c:\elandata\dataset\a070423b\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	84187.565	**20.001**	0.60	3.0	ppb
	Be	9	16619.328	**20.002**	0.47	2.4	ppb
	Al	27	14260136.525	**1999.731**	55.62	2.8	ppb
>	Sc	45	263438.303				ppb
	Ti	48	195772.204	**20.000**	0.04	0.2	ppb
	Fe	54	235613.503	**101.478**	1.71	1.7	ppb
	Mn	55	417218.965	**20.001**	0.18	0.9	ppb
	Co	59	329613.948	**20.001**	0.31	1.5	ppb
	Ni	60	70366.207	**20.001**	0.12	0.6	ppb
	Cu	63	165518.738	**20.000**	0.21	1.1	ppb
	Cu	65	80320.840	**19.999**	0.15	0.7	ppb
	Zn	66	51472.563	**20.036**	0.09	0.4	ppb
	Zn	67	8901.439	**20.140**	0.14	0.7	ppb
	Zn	68	37591.394	**20.056**	0.13	0.7	ppb
	As	75	52424.007	**20.000**	0.13	0.6	ppb
	Se	77	3587.784	**19.995**	0.10	0.5	ppb
	Se	82	4527.330	**20.003**	0.22	1.1	ppb
>	Y	89	11046990.020				ppb
	Ag	107	298128.401	**19.997**	0.30	1.5	ppb
	Ag	109	283978.498	**19.997**	0.12	0.6	ppb
	Cd	111	72835.934	**19.999**	0.23	1.2	ppb
	Cd	114	159080.043	**20.001**	0.18	0.9	ppb
>	In	115	1267288.002				ppb
	Sb	121	241666.014	**20.000**	0.33	1.6	ppb
	Sb	123	184543.475	**20.000**	0.45	2.2	ppb
	Ba	137	112047.045	**20.000**	0.17	0.9	ppb
>	Ho	165	1685606.865				ppb
	Tl	205	730048.904	**19.999**	0.13	0.6	ppb
	Pb	208	1005970.630	**20.000**	0.12	0.6	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					
Ba	137					
Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 3 - LLCk (TRRPonly)

Sample Date/Time: Monday, April 23, 2007 17:25:55

Dilution Factor:

Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth

Dataset File: c:\elandata\dataset\a070423b\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	421870.989	**99.991**	1.80	1.8	ppb
	Be	9	84411.327	**100.043**	1.03	1.0	ppb
	Al	27	73321821.543	**10008.843**	139.31	1.4	ppb
>	Sc	45	264770.455				ppb
	Ti	48	960763.278	**99.899**	0.87	0.9	ppb
	Fe	54	1994861.061	**1999.739**	64.18	3.2	ppb
	Mn	55	1949624.795	**99.728**	1.31	1.3	ppb
	Co	59	1546352.920	**99.734**	0.80	0.8	ppb
	Ni	60	338720.712	**99.845**	1.01	1.0	ppb
	Cu	63	777055.695	**99.750**	0.51	0.5	ppb
	Cu	65	382852.392	**99.813**	0.79	0.8	ppb
	Zn	66	229249.149	**99.546**	0.71	0.7	ppb
	Zn	67	39311.682	**99.618**	0.67	0.7	ppb
	Zn	68	167653.051	**99.538**	0.59	0.6	ppb
	As	75	263371.179	**100.015**	0.46	0.5	ppb
	Se	77	17529.081	**99.981**	0.38	0.4	ppb
	Se	82	23175.432	**100.084**	0.98	1.0	ppb
>	Y	89	11084185.114				ppb
	Ag	107	1422179.523	**99.841**	1.01	1.0	ppb
	Ag	109	1356354.281	**99.845**	1.37	1.4	ppb
	Cd	111	345532.416	**100.012**	1.47	1.5	ppb
	Cd	114	782789.379	**99.963**	1.18	1.2	ppb
>	In	115	1259533.387				ppb
	Sb	121	1166944.025	**99.889**	0.40	0.4	ppb
	Sb	123	907901.992	**99.962**	0.67	0.7	ppb
	Ba	137	554253.866	**99.988**	0.92	0.9	ppb
>	Ho	165	1673849.755				ppb
	Tl	205	3586624.763	**99.959**	1.00	1.0	ppb
	Pb	208	4885144.058	**99.915**	1.37	1.4	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89					
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165					
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 4 - ICS A
Sample Date/Time: Monday, April 23, 2007 17:41:02
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\QC Std 4.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	655.679	**0.154**	0.02	10.4	ppb
	Be	9	26.333	**0.015**	0.01	35.3	ppb
	Al	27	294533108.919	**46084.583**	293.92	0.6	ppb
>	Sc	45	231022.699				ppb
	Ti	48	9646821.297	**1054.744**	18.31	1.7	ppb
	Fe	54	103420881.217	**117096.461**	1383.98	1.2	ppb
	Mn	55	7098.098	**0.309**	0.01	4.7	ppb
	Co	59	4841.822	**0.325**	0.02	5.0	ppb
	Ni	60	6217.020	**1.879**	0.06	3.0	ppb
	Cu	63	18039.389	**2.345**	0.07	2.8	ppb
	Cu	65	6443.119	**1.673**	0.03	2.0	ppb
	Zn	66	6099.969	**2.474**	0.05	2.0	ppb
	Zn	67	2044.813	**4.621**	0.07	1.5	ppb
	Zn	68	1771.110	**0.902**	0.03	2.9	ppb
	As	75	627.300	**0.190**	0.03	16.1	ppb
	Se	77	1804.447	**10.229**	0.41	4.0	ppb
	Se	82	-34.317	**-0.197**	0.11	53.8	ppb
>	Y	89	10531886.170				ppb
	Ag	107	2178.833	**0.150**	0.01	4.0	ppb
	Ag	109	1866.455	**0.142**	0.01	6.0	ppb
	Cd	111	5393.151	**0.428**	0.02	4.5	ppb
	Cd	114	9855.050	**1.355**	0.02	1.1	ppb
>	In	115	1166281.182				ppb
	Sb	121	809.023	**0.066**	0.01	13.2	ppb
	Sb	123	604.565	**0.062**	0.01	11.3	ppb
	Ba	137	2533.891	**0.472**	0.01	1.1	ppb
>	Ho	165	1567626.762				ppb
	Tl	205	784.022	**0.022**	0.00	6.9	ppb
	Pb	208	11780.235	**0.247**	0.00	1.3	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	92.2				
> Sc	45		88.9			
Ti	48					
Fe	54	93.7				
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		95.0			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		91.8			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		93.1			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 4	6Li	Q
QC Std 4	9Be	Q
QC Std 4	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 5 – ICSAB

Sample Date/Time: Monday, April 23, 2007 17:46:04

Dilution Factor:

Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth

Dataset File: c:\elandata\dataset\a070423b\QC Std 5.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	490.007	**0.109**	0.00	3.9	ppb
	Be	9	23.000	**0.010**	0.00	39.6	ppb
	Al	27	294929810.539	**46280.777**	730.32	1.6	ppb
>	Sc	45	230375.861				ppb
	Ti	48	9665751.787	**1055.670**	20.46	1.9	ppb
	Fe	54	104823914.284	**118559.605**	1281.43	1.1	ppb
	Mn	55	724300.590	**38.907**	0.21	0.5	ppb
	Co	59	545713.593	**37.001**	0.29	0.8	ppb
	Ni	60	120477.250	**37.306**	0.60	1.6	ppb
	Cu	63	286432.737	**38.599**	0.38	1.0	ppb
	Cu	65	135083.351	**36.963**	0.24	0.6	ppb
	Zn	66	46075.858	**20.779**	0.17	0.8	ppb
	Zn	67	9212.303	**23.880**	0.46	1.9	ppb
	Zn	68	29793.370	**18.430**	0.26	1.4	ppb
	As	75	47923.225	**19.085**	0.24	1.3	ppb
	Se	77	5045.224	**29.781**	0.35	1.2	ppb
	Se	82	4131.780	**18.726**	0.17	0.9	ppb
>	Y	89	10543181.250				ppb
	Ag	107	129644.649	**9.855**	0.11	1.1	ppb
	Ag	109	123709.676	**9.868**	0.02	0.2	ppb
	Cd	111	66154.275	**19.748**	0.10	0.5	ppb
	Cd	114	152675.994	**21.137**	0.07	0.3	ppb
>	In	115	1161519.660				ppb
	Sb	121	609.680	**0.048**	0.00	9.9	ppb
	Sb	123	451.347	**0.044**	0.00	2.2	ppb
	Ba	137	2910.297	**0.544**	0.01	1.9	ppb
>	Ho	165	1567020.981				ppb
	Tl	205	747.020	**0.021**	0.00	1.5	ppb
	Pb	208	11929.619	**0.251**	0.00	1.2	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	92.6				
> Sc	45		88.6			
Ti	48					
Fe	54	94.8				
Mn	55	97.3				
Co	59	92.5				
Ni	60	93.3				
Cu	63	96.5				
Cu	65	92.4				
Zn	66	103.9				
Zn	67	119.4				
Zn	68	92.1				
As	75	95.4				
Se	77	148.9				
Se	82	93.6				
> Y	89		95.1			
Ag	107	98.6				
Ag	109	98.7				
Cd	111	98.7				
Cd	114	105.7				
> In	115		91.5			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		93.0			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 5	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 6 - CCV

Sample Date/Time: Monday, April 23, 2007 17:51:07

Dilution Factor:

Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth

Dataset File: c:\elandata\dataset\a070423b\QC Std 6.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	206672.761	**49.818**	0.60	1.2	ppb
	Be	9	41044.221	**49.475**	0.96	1.9	ppb
	Al	27	35080659.335	**4870.350**	102.73	2.1	ppb
>	Sc	45	260276.654				ppb
	Ti	48	494727.911	**51.056**	0.23	0.4	ppb
	Fe	54	1094950.902	**1020.531**	12.33	1.2	ppb
	Mn	55	1007995.504	**51.090**	0.32	0.6	ppb
	Co	59	795133.341	**50.848**	0.09	0.2	ppb
	Ni	60	171581.276	**50.125**	0.26	0.5	ppb
	Cu	63	396722.550	**50.450**	0.50	1.0	ppb
	Cu	65	194118.716	**50.132**	0.41	0.8	ppb
	Zn	66	117354.062	**50.369**	0.40	0.8	ppb
	Zn	67	20381.529	**50.784**	0.51	1.0	ppb
	Zn	68	85448.462	**50.202**	0.43	0.9	ppb
	As	75	131457.577	**49.469**	0.40	0.8	ppb
	Se	77	8905.775	**50.031**	0.28	0.6	ppb
	Se	82	11546.960	**49.423**	0.42	0.8	ppb
>	Y	89	11178526.556				ppb
	Ag	107	730091.709	**51.569**	0.72	1.4	ppb
	Ag	109	697537.618	**51.665**	0.84	1.6	ppb
	Cd	111	176587.011	**50.809**	0.68	1.3	ppb
	Cd	114	397492.534	**51.072**	0.41	0.8	ppb
>	In	115	1251728.494				ppb
	Sb	121	600728.222	**51.747**	0.99	1.9	ppb
	Sb	123	461551.469	**51.134**	0.67	1.3	ppb
	Ba	137	280053.140	**50.203**	0.28	0.5	ppb
>	Ho	165	1684237.157				ppb
	Tl	205	1797200.796	**49.779**	0.17	0.3	ppb
	Pb	208	2532485.749	**51.473**	0.40	0.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	99.6				
Be	9	99.0				
Al	27	97.4				
Sc	45		100.2			
Ti	48	102.1				
Fe	54	102.1				
Mn	55	102.2				
Co	59	101.7				
Ni	60	100.2				
Cu	63	100.9				
Cu	65	100.3				
Zn	66	100.7				
Zn	67	101.6				
Zn	68	100.4				
As	75	98.9				
Se	77	100.1				
Se	82	98.8				
Y	89		100.8			
Ag	107	103.1				
Ag	109	103.3				
Cd	111	101.6				
Cd	114	102.1				
In	115		98.6			
Sb	121	103.5				
Sb	123	102.3				
Ba	137	100.4				
Ho	165		100.0			
Tl	205	99.6				
Pb	208	102.9				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7 ← CCB
Sample Date/Time: Monday, April 23, 2007 17:56:09
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\QC Std 7.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	308.669	**0.050**	0.01	20.7	ppb
	Be	9	29.333	**0.014**	0.01	77.3	ppb
	Al	27	38338.981	**3.213**	0.71	22.0	ppb
>	Sc	45	260216.218				ppb
	Ti	48	780.567	**0.182**	0.01	7.3	ppb
	Fe	54	137753.206	**-1.908**	1.46	76.3	ppb
	Mn	55	1943.466	**0.025**	0.00	19.4	ppb
	Co	59	377.005	**0.020**	0.00	23.5	ppb
	Ni	60	271.336	**0.029**	0.01	36.6	ppb
	Cu	63	1124.044	**0.049**	0.01	17.0	ppb
	Cu	65	519.009	**0.037**	0.00	7.9	ppb
	Zn	66	858.359	**0.047**	0.02	41.9	ppb
	Zn	67	712.351	**0.924**	0.05	5.1	ppb
	Zn	68	436.340	**0.050**	0.02	31.8	ppb
	As	75	224.303	**0.024**	0.03	107.4	ppb
	Se	77	189.001	**0.398**	0.05	12.5	ppb
	Se	82	-7.852	**-0.075**	0.03	33.5	ppb
>	Y	89	11187274.868				ppb
	Ag	107	689.017	**0.033**	0.00	9.4	ppb
	Ag	109	551.677	**0.034**	0.00	7.9	ppb
	Cd	111	4634.914	**0.075**	0.03	34.6	ppb
	Cd	114	185.564	**0.020**	0.01	35.2	ppb
>	In	115	1264022.611				ppb
	Sb	121	2112.825	**0.172**	0.03	15.0	ppb
	Sb	123	1663.953	**0.173**	0.02	10.8	ppb
	Ba	137	190.001	**0.017**	0.01	34.6	ppb
>	Ho	165	1694171.557				ppb
	Tl	205	850.693	**0.022**	0.01	24.8	ppb
	Pb	208	1549.032	**0.021**	0.00	18.3	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		100.1			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		100.9			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		99.5			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		100.6			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JT8C0B
Sample Date/Time: Monday, April 23, 2007 18:01:11
Dilution Factor: 7109235
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JT8C0B.011

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	320.003	**0.050**	0.00	6.2	ppb
	Be	9	15.000	**-0.004**	0.00	50.2	ppb
	Al	27	41531.758	**3.402**	0.28	8.3	ppb
>	Sc	45	272205.062				ppb
	Ti	48	1193.040	**0.222**	0.01	2.5	ppb
	Fe	54	185728.361	**45.984**	1.53	3.3	ppb
	Mn	55	3921.872	**0.122**	0.01	5.9	ppb
	Co	59	267.336	**0.013**	0.00	4.0	ppb
	Ni	60	8762.353	**2.467**	0.04	1.5	ppb
	Cu	63	1450.074	**0.087**	0.01	7.0	ppb
	Cu	65	664.682	**0.072**	0.01	12.7	ppb
	Zn	66	5808.181	**2.142**	0.03	1.3	ppb
	Zn	67	1518.081	**2.900**	0.05	1.6	ppb
	Zn	68	3959.882	**2.089**	0.03	1.7	ppb
	As	75	206.049	**0.016**	0.06	405.3	ppb
	Se	77	1572.087	**8.118**	0.27	3.4	ppb
	Se	82	16.203	**0.027**	0.03	120.3	ppb
>	Y	89	11377037.413				ppb
	Ag	107	2206.177	**0.138**	0.04	27.3	ppb
	Ag	109	1985.146	**0.138**	0.04	30.6	ppb
	Cd	111	4667.430	**0.073**	0.00	4.8	ppb
	Cd	114	-17.297	**-0.006**	0.01	118.9	ppb
>	In	115	1274053.324				ppb
	Sb	121	600.679	**0.043**	0.00	9.1	ppb
	Sb	123	479.528	**0.042**	0.00	10.1	ppb
	Ba	137	1019.370	**0.161**	0.00	1.3	ppb
>	Ho	165	1731373.723				ppb
	Tl	205	194.335	**0.004**	0.00	19.1	ppb
	Pb	208	1986.053	**0.029**	0.00	3.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		104.7			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89		102.6			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115		100.3			
Sb	121					
Sb	123					
Ba	137					
Ho	165		102.8			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JT8C0C
Sample Date/Time: Monday, April 23, 2007 18:06:15
Dilution Factor: 7109235
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JT8C0C.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	205641.639	**46.945**	0.57	1.2	ppb
	Be	9	40130.623	**45.812**	0.36	0.8	ppb
	Al	27	36055661.604	**4740.546**	68.59	1.4	ppb
>	Sc	45	274814.134				ppb
	Ti	48	502722.202	**50.926**	0.13	0.3	ppb
	Fe	54	5153581.320	**5254.067**	6.44	0.1	ppb
	Mn	55	1031547.198	**51.327**	0.69	1.3	ppb
	Co	59	799983.108	**50.219**	0.40	0.8	ppb
	Ni	60	175400.626	**50.299**	0.15	0.3	ppb
	Cu	63	404043.202	**50.440**	0.74	1.5	ppb
	Cu	65	197327.833	**50.027**	0.55	1.1	ppb
	Zn	66	120134.687	**50.620**	0.69	1.4	ppb
	Zn	67	21076.537	**51.565**	0.62	1.2	ppb
	Zn	68	87931.120	**50.716**	0.45	0.9	ppb
	As	75	127067.250	**46.937**	0.56	1.2	ppb
	Se	77	9368.405	**51.682**	0.45	0.9	ppb
	Se	82	11127.464	**46.754**	1.06	2.3	ppb
>	Y	89	11387966.306				ppb
	Ag	107	147716.794	**10.244**	0.14	1.3	ppb
	Ag	109	140657.403	**10.236**	0.07	0.6	ppb
	Cd	111	174268.343	**49.249**	0.39	0.8	ppb
	Cd	114	394551.046	**49.834**	0.34	0.7	ppb
>	In	115	1273326.752				ppb
	Sb	121	607979.391	**51.476**	0.46	0.9	ppb
	Sb	123	468955.659	**51.069**	0.39	0.8	ppb
	Ba	137	282567.118	**49.606**	0.15	0.3	ppb
>	Ho	165	1719704.297				ppb
	Tl	205	1768892.158	**47.987**	0.67	1.4	ppb
	Pb	208	2530394.015	**50.370**	0.47	0.9	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		105.7			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		102.7			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		100.3			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		102.1			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JTR30
Sample Date/Time: Monday, April 23, 2007 18:11:18
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JTR30.013

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	59111.013	**12.736**	0.09	0.7	ppb
	Be	9	562.678	**0.586**	0.04	6.3	ppb
	Al	27	109093552.581	**13560.040**	160.34	1.2	ppb
>	Sc	45	290778.176				ppb
	Ti	48	934371.343	**93.607**	0.80	0.9	ppb
	Fe	54	12145985.853	**12455.560**	18.59	0.1	ppb
	Mn	55	3169579.107	**156.244**	0.89	0.6	ppb
	Co	59	78209.518	**4.856**	0.06	1.3	ppb
	Ni	60	42505.475	**12.027**	0.02	0.2	ppb
	Cu	63	82677.590	**10.140**	0.15	1.5	ppb
	Cu	65	40633.040	**10.119**	0.10	1.0	ppb
	Zn	66	145056.771	**60.558**	0.54	0.9	ppb
	Zn	67	24751.424	**60.081**	0.14	0.2	ppb
	Zn	68	107845.881	**61.610**	0.27	0.4	ppb
	As	75	6182.026	**2.203**	0.01	0.6	ppb
	Se	77	459.341	**1.864**	0.09	4.9	ppb
	Se	82	34.311	**0.102**	0.01	10.4	ppb
>	Y	89	11504838.847				ppb
	Ag	107	1168.048	**0.066**	0.00	3.5	ppb
	Ag	109	871.693	**0.057**	0.00	2.5	ppb
	Cd	111	5191.855	**0.223**	0.02	10.4	ppb
	Cd	114	1214.528	**0.149**	0.00	2.1	ppb
>	In	115	1275607.055				ppb
	Sb	121	1575.421	**0.125**	0.01	9.7	ppb
	Sb	123	1174.776	**0.118**	0.01	11.0	ppb
	Ba	137	455831.236	**79.963**	1.05	1.3	ppb
>	Ho	165	1721402.311				ppb
	Tl	205	8584.588	**0.231**	0.02	6.6	ppb
	Pb	208	614947.222	**12.222**	0.11	0.9	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		111.9			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		103.7			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		100.5			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		102.2			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: SD5X
Sample Date/Time: Monday, April 23, 2007 18:16:21
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\SD5X.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	12557.064	**2.884**	0.02	0.6	ppb
	Be	9	126.334	**0.125**	0.01	9.2	ppb
	Al	27	22372854.610	**2982.508**	42.75	1.4	ppb
>	Sc	45	271002.618				ppb
	Ti	48	195142.057	**19.902**	0.22	1.1	ppb
	Fe	54	2603933.450	**2590.775**	25.79	1.0	ppb
	Mn	55	641165.170	**31.987**	0.23	0.7	ppb
	Co	59	16188.835	**1.016**	0.01	1.1	ppb
	Ni	60	9739.653	**2.755**	0.02	0.8	ppb
	Cu	63	18249.983	**2.196**	0.00	0.1	ppb
	Cu	65	8723.331	**2.127**	0.06	3.0	ppb
	Zn	66	31149.591	**12.932**	0.13	1.0	ppb
	Zn	67	5716.144	**13.394**	0.34	2.5	ppb
	Zn	68	23093.321	**13.214**	0.24	1.8	ppb
	As	75	1379.891	**0.452**	0.01	2.5	ppb
	Se	77	226.668	**0.594**	0.11	18.9	ppb
	Se	82	-8.407	**-0.076**	0.10	125.4	ppb
>	Y	89	11347388.123				ppb
	Ag	107	434.007	**0.015**	0.00	12.3	ppb
	Ag	109	252.669	**0.012**	0.00	15.1	ppb
	Cd	111	4305.163	**-0.046**	0.02	33.8	ppb
	Cd	114	252.941	**0.028**	0.00	8.6	ppb
>	In	115	1289056.183				ppb
	Sb	121	450.674	**0.029**	0.00	13.6	ppb
	Sb	123	344.978	**0.027**	0.00	17.0	ppb
	Ba	137	94974.685	**16.597**	0.14	0.9	ppb
>	Ho	165	1726527.988				ppb
	Tl	205	2100.154	**0.055**	0.00	3.2	ppb
	Pb	208	128242.269	**2.533**	0.02	0.9	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		104.3			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89		102.3			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115		101.5			
Sb	121					
Sb	123					
Ba	137					
Ho	165		102.5			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: AS1.04X
Sample Date/Time: Monday, April 23, 2007 18:21:24
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\AS1.04X.015

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	245399.195	**52.938**	0.80	1.5	ppb
	Be	9	37418.942	**40.361**	0.24	0.6	ppb
	Al	27	136750259.130	**16994.483**	108.97	0.6	ppb
>	Sc	45	290839.438				ppb
	Ti	48	1286215.635	**128.754**	1.98	1.5	ppb
	Fe	54	16044277.175	**16492.267**	187.71	1.1	ppb
	Mn	55	3900810.691	**192.206**	1.83	1.0	ppb
	Co	59	783281.090	**48.643**	0.30	0.6	ppb
	Ni	60	191567.611	**54.351**	0.60	1.1	ppb
	Cu	63	433105.847	**53.494**	0.71	1.3	ppb
	Cu	65	212818.847	**53.381**	0.53	1.0	ppb
	Zn	66	242186.436	**101.273**	1.58	1.6	ppb
	Zn	67	41014.797	**100.086**	1.53	1.5	ppb
	Zn	68	178425.428	**102.012**	1.38	1.4	ppb
	As	75	122127.793	**44.625**	0.51	1.1	ppb
	Se	77	8285.736	**45.138**	0.19	0.4	ppb
	Se	82	10503.511	**43.657**	1.13	2.6	ppb
>	Y	89	11511234.116				ppb
	Ag	107	135263.706	**9.524**	0.08	0.8	ppb
	Ag	109	129499.350	**9.568**	0.07	0.8	ppb
	Cd	111	161237.152	**46.189**	0.05	0.1	ppb
	Cd	114	362521.824	**46.492**	0.35	0.7	ppb
>	In	115	1254009.165				ppb
	Sb	121	546523.890	**46.982**	0.45	1.0	ppb
	Sb	123	420461.065	**46.489**	0.48	1.0	ppb
	Ba	137	674422.837	**119.009**	1.68	1.4	ppb
>	Ho	165	1711297.648				ppb
	Tl	205	1626620.999	**44.341**	0.23	0.5	ppb
	Pb	208	2828077.080	**56.571**	0.22	0.4	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		111.9			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		103.8			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		98.8			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		101.6			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JTR30S
Sample Date/Time: Monday, April 23, 2007 18:26:28
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JTR30S.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	95558.720	**20.204**	0.06	0.3	ppb
	Be	9	4740.120	**4.996**	0.06	1.2	ppb
	Al	27	156942104.555	**19130.399**	72.38	0.4	ppb
>	Sc	45	296521.586				ppb
	Ti	48	1577294.959	**157.972**	1.47	0.9	ppb
	Fe	54	14421323.206	**14819.307**	74.80	0.5	ppb
	Mn	55	3373590.059	**166.330**	1.63	1.0	ppb
	Co	59	168916.527	**10.494**	0.09	0.8	ppb
	Ni	60	65907.018	**18.679**	0.07	0.4	ppb
	Cu	63	130252.110	**16.032**	0.04	0.2	ppb
	Cu	65	63375.936	**15.839**	0.11	0.7	ppb
	Zn	66	169223.796	**70.712**	0.59	0.8	ppb
	Zn	67	29143.030	**70.909**	0.32	0.5	ppb
	Zn	68	127231.411	**72.735**	0.67	0.9	ppb
	As	75	19770.062	**7.178**	0.10	1.4	ppb
	Se	77	1211.385	**6.026**	0.07	1.1	ppb
	Se	82	1180.719	**4.874**	0.09	1.8	ppb
>	Y	89	11502875.615				ppb
	Ag	107	15599.513	**1.069**	0.01	1.2	ppb
	Ag	109	14605.464	**1.058**	0.02	1.7	ppb
	Cd	111	22667.124	**5.297**	0.08	1.5	ppb
	Cd	114	41790.314	**5.278**	0.03	0.6	ppb
>	In	115	1272517.670				ppb
	Sb	121	33997.750	**2.872**	0.04	1.5	ppb
	Sb	123	26262.349	**2.852**	0.01	0.2	ppb
	Ba	137	582823.166	**102.510**	1.24	1.2	ppb
>	Ho	165	1716754.544				ppb
	Tl	205	198764.639	**5.400**	0.02	0.4	ppb
	Pb	208	901313.189	**17.965**	0.10	0.5	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		114.1			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		103.7			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		100.2			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		101.9			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JTR30D
Sample Date/Time: Monday, April 23, 2007 18:31:31
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JTR30D.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	98831.031	**20.816**	0.19	0.9	ppb
	Be	9	4903.842	**5.149**	0.06	1.1	ppb
	Al	27	161136605.104	**19567.630**	404.88	2.1	ppb
>	Sc	45	297681.994				ppb
	Ti	48	1631739.816	**161.739**	2.46	1.5	ppb
	Fe	54	15224824.851	**15490.840**	282.28	1.8	ppb
	Mn	55	3516924.022	**171.614**	2.28	1.3	ppb
	Co	59	177440.360	**10.910**	0.21	1.9	ppb
	Ni	60	68892.722	**19.326**	0.31	1.6	ppb
	Cu	63	135924.254	**16.560**	0.09	0.5	ppb
	Cu	65	65818.948	**16.282**	0.13	0.8	ppb
	Zn	66	177590.382	**73.452**	0.48	0.7	ppb
	Zn	67	30587.715	**73.689**	1.18	1.6	ppb
	Zn	68	132761.064	**75.114**	0.16	0.2	ppb
	As	75	19515.235	**7.011**	0.06	0.9	ppb
	Se	77	1299.392	**6.439**	0.12	1.8	ppb
	Se	82	1211.727	**4.952**	0.16	3.1	ppb
>	Y	89	11623736.044				ppb
	Ag	107	15941.558	**1.084**	0.02	1.4	ppb
	Ag	109	14709.236	**1.057**	0.01	0.8	ppb
	Cd	111	22936.060	**5.325**	0.02	0.4	ppb
	Cd	114	42609.753	**5.341**	0.03	0.6	ppb
>	In	115	1282135.560				ppb
	Sb	121	32985.372	**2.766**	0.02	0.5	ppb
	Sb	123	25173.055	**2.713**	0.03	1.1	ppb
	Ba	137	637132.237	**112.146**	0.43	0.4	ppb
>	Ho	165	1715553.210				ppb
	Tl	205	200041.216	**5.438**	0.01	0.2	ppb
	Pb	208	927390.422	**18.498**	0.02	0.1	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		114.5			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		104.8			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		101.0			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		101.8			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JTR39
Sample Date/Time: Monday, April 23, 2007 18:36:34
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JTR39.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	85034.771	**17.560**	0.17	1.0	ppb
	Be	9	788.022	**0.794**	0.03	4.0	ppb
	Al	27	169444639.256	**20178.632**	516.39	2.6	ppb
>	Sc	45	303552.647				ppb
	Ti	48	1064773.925	**104.247**	0.37	0.4	ppb
	Fe	54	17368593.492	**17468.853**	313.38	1.8	ppb
	Mn	55	3327432.753	**160.320**	0.97	0.6	ppb
	Co	59	107279.650	**6.512**	0.02	0.3	ppb
	Ni	60	58919.252	**16.312**	0.10	0.6	ppb
	Cu	63	108905.588	**13.082**	0.09	0.7	ppb
	Cu	65	53052.667	**12.940**	0.17	1.4	ppb
	Zn	66	169692.570	**69.289**	0.61	0.9	ppb
	Zn	67	29197.810	**69.406**	0.92	1.3	ppb
	Zn	68	125349.875	**70.020**	0.50	0.7	ppb
	As	75	7755.293	**2.714**	0.01	0.3	ppb
	Se	77	465.674	**1.841**	0.10	5.4	ppb
	Se	82	93.987	**0.341**	0.05	15.7	ppb
>	Y	89	11771136.722				ppb
	Ag	107	1153.713	**0.065**	0.00	1.3	ppb
	Ag	109	723.685	**0.046**	0.00	4.3	ppb
	Cd	111	5274.758	**0.244**	0.03	11.8	ppb
	Cd	114	943.824	**0.115**	0.00	1.4	ppb
>	In	115	1278212.452				ppb
	Sb	121	1218.052	**0.094**	0.00	2.9	ppb
	Sb	123	963.338	**0.095**	0.00	3.6	ppb
	Ba	137	594532.088	**104.681**	1.06	1.0	ppb
>	Ho	165	1715097.159				ppb
	Tl	205	8211.360	**0.222**	0.00	1.6	ppb
	Pb	208	717859.871	**14.321**	0.14	1.0	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		116.8			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		106.1			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		100.7			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		101.8			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JTR4C
Sample Date/Time: Monday, April 23, 2007 18:41:38
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JTR4C.019

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	23212.809	**5.534**	0.03	0.6	ppb
	Be	9	185.335	**0.201**	0.02	9.8	ppb
	Al	27	35518390.682	**4896.438**	70.40	1.4	ppb
>	Sc	45	262134.997				ppb
	Ti	48	5367486.063	**535.750**	14.38	2.7	ppb
	Fe	54	9648775.772	**9835.246**	148.28	1.5	ppb
	Mn	55	3634490.256	**178.660**	3.17	1.8	ppb
	Co	59	36029.379	**2.229**	0.04	1.8	ppb
	Ni	60	33594.464	**9.467**	0.20	2.1	ppb
	Cu	63	188608.229	**23.186**	0.25	1.1	ppb
	Cu	65	92621.620	**23.122**	0.25	1.1	ppb
	Zn	66	486631.216	**203.327**	2.62	1.3	ppb
	Zn	67	77588.463	**189.662**	2.01	1.1	ppb
	Zn	68	354690.544	**202.510**	1.78	0.9	ppb
	As	75	5131.206	**1.812**	0.06	3.3	ppb
	Se	77	354.338	**1.277**	0.05	3.9	ppb
	Se	82	49.580	**0.164**	0.14	88.1	ppb
>	Y	89	11539061.924				ppb
	Ag	107	540.677	**0.023**	0.00	1.8	ppb
	Ag	109	258.336	**0.013**	0.00	12.3	ppb
	Cd	111	7243.286	**0.835**	0.02	2.8	ppb
	Cd	114	1438.771	**0.179**	0.01	3.1	ppb
>	In	115	1264802.213				ppb
	Sb	121	1863.788	**0.151**	0.00	2.1	ppb
	Sb	123	1378.372	**0.141**	0.00	2.8	ppb
	Ba	137	901129.140	**166.093**	0.26	0.2	ppb
>	Ho	165	1638354.930				ppb
	Tl	205	1817.116	**0.050**	0.00	2.6	ppb
	Pb	208	1120340.425	**23.402**	0.08	0.3	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		100.9			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		104.0			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		99.6			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		97.3			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JTR4F
Sample Date/Time: Monday, April 23, 2007 18:46:42
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JTR4F.020

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	41732.957	**9.882**	0.06	0.6	ppb
	Be	9	370.005	**0.418**	0.01	3.0	ppb
	Al	27	81354422.410	**11120.178**	169.24	1.5	ppb
>	Sc	45	264429.941				ppb
	Ti	48	4526606.655	**467.741**	3.59	0.8	ppb
	Fe	54	40845354.470	**43609.250**	154.96	0.4	ppb
	Mn	55	9868174.219	**502.354**	2.84	0.6	ppb
	Co	59	86761.334	**5.562**	0.04	0.8	ppb
	Ni	60	68977.462	**20.182**	0.01	0.0	ppb
	Cu	63	905272.117	**115.598**	1.01	0.9	ppb
	Cu	65	448820.452	**116.395**	0.78	0.7	ppb
	Zn	66	440340.496	**190.470**	0.87	0.5	ppb
	Zn	67	70880.079	**179.348**	2.44	1.4	ppb
	Zn	68	320055.540	**189.186**	1.21	0.6	ppb
	As	75	32723.652	**12.307**	0.18	1.5	ppb
	Se	77	442.340	**1.849**	0.00	0.3	ppb
	Se	82	13.696	**0.018**	0.03	142.1	ppb
>	Y	89	11144379.079				ppb
	Ag	107	931.697	**0.052**	0.00	1.7	ppb
	Ag	109	628.347	**0.041**	0.00	3.9	ppb
	Cd	111	7424.850	**0.937**	0.05	4.9	ppb
	Cd	114	3344.855	**0.431**	0.01	2.0	ppb
>	In	115	1236948.443				ppb
	Sb	121	2374.197	**0.199**	0.00	1.6	ppb
	Sb	123	1811.756	**0.193**	0.01	3.8	ppb
	Ba	137	620023.013	**116.148**	0.74	0.6	ppb
>	Ho	165	1611928.293				ppb
	Tl	205	3732.821	**0.107**	0.00	1.6	ppb
	Pb	208	3501233.780	**74.356**	0.27	0.4	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		101.8			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		100.5			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		97.4			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		95.7			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Monday, April 23, 2007 18:51:45
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179.GW.mth
Dataset File: c:\elandata\dataset\a070423b\QC Std 6.021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	206139.987	**49.181**	0.57	1.2	ppb
	Be	9	41579.757	**49.607**	0.36	0.7	ppb
	Al	27	36956009.193	**5078.248**	70.49	1.4	ppb
>	Sc	45	262965.901				ppb
	Ti	48	492051.996	**50.124**	0.53	1.1	ppb
	Fe	54	1100558.795	**1011.313**	1.23	0.1	ppb
	Mn	55	1029045.178	**51.483**	0.33	0.6	ppb
	Co	59	809838.951	**51.120**	0.50	1.0	ppb
	Ni	60	174269.503	**50.252**	0.29	0.6	ppb
	Cu	63	403720.213	**50.677**	0.24	0.5	ppb
	Cu	65	197347.841	**50.306**	0.16	0.3	ppb
	Zn	66	118769.134	**50.315**	0.84	1.7	ppb
	Zn	67	20414.578	**50.196**	0.38	0.8	ppb
	Zn	68	87073.902	**50.496**	0.15	0.3	ppb
	As	75	132609.174	**49.257**	0.23	0.5	ppb
	Se	77	8947.134	**49.609**	0.54	1.1	ppb
	Se	82	11612.977	**49.063**	0.65	1.3	ppb
>	Y	89	11325031.849				ppb
	Ag	107	743672.330	**52.045**	0.30	0.6	ppb
	Ag	109	713276.176	**52.343**	0.35	0.7	ppb
	Cd	111	178396.654	**50.858**	0.13	0.3	ppb
	Cd	114	402211.108	**51.206**	0.45	0.9	ppb
>	In	115	1263237.528				ppb
	Sb	121	606746.939	**51.781**	0.41	0.8	ppb
	Sb	123	464891.427	**51.030**	0.35	0.7	ppb
	Ba	137	280970.491	**50.738**	0.69	1.4	ppb
>	Ho	165	1672055.976				ppb
	Tl	205	1744817.743	**48.683**	0.58	1.2	ppb
	Pb	208	2446926.980	**50.099**	0.89	1.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	98.4				
Be	9	99.2				
Al	27	101.6				
> Sc	45		101.2			
Ti	48	100.2				
Fe	54	101.1				
Mn	55	103.0				
Co	59	102.2				
Ni	60	100.5				
Cu	63	101.4				
Cu	65	100.6				
Zn	66	100.6				
Zn	67	100.4				
Zn	68	101.0				
As	75	98.5				
Se	77	99.2				
Se	82	98.1				
> Y	89		102.1			
Ag	107	104.1				
Ag	109	104.7				
Cd	111	101.7				
Cd	114	102.4				
> In	115		99.5			
Sb	121	103.6				
Sb	123	102.1				
Ba	137	101.5				
> Ho	165		99.3			
Tl	205	97.4				
Pb	208	100.2				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Monday, April 23, 2007 18:56:47
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\QC Std 7.022

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	290.002	**0.045**	0.00	7.9	ppb
	Be	9	32.667	**0.018**	0.01	54.7	ppb
	Al	27	29964.448	**1.999**	0.71	35.7	ppb
>	Sc	45	263109.707				ppb
	Ti	48	-459.126	**0.055**	0.01	17.9	ppb
	Fe	54	137732.666	**-4.388**	2.86	65.2	ppb
	Mn	55	1978.471	**0.025**	0.01	34.7	ppb
	Co	59	305.337	**0.015**	0.01	54.9	ppb
	Ni	60	251.002	**0.022**	0.01	33.4	ppb
	Cu	63	965.366	**0.026**	0.01	44.0	ppb
	Cu	65	493.342	**0.028**	0.01	46.5	ppb
	Zn	66	797.356	**0.015**	0.01	72.1	ppb
	Zn	67	496.342	**0.356**	0.02	4.7	ppb
	Zn	68	406.006	**0.029**	0.00	15.0	ppb
	As	75	304.408	**0.052**	0.02	36.8	ppb
	Se	77	145.334	**0.136**	0.05	35.6	ppb
	Se	82	33.274	**0.099**	0.07	66.2	ppb
>	Y	89	11377087.025				ppb
	Ag	107	604.680	**0.027**	0.00	11.1	ppb
	Ag	109	438.673	**0.026**	0.00	5.0	ppb
	Cd	111	5542.016	**0.332**	0.03	8.3	ppb
	Cd	114	148.177	**0.015**	0.01	39.4	ppb
>	In	115	1269777.876				ppb
	Sb	121	2071.485	**0.168**	0.02	11.9	ppb
	Sb	123	1595.607	**0.164**	0.02	11.8	ppb
	Ba	137	215.002	**0.022**	0.01	37.6	ppb
>	Ho	165	1683016.092				ppb
	Tl	205	823.359	**0.021**	0.01	38.0	ppb
	Pb	208	1529.034	**0.021**	0.01	40.9	ppb

QC & Sample Data

STL AUSTIN

GENERAL CHEMISTRY CHECK LIST

BATCH NUMBERS	BATCH NUMBERS
7102440	
7102446	

Method Name/Type: % Moist

Instrument ID: A1

Analysis Date: 04/12/07

ICAL Date: N/A

Review Item	YES	NO	N/A	2nd Review
Initial Calibration				
Is the initial calibration correlation coefficient ≥ 0.995 ?			✓	✓
Does the standard curve consist of a Blank(when required) ?			✓	✓
Does the curve consist of the minium number of calibration standards?			✓	✓
Initial Calibration Verification(ICV) analyzed immediately after calibration?			✓	✓
Initial Calibration Blank(ICB) analyzed immediately after ICV?			✓	✓
Does the ICV and ICB pass QC requirments?			✓	✓
Continuing Calibration				
Continuing Calibration Verification (CCV) analyzed at required frequency?			✓	✓
Continuing Calibration Blank(CCB) analyzed at required frequency?			✓	✓
Does the CCV and CCB pass QC requirments?			✓	✓
Sample Analysis				
Were all sample holding times met ?	✓			✓
Were any samples concentrations > than the linear range for any parameter diluted and reanalyzed?			✓	✓
Quality Control Samples				
Is method Blank concentration less than the reporting limit?			✓	✓
Is the Laboratory Control Sample (LCS) recovery within limits?			✓	✓
MS or MS/MSD percent recovery within QC limits			✓	✓
When MS/MSD analyzed , is RPD within QC limits?			✓	✓
When duplicate analysis performed, is RPD within QC limits (± 20%)	✓			✓
Other				
All nonconformances included and noted			✓	✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
Transcriptions checked for accuracy	✓			✓
All unused analyses noted on sequence with the reason	✓			✓
All calculations checked at minimum frequency	✓			✓
Units checked	✓			✓
Manual integration checked by 2nd reviewer			✓	✓

Comment on any "NO" response:

Analyst: WTJ Date: 04/12/07

[illegible] Date: 4-16-07

STL AUSTIN

% MOISTURE GRAVIMETRIC ANALYSES LOG

METHOD: ASTM
SOP #: AUS-WC-0001, current revision
ANALYST: WTJ

Batch # 7102440, 7102446
INITIAL DATE / TIME: 04/12/07 1630
FINAL DATE / TIME: 04/13/07 0800

Balance #: 23	Oven #: 3c	Oven Temp.: 104.5

NOTE: There must be a second weighing if the dish is in the oven less than 12 hours to document constant weight.

Sample ID	Dish #	Tare Wt. (gms)	Wet Wt. (gms)	Final Dry Wt. (gms)	Comments
JTKP8	1	0.89	6.25	6.23	
JTF8P	2	0.90	8.55	8.49	
JTF8PX	3	0.90	7.36	7.30	DUP
JTF84	4	0.88	7.12	6.97	
JTF87	5	0.89	6.71	6.50	
JTF88	6	0.88	7.04	6.91	
JTF89	7	0.88	6.21	6.10	
JTF9E	8	0.89	6.50	6.31	
JTLRG	9	0.88	7.15	5.25	
JTLT5	10	1.00	6.25	5.04	
JTLVE	11	1.01	7.58	4.58	
JTRFT	12	1.01	7.09	6.91	
JTRGV	13	1.02	6.53	6.06	
JTRG2	14	0.90	7.17	6.21	
JTRHE	15	0.87	6.16	5.96	
JTRJG	16	1.00	7.17	7.05	
JTRJM	17	0.99	6.34	6.21	
JTRJP	18	1.02	7.85	7.59	
JTR2J	19	1.00	6.82	6.83	
JTR30	20	1.01	7.32	4.92	
JTR39	21	1.01	6.87	4.71	
JTR4C	22	0.88	7.83	6.78	
JTR4F	23	0.88	8.97	7.74	
JTR4J	24	0.88	7.74	5.30	
JTR4JX	25	1.01	7.04	4.94	DUP
					WTJ 04/12/07

Severn Trent
Austin Laboratory

GRAVIMETRIC CALCULATION BENCHSHEET

ANALYST: BTJ
ANALYSIS DATE: 04/12/07 16:30
METHOD NO.: MIST
BALANCE NO.: A1
BATCH NO.: 7102440
FILE: 041207A

	Lab ID	Time	True Conc. mg/L	Cup #	Tare Wt. gram	Init. Weight gram	Init Dried Wt. gram	Final Dried Wt gram	Percent Moisture %	%Rec.	Check
1	JTKP8	16:30			0.8900	6.25	NA	6.2300	0.37		< RL
2	JTF8P	16:32			0.9000	8.55	NA	8.49	0.78		
3	JTF8PX	16:34			0.9000	7.36	NA	7.3	0.93		
4	JTF84	16:36			0.8800	7.12	NA	6.97	2.4		
5	JTF87	16:38			0.8900	6.71	NA	6.5	3.61		
6	JTF88	16:40			0.8800	7.04	NA	6.91	2.11		
7	JTF89	16:42			0.8800	6.21	NA	6.1	2.06		
8	JTF9E	16:44			0.8900	6.50	NA	6.31	3.39		
9	JTLRG	16:46			0.8800	7.15	NA	5.25	30.3		
10	JTLT5	16:48			1.0000	6.25	NA	5.04	23		
11	JTLVE	16:50			1.0100	7.58	NA	4.58	45.7		
12	JTRFT	16:52			1.0100	7.09	NA	6.91	2.96		
13	JTRGV	16:54			1.0200	6.53	NA	6.06	8.53		
14	JTRG2	16:56			0.9000	7.17	NA	6.21	15.3		
15	JTRHE	16:58			0.8700	6.16	NA	5.96	3.78		
16	JTRJG	17:00			1.0000	7.17	NA	7.05	1.94		
17	JTRJM	17:02			0.9900	6.34	NA	6.21	2.43		
18	JTRJP	17:04			1.0200	7.85	NA	7.59	3.81		
19	JTQ8J	17:06			1.0000	6.82	NA	6.83	-0.172		< RL
20	JTR30	17:08			1.0100	7.32	NA	4.92	38		
21	JTR39	17:10			1.0100	6.87	NA	4.71	36.9		
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Severn Trent
Austin Laboratory

GRAVIMETRIC CALCULATION BENCHSHEET

ANALYST: BTJ
ANALYSIS DATE: 04/12/07 17:30
METHOD NO.: MIST
BALANCE NO.: A1
BATCH NO.: 7102446
FILE: 041207B

	Lab ID	Time	True Conc. mg/L	Cup #	Tare Wt. gram	Init. Weight gram	Init Dried Wt. gram	Final Dried Wt gram	Percent Moisture %	%Rec.	Check
1	JTR4C	17:30			0.8800	7.83	NA	6.7800	15.1		
2	JTR4F	17:32			0.8800	8.97	NA	7.74	15.2		
3	JTR4J	17:34	PARENT		0.8800	7.74	NA	5.3	35.6		
4	JTR4JX	17:36			1.0100	7.04	NA	4.94	34.8		
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Semivolatile GC

Supporting Documentation

Sample Sequence, Chromatograms

STL

Lot ID: ~~D7D~~ 22W 4/25/07 I7D120264

Client: EA Eng.

Method: 8081 A

Associated Samples: 5

Batch #(s): 7107012

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: Teresa L. Williams 4/25/07

GC SEMIVOLATILE ORGANIC EXTRACTION LOG SHEETS

STL

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/20/07
Time: 35:30

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 008881 Kazimierz Kudla

Concentrationist: 000130 Rhain Carpenter

QC BATCH: 7107012

PREP DATE: 4/17/07 10:00
COMP DATE: 4/19/07 23:05

Reviewer/Date: CARPENTER / 4/19/07

Pesticides (8081A)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/23/07	4/26/07	I7D120264-005 **JTR4J-1-A2**	D	13	QJ	SOLID	**30.5g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV629 3/23/7
COMMENTS:															
4/23/07	4/26/07	I7D120264-005 **JTR4J-1-A6S**	D	13	QJ	SOLID	**30.7g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV664 4/12/7 1ML GSV629 3/23/7
COMMENTS:															
4/23/07	4/26/07	I7D120264-005 **JTR4J-1-A7D**	D	13	QJ	SOLID	**30.8g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV664 4/12/7 1ML GSV629 3/23/7
COMMENTS:															
4/23/07	0/00/00	D7D170000-012 **JT1XD-1-AAB**		13	QJ	SOLID	**28.1g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV629 3/23/7
COMMENTS:															
4/23/07	0/00/00	D7D170000-012 **JT1XD-1-ACC**		13	QJ	SOLID	**29.5g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV664 4/12/7 1ML GSV629 3/23/7
COMMENTS:															

DEN-OP-0009/0007 BAL:D53923 NA2S04:C30599 SAND:VS0301 MECL2/ACETONE:C42E33
S/S-K-B W:KA S/S BLK W/7107011 BATH A:88C HEXANE:C39E16 PIP:OP-P1

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 5

GC SEMIVOLATILE INSTRUMENT LOG SHEETS

STL

Sequence: C:\HPCHEM\1\SEQUENCE\C042007.S

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	PRIMER				
2	Vial 2	EVAL B				
3	Vial 3	HEXANE				
4	Vial 4	AP9 L4 GSV000507				
5	Vial 5	AB L4 GSV019707				
6	Vial 6	TOX L1 GSV119006				
7	Vial 7	JLQ5G1AD,154-2				
8	Vial 8	JLQ5G1AE,154-2				
9	Vial 9	JTF431AA,BLK				
10	Vial 10	JT7D61AC,LCS				
11	Vial 11	JT4A41AC,LCS				
12	Vial 12	JTW421AC,LCS				
13	Vial 13	JTW421AD,LCSD				
14	Vial 14	JTW421AE,LCStox				
15	Vial 15	JT6R91AC,LCS				
16	Vial 16	JT1XD1AC,LCS				
17	Vial 17	AP9 L4 GSV000507				
18	Vial 18	AB L4 GSV019707				
19	Vial 19	TOX L1 GSV119006				
20	Vial 20	JTV601AA,195-2				
21	Vial 21	JT7D61AA,BLK				
22	Vial 22	JTV1T1AD,172-1				
23	Vial 23	JTXC41AA,324-1				
24	Vial 24	JTXC41AC,324-1S				
25	Vial 25	JTXC41AD,324-1D				
26	Vial 26	JT0F01AA,167-1				
27	Vial 27	JT4A41AA,BLK				
28	Vial 28	JTRR91A2,218-1				
29	Vial 29	JTRT71AL,218-2				
30	Vial 30	AP9 L4 GSV000507				
31	Vial 31	AB L4 GSV019707				
32	Vial 32	TOX L1 GSV119006				
33	Vial 33	JTRT91AL,218-3				
34	Vial 34	JTRVC1AL,218-4				
35	Vial 35	JTW421AA,BLK				
36	Vial 36	JT2M21A5,171-1				
37	Vial 37	JT2M71AG,171-2				
38	Vial 38	JT2M81AG,171-3				
39	Vial 39	JT2M91AG,171-4				
40	Vial 40	JT2NC1AG,171-5				
41	Vial 41	JT2XW1AJ,197-1				
42	Vial 42	JT2X81AV,197-3				
43	Vial 43	AP9 L4 GSV000507				
44	Vial 44	AB L4 GSV019707				
45	Vial 45	TOX L1 GSV119006				
46	Vial 46	JT20F1AV,197-5				
47	Vial 47	JT20N1AV,197-7				
48	Vial 48	JT20V1AV,197-9				
49	Vial 49	JT2001AV,197-11				
50	Vial 50	JT2061AV,197-13				
51	Vial 51	JT21G1AV,197-15				
52	Vial 52	JT21J1AV,197-17				
53	Vial 53	JT21L1AV,197-19				
54	Vial 54	JT21N1AV,197-21				
55	Vial 55	JT21Q1AV,197-23				
56	Vial 56	AP9 L4 GSV000507				
57	Vial 57	AB L4 GSV019707				
58	Vial 58	TOX L1 GSV119006				
59	Vial 59	JT6R91AA,BLK				

Sequence: C:\HPCHEM\1\SEQUENCE\C042007.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
60	Vial 60	JTR4J1A2,264-5				
61	Vial 61	JTR4J1A6,264-5S				
62	Vial 62	JTR4J1A7,264-5D				
63	Vial 63	JT1XD1AA,BLK				
64	Vial 64	AP9 L4 GSV000507				
65	Vial 65	AB L4 GSV019707				
66	Vial 66	TOX L1 GSV119006				
67	Vial 99	HEXANE				
68	Vial 100	HEXANE				

Sequence Table (Back Injector):

No entries - empty table!

GC SEMIVOLATILE CONTINUING CALIBRATION DATA

STL

Data File: /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Report Date: 04/23/2007

EVALB Degradation Report

Instrument ID: GC_C.i Injection Date: 20-APR-2007 15:06
Lab File ID: C#A-002f0201.d Lab Sample ID: EVAL B
Analysis Type: NONE Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

4,4'-DDT Degradation

RT	Area	Compound
6.9340	60089678	4,4'-DDT
5.8690	634600	4,4'-DDE
6.5915	2409480	4,4'-DDD

Percent Degradation of 4,4'-DDT: 4.82

CL 4/24/07

Endrin Degradation

RT	Area	Compound
6.3831	56444946	Endrin
7.0223	1373218	Endrin aldehyde
7.9340	2406792	Endrin ketone

Percent Degradation of Endrin: 6.28

Data File: /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Lab Smp Id: EVAL B
Inj Date : 20-APR-2007 15:06
Operator : Michael Inst ID: GC_C.i
Smp Info : EVAL B
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALB.sub
Target Version: 3.50
Processing Host: chemsv04

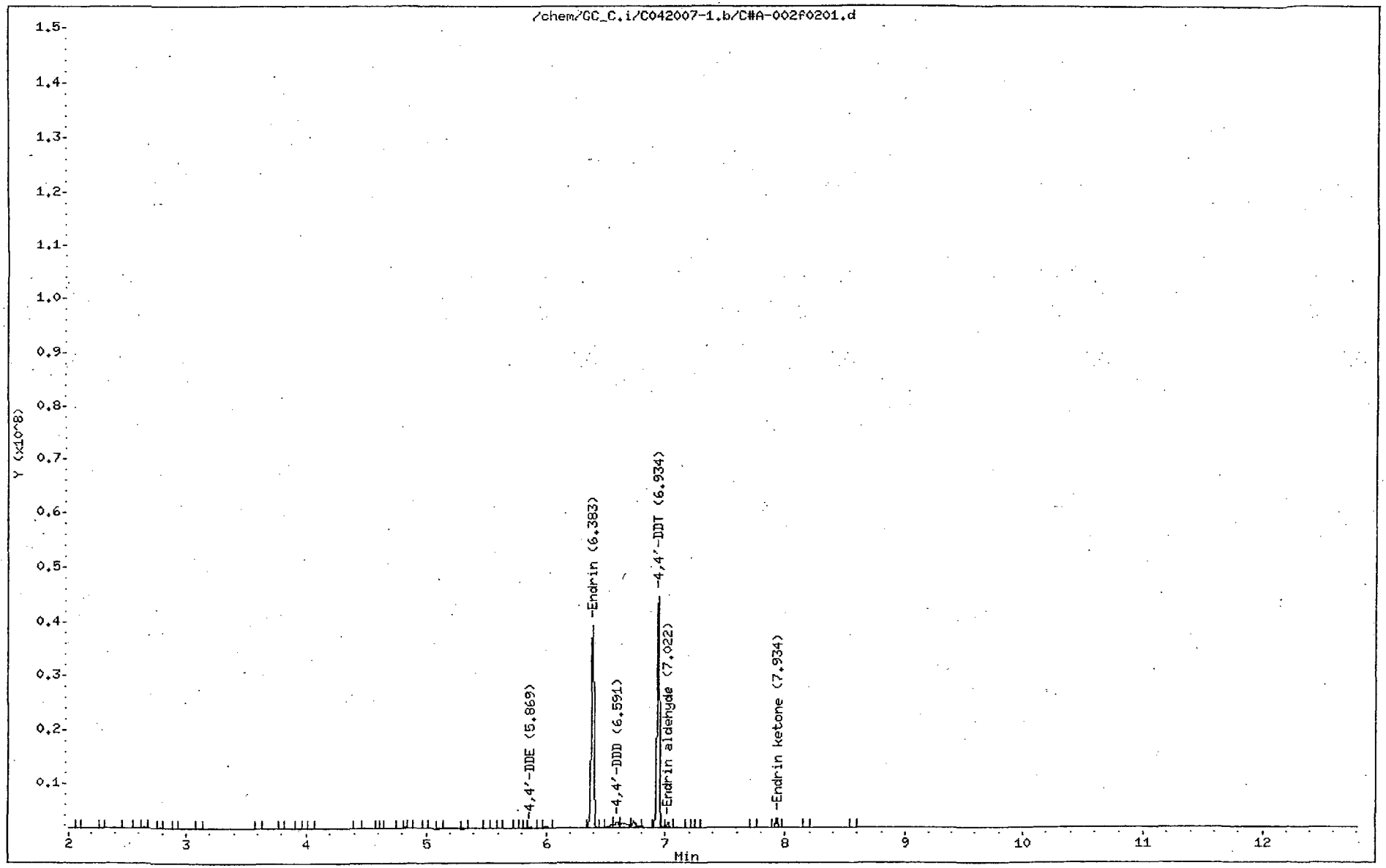
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
23 Endrin	6.383	6.382	0.001	56444946	50.0000	43.852
28 4,4'-DDT	6.934	6.933	0.001	60089678	50.0000	77.535
32 Endrin ketone	7.934	7.933	0.001	2406792	50.0000	0.88639

Data File: /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Date : 20-APR-2007 15:06
Client ID:
Sample Info: EVAL B

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-002f0201.d
Report Date: 04/23/2007

EVALB Degradation Report

Instrument ID: GC_C.i Injection Date: 20-APR-2007 15:06
Lab File ID: C#B-002f0201.d Lab Sample ID: EVAL B
Analysis Type: NONE Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

4,4'-DDT Degradation

RT	Area	Compound
7.5481	50368590	4,4'-DDT
6.5540	743984	4,4'-DDE
7.2015	3784785	4,4'-DDD

Percent Degradation of 4,4'-DDT: 8.25

Endrin Degradation

RT	Area	Compound
6.9748	56851641	Endrin
7.4323	1216680	Endrin aldehyde
8.1965	1933741	Endrin ketone

Percent Degradation of Endrin: 5.25

Data File: /chem/GC_C.i/C042007-2.b/C#B-002f0201.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-002f0201.d
Lab Smp Id: EVAL B
Inj Date : 20-APR-2007 15:06
Operator : Michael Inst ID: GC_C.i
Smp Info : EVAL B
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALB.sub
Target Version: 3.50
Processing Host: chemsv04

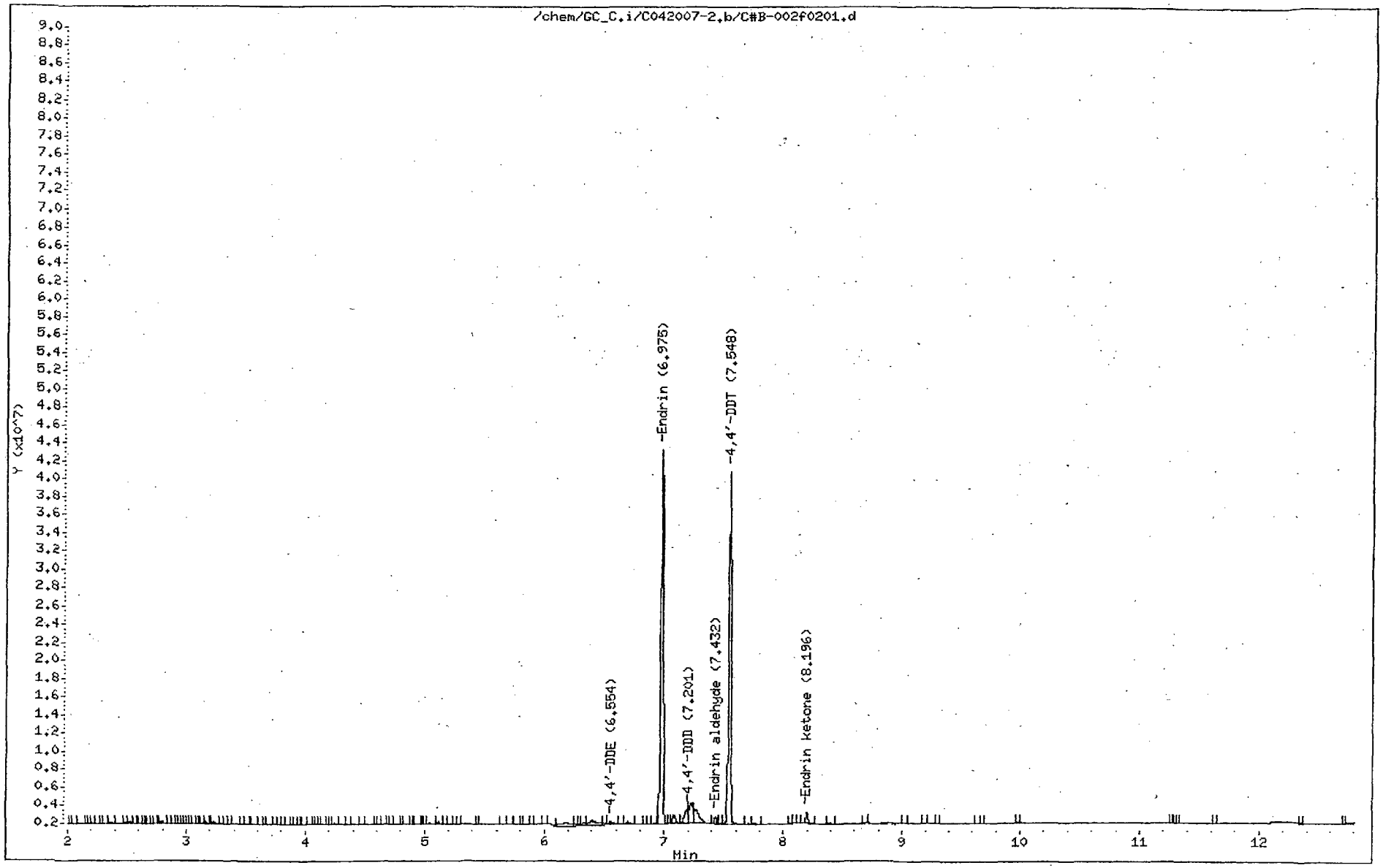
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
24 Endrin	6.975	6.976	-0.001	56851641	50.0000	42.926
30 4,4'-DDT	7.548	7.547	0.001	50368590	50.0000	69.640
26 4,4'-DDD	7.201	7.194	0.007	3784785	50.0000	2.8317
33 Endrin ketone	8.196	8.196	0.000	1933741	50.0000	1.4692

Data File: /chem/GC_C.i/C042007-2.b/C#B-002f0201.d
Date : 20-APR-2007 15:06
Client ID:
Sample Info: EVAL B

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-004f0401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-004f0401.d
Analysis Type: NONE

Injection Date: 20-APR-2007 15:54
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	5232.0355	49.5	15.0	<-
118 chlorpyrifos	175.0000	260.8328	49.0	15.0	<-
119 Isodrin/Dicofol	175.0000	262.7105	50.1	15.0	<-
121 2,4'-DDE	35.0000	53.0078	51.5	15.0	<-
122 2,4'-DDD	35.0000	51.4638	47.0	15.0	<-
125 Chlorobenzilate	350.0000	508.9334	45.4	15.0	<-
123 2,4'-DDT	35.0000	52.0738	48.8	15.0	<-
124 Kepone	350.0000	486.7157	39.1	53.0	
126 DBPP	1750.0000	3836.6932	119.2	15.0	<-

Average %D = 55.5

Data File: /chem/GC_C.i/C042007-1.b/C#A-004f0401.d
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-004f0401.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 15:54
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.892	0.001	180104733	3500.00	5232.0(A)
11 chlorpyrifos	5.026	5.026	0.000	146113142	175.000	260.83
12 Isodrin/Dicofol	5.226	5.226	0.000	325225563	175.000	262.71(A)
15 2,4'-DDE	5.561	5.561	0.000	48829832	35.0000	53.008
21 2,4'-DDD	6.098	6.097	0.001	42336710	35.0000	51.464
22 Chlorobenzilate	6.226	6.226	0.000	42291376	350.000	508.93(A)
24 2,4'-DDT	6.456	6.455	0.001	42124980	35.0000	52.074
25 Kepone	6.512	6.511	0.001	202607963	350.000	486.72(A)
35 DBPP	11.234	11.235	-0.001	231678367	1750.00	3836.7

QC Flag Legend

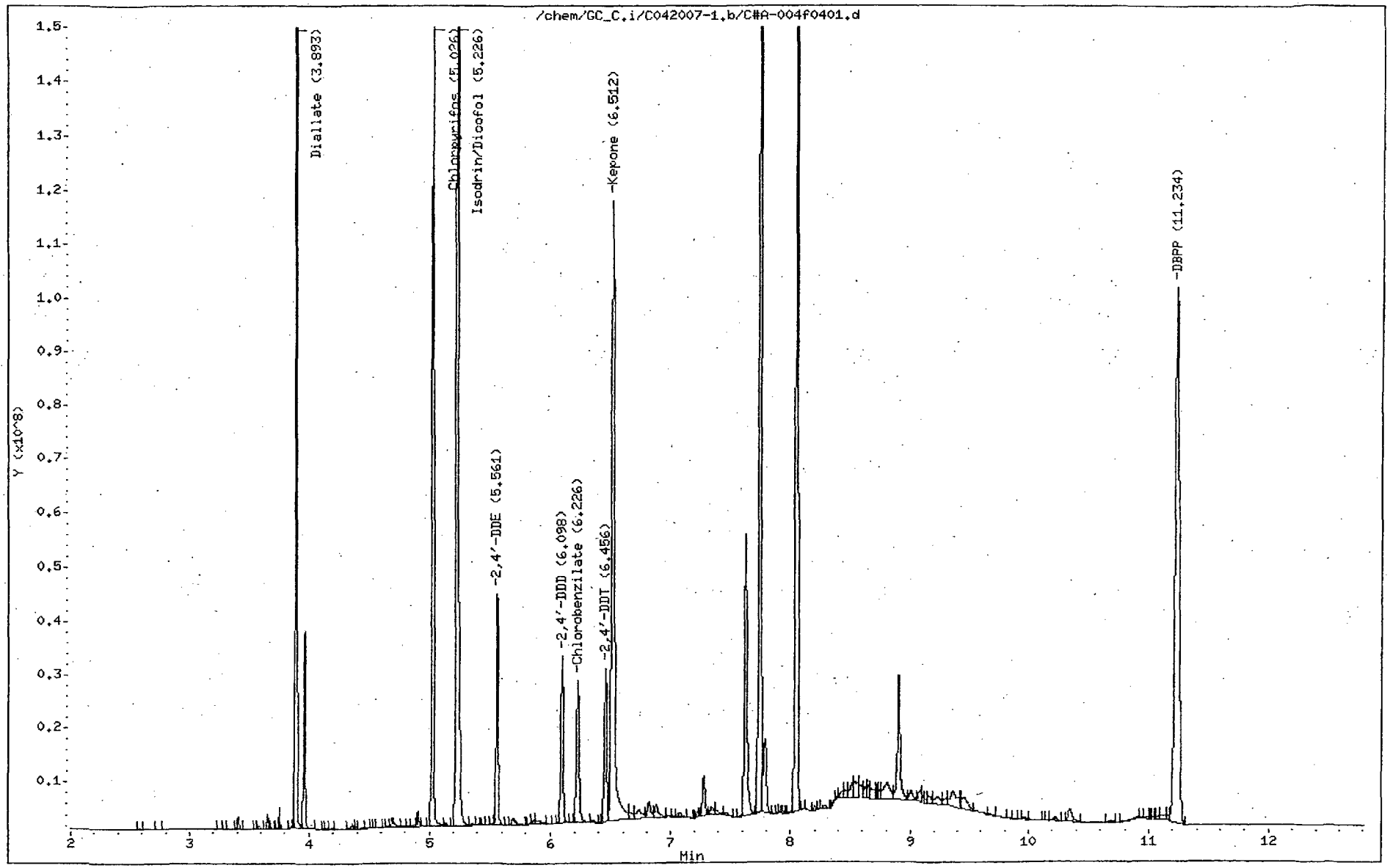
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-1.b/C#A-004f0401.d
Date : 20-APR-2007 15:54
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-004f0401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-004f0401.d
Analysis Type: NONE

Injection Date: 20-APR-2007 15:54
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	5198.0457	48.5	15.0	<-
124 Chlorpyrifos	175.0000	260.1532	48.7	15.0	<-
134 Dicofol	350.0000	427.2984	22.1	15.0	<-
125 Isodrin	175.0000	261.5946	49.5	15.0	<-
127 2,4'-DDE	35.0000	53.4415	52.7	15.0	<-
128 2,4'-DDD	35.0000	50.6850	44.8	15.0	<-
131 Chlorobenzilate	350.0000	523.0659	49.4	15.0	<-
129 2,4'-DDT	35.0000	52.0428	48.7	15.0	<-
130 Kepone	350.0000	263.0973	24.8	53.0	
132 DBPP	1750.0000	3623.4093	107.1	15.0	<-

Average %D = 49.6

Data File: /chem/GC_C.i/C042007-2.b/C#B-004f0401.d Page 1
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-004f0401.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 15:54
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.267	0.001	177841543	3500.00	5198.0(A)
10 Chlorpyrifos	5.380	5.379	0.001	148902511	175.000	260.15
14 Isodrin	5.766	5.763	0.003	317504956	175.000	261.59
13 Dicofol	5.663	5.661	0.002	26536685	350.000	427.30
16 2,4'-DDE	6.086	6.084	0.002	49347999	35.0000	53.442
21 2,4'-DDD	6.672	6.671	0.001	44259234	35.0000	50.685
23 Chlorobenzilate	6.871	6.869	0.002	46820712	350.000	523.06(A)
25 2,4'-DDT	7.047	7.047	0.000	43528886	35.0000	52.043
28 Kepone	7.316	7.316	0.000	18856905	350.000	263.10(A)
36 DBPP	11.592	11.592	0.000	95599209	1750.00	3623.4

QC Flag Legend

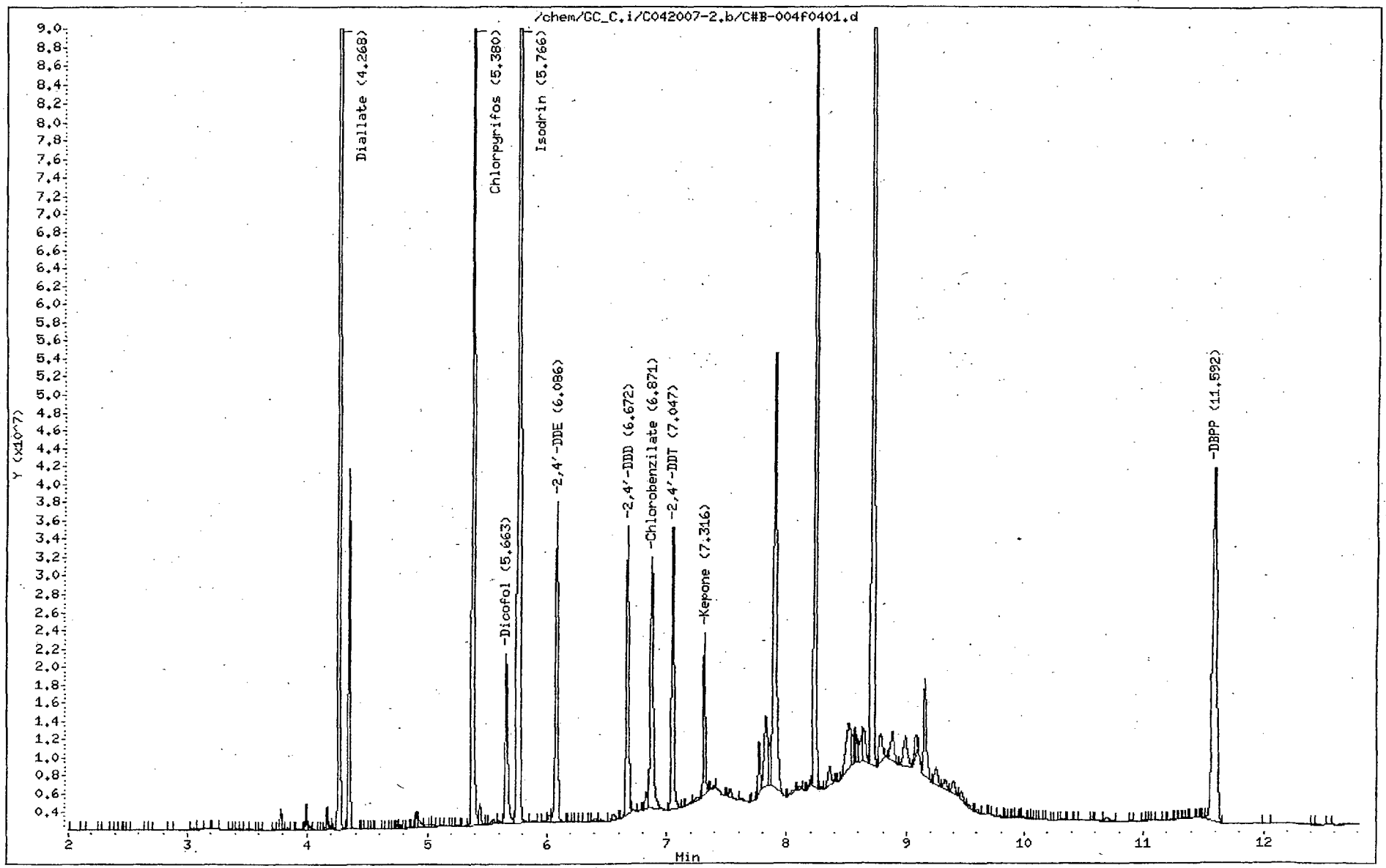
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-2.b/C#B-004f0401.d
Date : 20-APR-2007 15:54
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-005f0501.d
Analysis Type: NONE

Injection Date: 20-APR-2007 16:11
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
22 Tetrachloro-m-xylene	50.0000	50.1928	0.4	15.0
127 Hexachlorobenzene	50.0000	50.5088	1.0	15.0
1 alpha-BHC	50.0000	49.7362	0.5	15.0
5 gamma-BHC (Lindane)	50.0000	48.8938	2.2	15.0
2 beta-BHC	50.0000	50.1920	0.4	15.0
17 Heptachlor	50.0000	50.8310	1.7	15.0
3 delta-BHC	50.0000	49.1344	1.7	15.0
10 Aldrin	50.0000	49.9587	0.1	15.0
18 Heptachlor epoxide	50.0000	50.7908	1.6	15.0
6 gamma-Chlordane	50.0000	49.3576	1.3	15.0
100 alpha-Chlordane	50.0000	49.3334	1.3	15.0
12 Endosulfan I	50.0000	50.9918	2.0	15.0
8 4,4'-DDE	50.0000	51.5798	3.2	15.0
57 Dieldrin	50.0000	50.1388	0.3	15.0
15 Endrin	50.0000	53.4272	6.9	15.0
7 4,4'-DDD	50.0000	50.0768	0.2	15.0
101 Endosulfan II	50.0000	51.7420	3.5	15.0
102 4,4'-DDT	50.0000	54.1264	8.3	15.0
16 Endrin aldehyde	50.0000	50.9246	1.8	15.0
14 Endosulfan sulfate	50.0000	50.9290	1.9	15.0
103 Methoxychlor	50.0000	55.8989	11.8	15.0
17 Endrin ketone	50.0000	50.2721	0.5	15.0
106 Mirex	50.0000	50.3142	0.6	15.0
21 Decachlorobiphenyl	50.0000	50.9377	1.9	15.0

Average %D = 2.29

Data File: /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 16:11
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

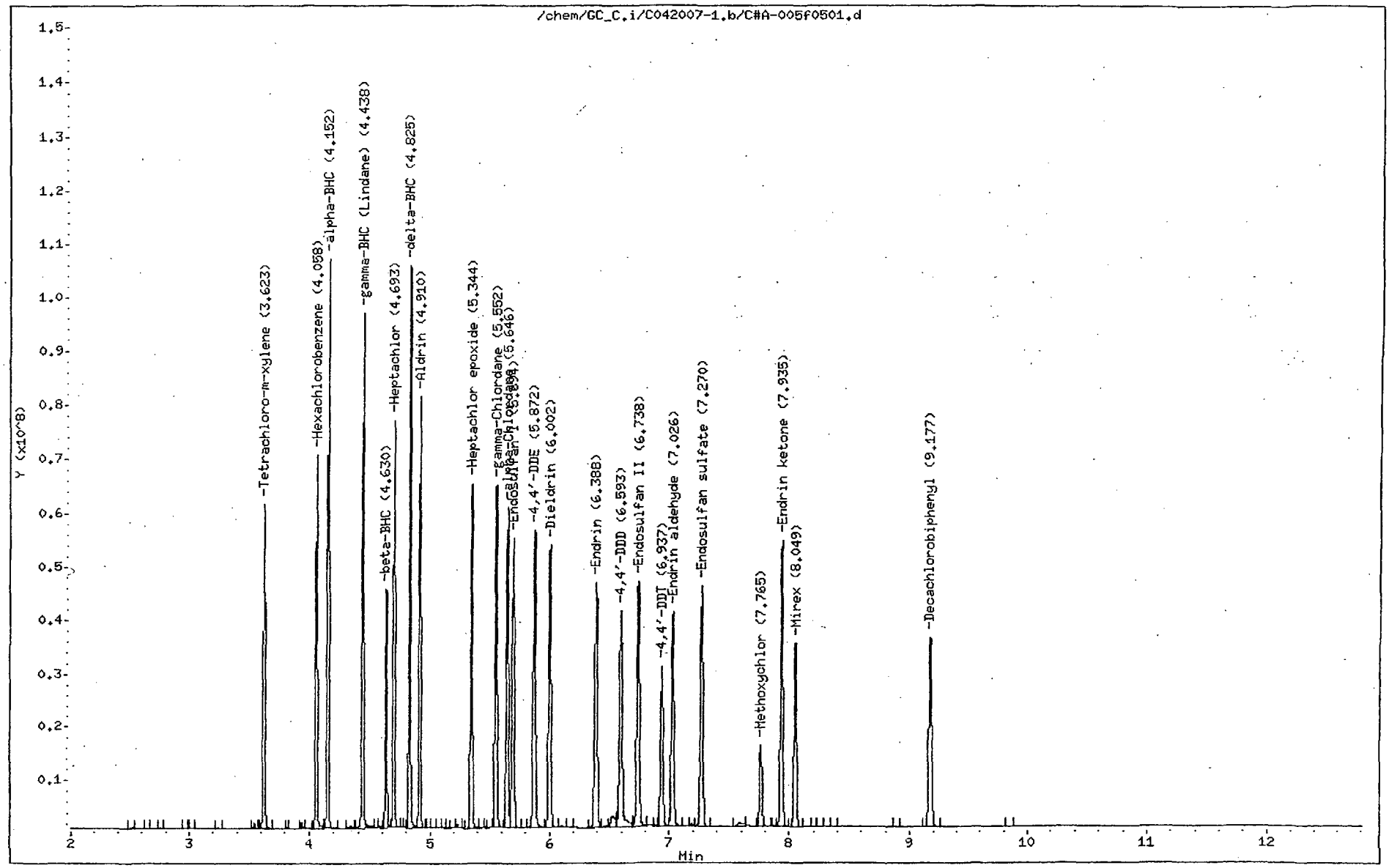
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.623	3.621	0.002	57676995	50.0000	50.193
3 Hexachlorobenzene	4.058	4.056	0.002	61103192	50.0000	50.509
4 alpha-BHC	4.152	4.149	0.003	88879354	50.0000	49.736
5 gamma-BHC (Lindane)	4.438	4.436	0.002	81927007	50.0000	48.894
7 beta-BHC	4.630	4.629	0.001	34893188	50.0000	50.192
8 Heptachlor	4.693	4.691	0.002	65754394	50.0000	50.831
9 delta-BHC	4.825	4.823	0.002	86200487	50.0000	49.134
10 Aldrin	4.910	4.909	0.001	74560625	50.0000	49.959
13 Heptachlor epoxide	5.344	5.341	0.003	66879182	50.0000	50.791
14 gamma-Chlordane	5.552	5.549	0.003	71469276	50.0000	49.358
17 alpha-Chlordane	5.646	5.643	0.003	69261992	50.0000	49.333
18 Endosulfan I	5.694	5.691	0.003	65193521	50.0000	50.992
19 4,4'-DDE	5.872	5.868	0.004	72397163	50.0000	51.580
20 Dieldrin	6.002	5.997	0.005	70434968	50.0000	50.139
23 Endrin	6.388	6.382	0.006	68770193	50.0000	53.427
26 4,4'-DDD	6.593	6.589	0.004	64747560	50.0000	50.077
27 Endosulfan II	6.738	6.734	0.004	66164151	50.0000	51.742
28 4,4'-DDT	6.937	6.933	0.004	40523769	50.0000	54.126
29 Endrin aldehyde	7.026	7.022	0.004	54266049	50.0000	50.924
30 Endosulfan sulfate	7.270	7.267	0.003	60274445	50.0000	50.929
31 Methoxychlor	7.765	7.762	0.003	19781593	50.0000	55.899
32 Endrin ketone	7.935	7.933	0.002	67187762	50.0000	50.272
33 Mirex	8.049	8.047	0.002	45666054	50.0000	50.314
$ 34 Decachlorobiphenyl	9.177	9.175	0.002	53402663	50.0000	50.938

Data File: /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Date : 20-APR-2007 16:11
Client ID:
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-005f0501.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-005f0501.d
Analysis Type: NONE

Injection Date: 20-APR-2007 16:11
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24 Tetrachloro-m-xylene	50.0000	50.8019	1.6	15.0
2 alpha-BHC	50.0000	49.9919	0.0	15.0
133 Hexachlorobenzene	50.0000	50.9191	1.8	15.0
5 gamma-BHC (Lindane)	50.0000	48.9401	2.1	15.0
2 beta-BHC	50.0000	49.2010	1.6	15.0
4 delta-BHC	50.0000	49.9262	0.1	15.0
122 Heptachlor	50.0000	51.5481	3.1	15.0
1 Aldrin	50.0000	49.6852	0.6	15.0
19 Heptachlor epoxide	50.0000	50.3680	0.7	15.0
7 gamma-Chlordane	50.0000	49.1361	1.7	15.0
6 alpha-Chlordane	50.0000	48.8242	2.4	15.0
12 Endosulfan I	50.0000	49.6411	0.7	15.0
9 4,4'-DDE	50.0000	49.3859	1.2	15.0
11 Dieldrin	50.0000	49.5972	0.8	15.0
15 Endrin	50.0000	52.8502	5.7	15.0
8 4,4'-DDD	50.0000	45.9800	8.0	15.0
13 Endosulfan II	50.0000	46.7468	6.5	15.0
16 Endrin aldehyde	50.0000	48.6596	2.7	15.0
10 4,4'-DDT	50.0000	49.6933	0.6	15.0
14 Endosulfan sulfate	50.0000	49.3426	1.3	15.0
21 Methoxychlor	50.0000	49.3515	1.3	15.0
17 Endrin ketone	50.0000	46.6256	6.7	15.0
22 Mirex	50.0000	48.9045	2.2	15.0
23 Decachlorobiphenyl	50.0000	49.4450	1.1	15.0

Average %D = 2.28

Data File: /chem/GC_C.i/C042007-2.b/C#B-005f0501.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-005f0501.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 16:11
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.140	4.137	0.003	60079893	50.0000	50.802
3 alpha-BHC	4.468	4.466	0.002	94674688	50.0000	49.992
4 Hexachlorobenzene	4.525	4.523	0.002	66612243	50.0000	50.919
5 gamma-BHC (Lindane)	4.714	4.712	0.002	79757895	50.0000	48.940
6 beta-BHC	4.928	4.925	0.003	37613634	50.0000	49.201
8 delta-BHC	5.122	5.119	0.003	89958243	50.0000	49.926
9 Heptachlor	5.166	5.162	0.004	72588965	50.0000	51.548
12 Aldrin	5.444	5.442	0.002	78774278	50.0000	49.685
15 Heptachlor epoxide	5.888	5.885	0.003	72996685	50.0000	50.368
17 gamma-Chlordane	6.269	6.266	0.003	76502168	50.0000	49.136
18 alpha-Chlordane	6.330	6.326	0.004	73530188	50.0000	48.824
19 Endosulfan I	6.373	6.368	0.005	67290901	50.0000	49.641
20 4,4'-DDE	6.556	6.551	0.005	75192607	50.0000	49.386
22 Dieldrin	6.703	6.698	0.005	75347427	50.0000	49.597
24 Endrin	6.979	6.976	0.003	69994409	50.0000	52.850
26 4,4'-DDD	7.198	7.194	0.004	61455788	50.0000	45.980
27 Endosulfan II	7.306	7.302	0.004	62486099	50.0000	46.747
29 Endrin aldehyde	7.434	7.432	0.002	53555066	50.0000	48.660
30 4,4'-DDT	7.549	7.547	0.002	34521412	50.0000	49.693
31 Endosulfan sulfate	7.760	7.757	0.003	57210088	50.0000	49.343
32 Methoxychlor	8.061	8.058	0.003	17762204	50.0000	49.352
33 Endrin ketone	8.198	8.196	0.002	61369570	50.0000	46.626
34 Mirex	8.713	8.710	0.003	40479781	50.0000	48.904
$ 35 Decachlorobiphenyl	9.991	9.987	0.004	51455369	50.0000	49.445

Data File: /chem/GC_C.i/C042007-2.b/C#B-005f0501.d

Date : 20-APR-2007 16:11

Client ID:

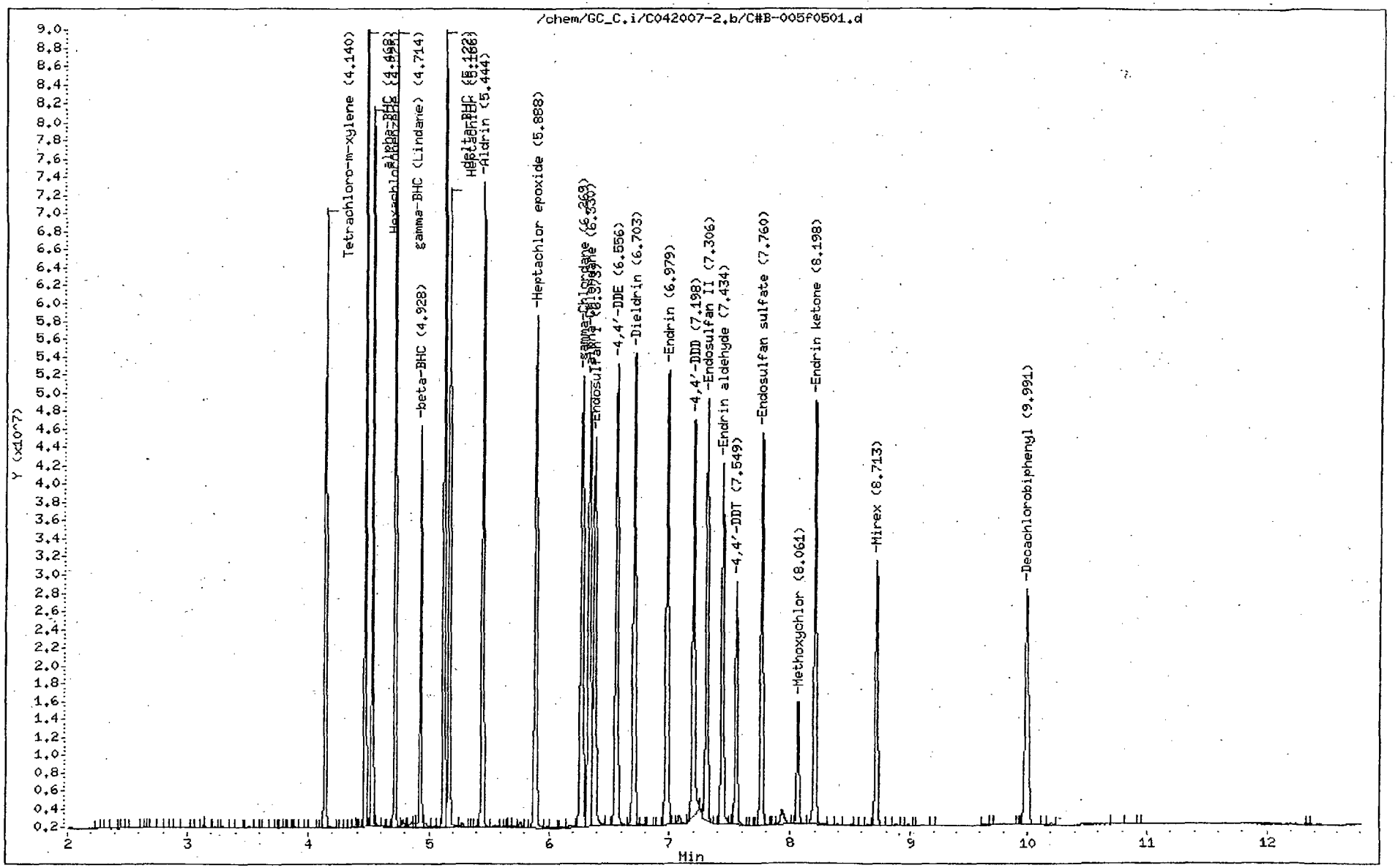
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 20-APR-2007 16:27
Lab File ID: C#A-006f0601.d
Lab Sample ID: TOX L1 GSV119006
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	217.0624	8.5	15.0

Average %D = 8.53

Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 20-APR-2007 16:27
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.599	5.599	0.000	4012406	200.000	213.02	80.00- 120.00	100.00(M)
5.963	5.963	0.000	3661533	200.000	224.91	73.00- 109.51	91.26
6.605	6.604	0.001	8637439	200.000	219.98	172.21- 258.32	215.27
7.037	7.036	0.001	4735462	200.000	206.44	94.42- 141.62	118.02
7.578	7.579	-0.001	5603876	200.000	220.96	111.73- 167.60	139.66

Average of Peak Amounts = 217

QC Flag Legend

M - Compound response manually integrated.

513

Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Date : 20-APR-2007 16:27
Client ID:
Sample Info: TOX L1 GSV119006

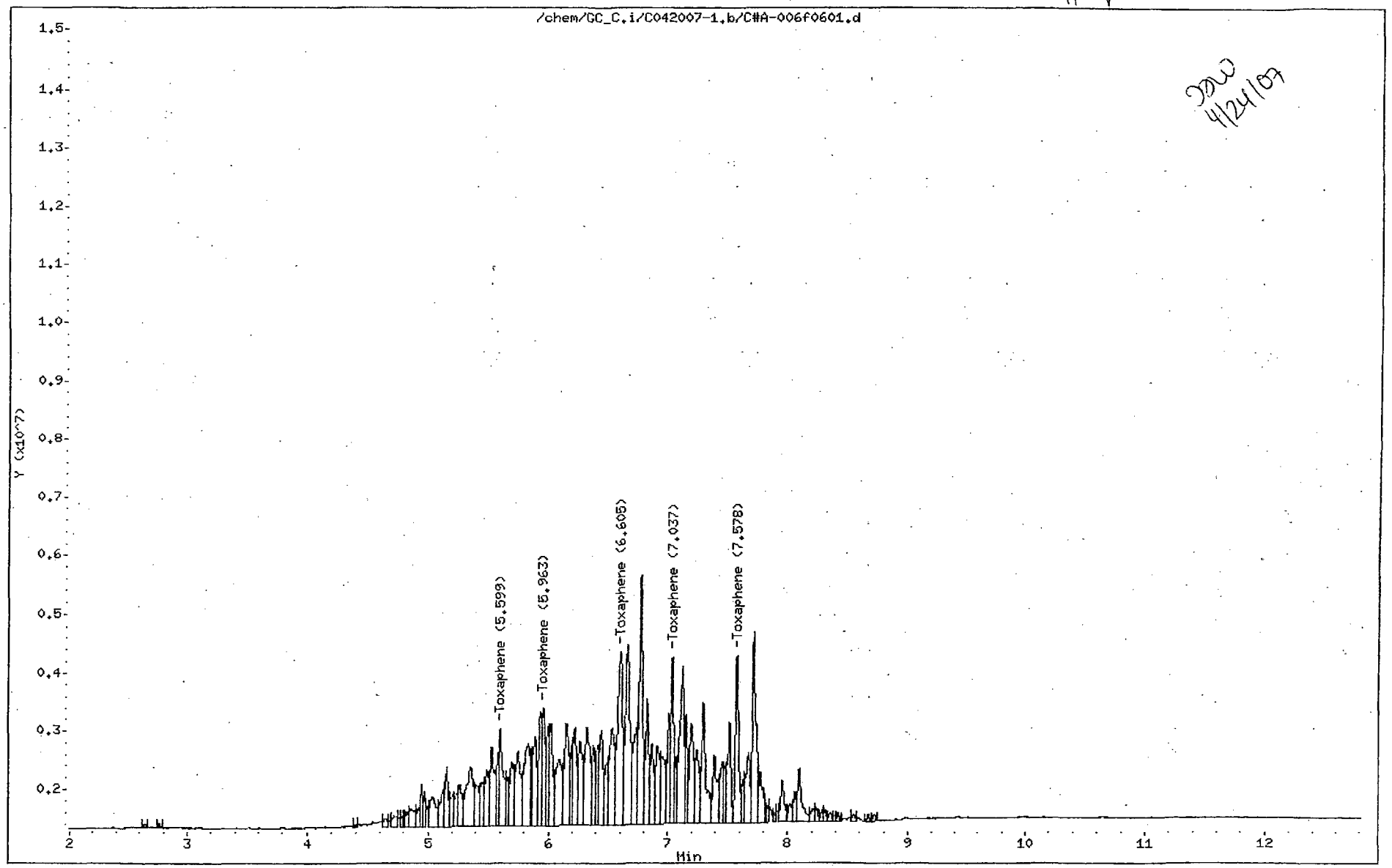
Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

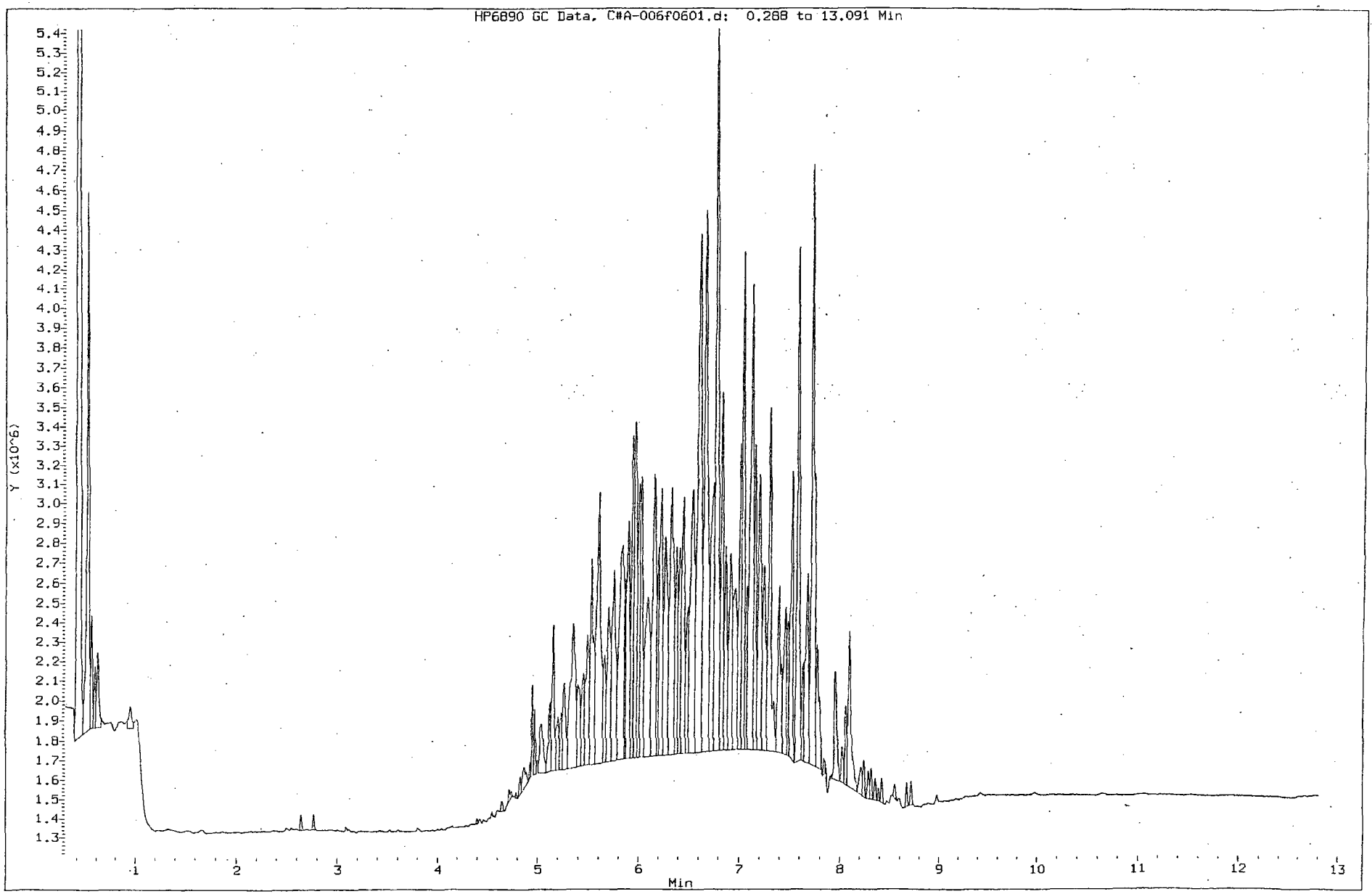
4/23/07 MPK



JDW 4/24/07

ORIGINAL

Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Injection Date: 20-APR-2007 16:27
Instrument: GC_C.i
Client Sample ID:



Data File: /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 20-APR-2007 19:26
Lab File ID: C#A-017f1701.d
Lab Sample ID: AP9 L4 GSV000507
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	5245.3010	49.9	15.0	<-
118 chlorpyrifos	175.0000	261.7844	49.6	15.0	<-
119 Isodrin/Dicofol	175.0000	268.0250	53.2	15.0	<-
121 2,4'-DDE	35.0000	53.4970	52.8	15.0	<-
122 2,4'-DDD	35.0000	51.5245	47.2	15.0	<-
125 Chlorobenzilate	350.0000	507.9167	45.1	15.0	<-
123 2,4'-DDT	35.0000	52.8013	50.9	15.0	<-
124 Kepone	350.0000	514.6159	47.0	53.0	
126 DBPP	1750.0000	3649.3658	108.5	15.0	<-

CL
4/24/07

Average %D = 56.0

Data File: /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Report Date: 23-Apr-2007 08:55

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 19:26
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:55 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.894	3.892	0.002	180553789	3500.00	5245.3(A)
11 chlorpyrifos	5.026	5.026	0.000	146631615	175.000	261.78
12 Isodrin/Dicofol	5.226	5.226	0.000	330916165	175.000	268.02(A)
15 2,4'-DDE	5.562	5.561	0.001	49242518	35.0000	53.497
21 2,4'-DDD	6.098	6.097	0.001	42385589	35.0000	51.524
22 Chlorobenzilate	6.226	6.226	0.000	42210963	350.000	507.92(A)
24 2,4'-DDT	6.456	6.455	0.001	42713520	35.0000	52.801
25 Kepone	6.512	6.511	0.001	214114116	350.000	514.62(A)
35 DBPP	11.236	11.235	0.001	212654125	1750.00	3649.4

QC Flag Legend

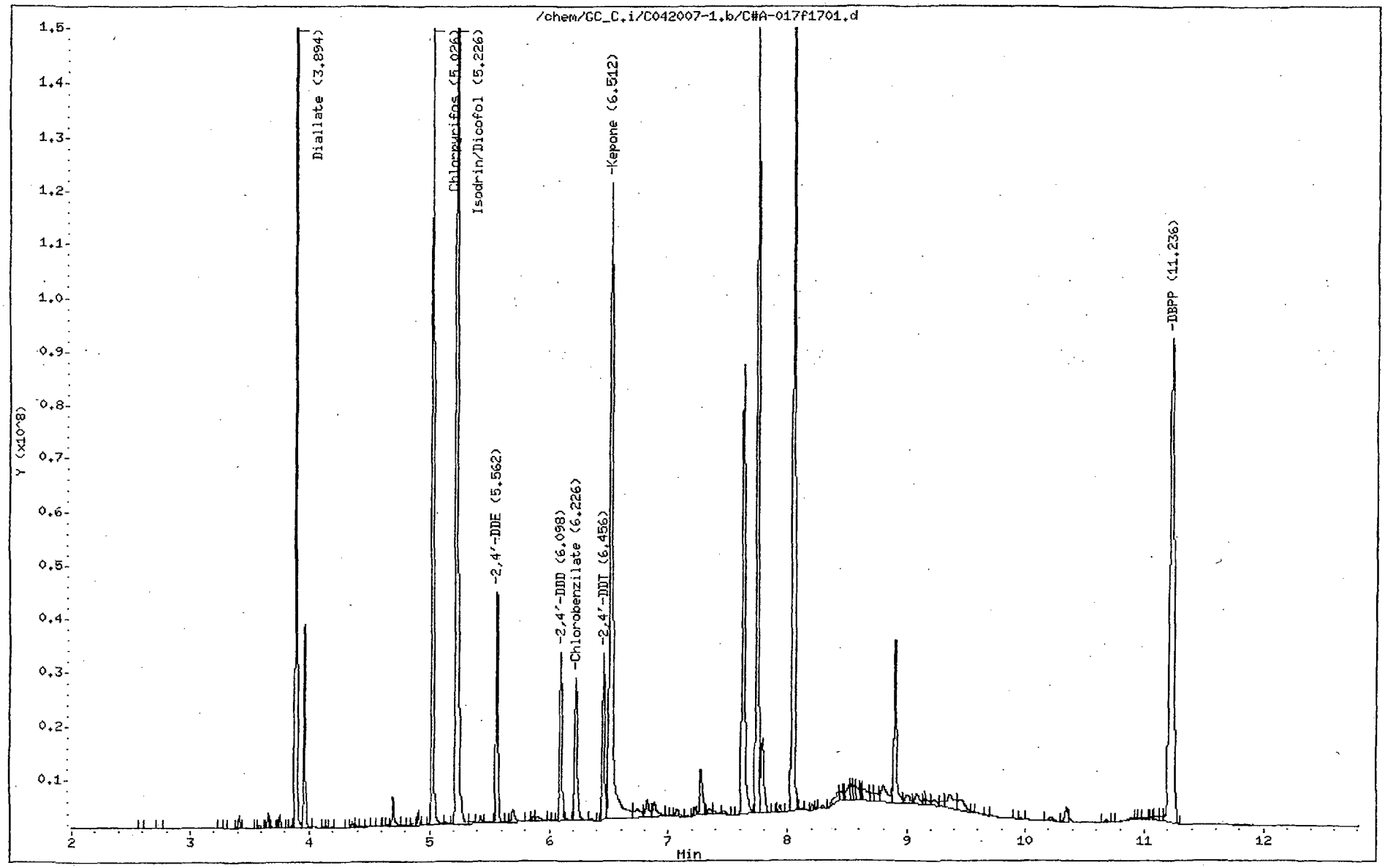
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Date : 20-APR-2007 19:26
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 20-APR-2007 19:26
Lab File ID: C#B-017f1701.d
Lab Sample ID: AP9 L4 GSV000507
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	5184.3463	48.1	15.0	<-
124 Chlorpyrifos	175.0000	261.8839	49.6	15.0	<-
134 Dicofol	350.0000	643.3502	83.8	15.0	<-
125 Isodrin	175.0000	263.9239	50.8	15.0	<-
127 2,4'-DDE	35.0000	54.2762	55.1	15.0	<-
128 2,4'-DDD	35.0000	58.2104	66.3	15.0	<-
131 Chlorobenzilate	350.0000	735.8080	110.2	15.0	<-
129 2,4'-DDT	35.0000	61.7955	76.6	15.0	<-
130 Kepone	350.0000	444.7516	27.1	53.0	
132 DBPP	1750.0000	3082.0923	76.1	15.0	<-

Average %D = 64.4

Data File: /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Report Date: 23-Apr-2007 09:01

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 19:26
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:01 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.269	4.267	0.002	177383503	3500.00	5184.3(A)
10 Chlorpyrifos	5.381	5.379	0.002	149784885	175.000	261.88
14 Isodrin	5.766	5.763	0.003	319994263	175.000	263.92
13 Dicofol	5.665	5.661	0.004	35162880	350.000	643.35
16 2,4'-DDE	6.086	6.084	0.002	50112733	35.0000	54.276
21 2,4'-DDD	6.673	6.671	0.002	50323040	35.0000	58.210
23 Chlorobenzilate	6.871	6.869	0.002	61069119	350.000	735.81(A)
25 2,4'-DDT	7.049	7.047	0.002	51567167	35.0000	61.796
28 Kepone	7.315	7.316	-0.001	41528957	350.000	444.75(A)
36 DBPP	11.591	11.592	-0.001	68568470	1750.00	3082.1

QC Flag Legend

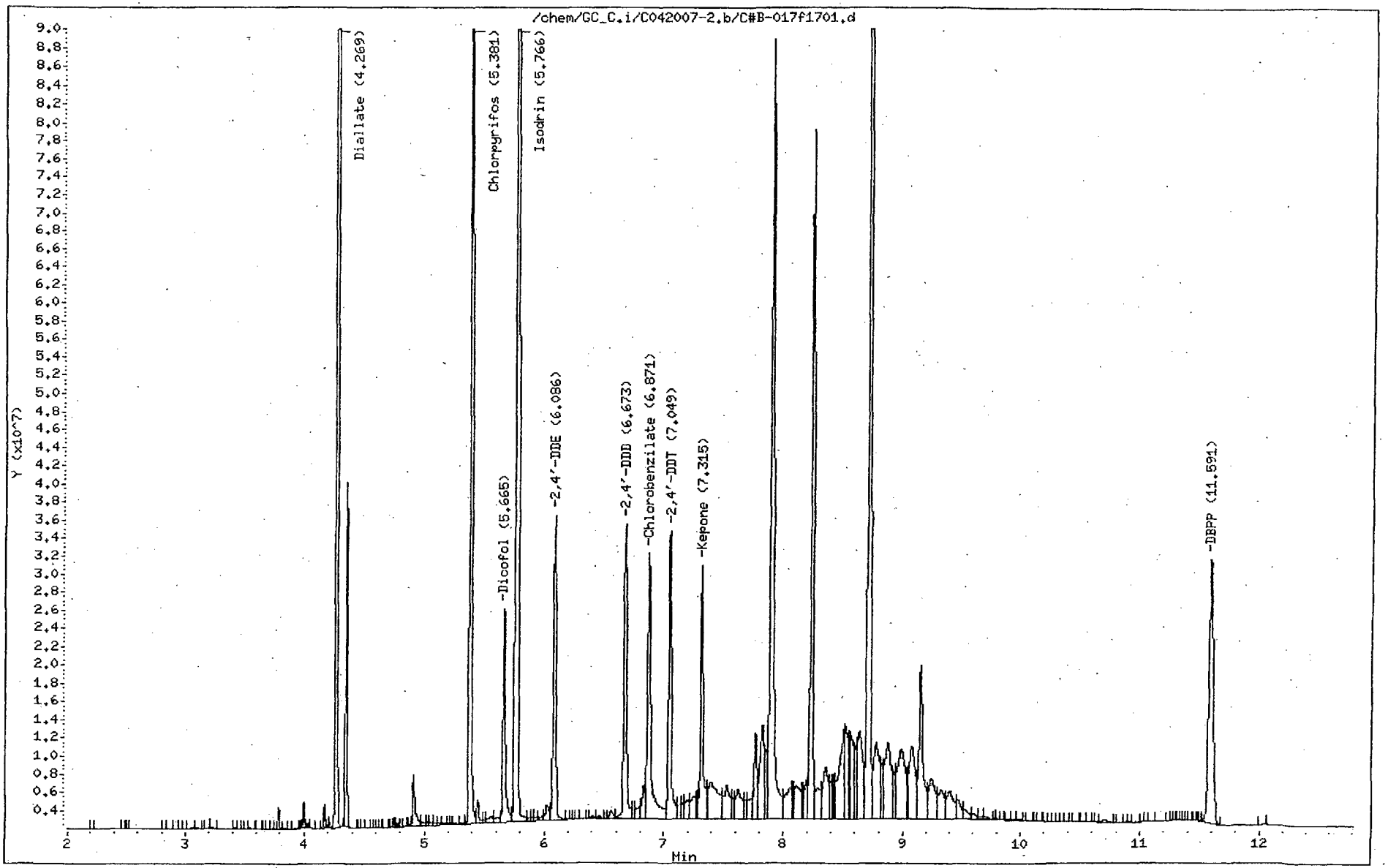
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Date : 20-APR-2007 19:26
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-018f1801.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-018f1801.d
Analysis Type: NONE

Injection Date: 20-APR-2007 19:42
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
22 Tetrachloro-m-xylene	50.0000	50.8101	1.6	15.0
127 Hexachlorobenzene	50.0000	51.8366	3.7	15.0
1 alpha-BHC	50.0000	50.4553	0.9	15.0
5 gamma-BHC (Lindane)	50.0000	49.4728	1.1	15.0
2 beta-BHC	50.0000	50.8333	1.7	15.0
17 Heptachlor	50.0000	51.4323	2.9	15.0
3 delta-BHC	50.0000	49.8144	0.4	15.0
10 Aldrin	50.0000	50.2848	0.6	15.0
18 Heptachlor epoxide	50.0000	50.9920	2.0	15.0
6 gamma-Chlordane	50.0000	50.0432	0.1	15.0
100 alpha-Chlordane	50.0000	49.7834	0.4	15.0
12 Endosulfan I	50.0000	51.4224	2.8	15.0
8 4,4'-DDE	50.0000	51.8545	3.7	15.0
57 Dieldrin	50.0000	51.2305	2.5	15.0
15 Endrin	50.0000	52.2422	4.5	15.0
7 4,4'-DDD	50.0000	51.3077	2.6	15.0
101 Endosulfan II	50.0000	52.0511	4.1	15.0
102 4,4'-DDT	50.0000	54.3844	8.8	15.0
16 Endrin aldehyde	50.0000	52.3049	4.6	15.0
14 Endosulfan sulfate	50.0000	51.3452	2.7	15.0
103 Methoxychlor	50.0000	55.7034	11.4	15.0
17 Endrin ketone	50.0000	51.4600	2.9	15.0
106 Mirex	50.0000	51.4283	2.9	15.0
21 Decachlorobiphenyl	50.0000	51.5482	3.1	15.0

Average %D = 2.99

Data File: /chem/GC_C.i/C042007-1.b/C#A-018f1801.d
Report Date: 23-Apr-2007 08:56

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-018f1801.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 19:42
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:56 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.624	3.621	0.003	58377912	50.0000	50.810
3 Hexachlorobenzene	4.059	4.056	0.003	62709390	50.0000	51.836
4 alpha-BHC	4.151	4.149	0.002	90164490	50.0000	50.455
5 gamma-BHC (Lindane)	4.439	4.436	0.003	82897208	50.0000	49.473
7 beta-BHC	4.630	4.629	0.001	35332491	50.0000	50.833
8 Heptachlor	4.694	4.691	0.003	66532142	50.0000	51.432
9 delta-BHC	4.825	4.823	0.002	87393420	50.0000	49.814
10 Aldrin	4.910	4.909	0.001	75047302	50.0000	50.285
13 Heptachlor epoxide	5.343	5.341	0.002	67140596	50.0000	50.992
14 gamma-Chlordane	5.552	5.549	0.003	72461977	50.0000	50.043
17 alpha-Chlordane	5.645	5.643	0.002	69893676	50.0000	49.783
18 Endosulfan I	5.694	5.691	0.003	65737226	50.0000	51.422
19 4,4'-DDE	5.871	5.868	0.003	72776028	50.0000	51.854
20 Dieldrin	6.000	5.997	0.003	71952679	50.0000	51.230
23 Endrin	6.386	6.382	0.004	67244903	50.0000	52.242
26 4,4'-DDD	6.592	6.589	0.003	66314338	50.0000	51.308
27 Endosulfan II	6.739	6.734	0.005	66538640	50.0000	52.051
28 4,4'-DDT	6.936	6.933	0.003	40732200	50.0000	54.384
29 Endrin aldehyde	7.025	7.022	0.003	55697549	50.0000	52.305
30 Endosulfan sulfate	7.270	7.267	0.003	60740696	50.0000	51.345
31 Methoxychlor	7.766	7.762	0.004	19712420	50.0000	55.703
32 Endrin ketone	7.936	7.933	0.003	68681292	50.0000	51.460
33 Mirex	8.049	8.047	0.002	46654009	50.0000	51.428
$ 34 Decachlorobiphenyl	9.177	9.175	0.002	54028873	50.0000	51.548

Data File: /chem/GC_C.i/C042007-1.b/C#A-018f1801.d

Date : 20-APR-2007 19:42

Client ID:

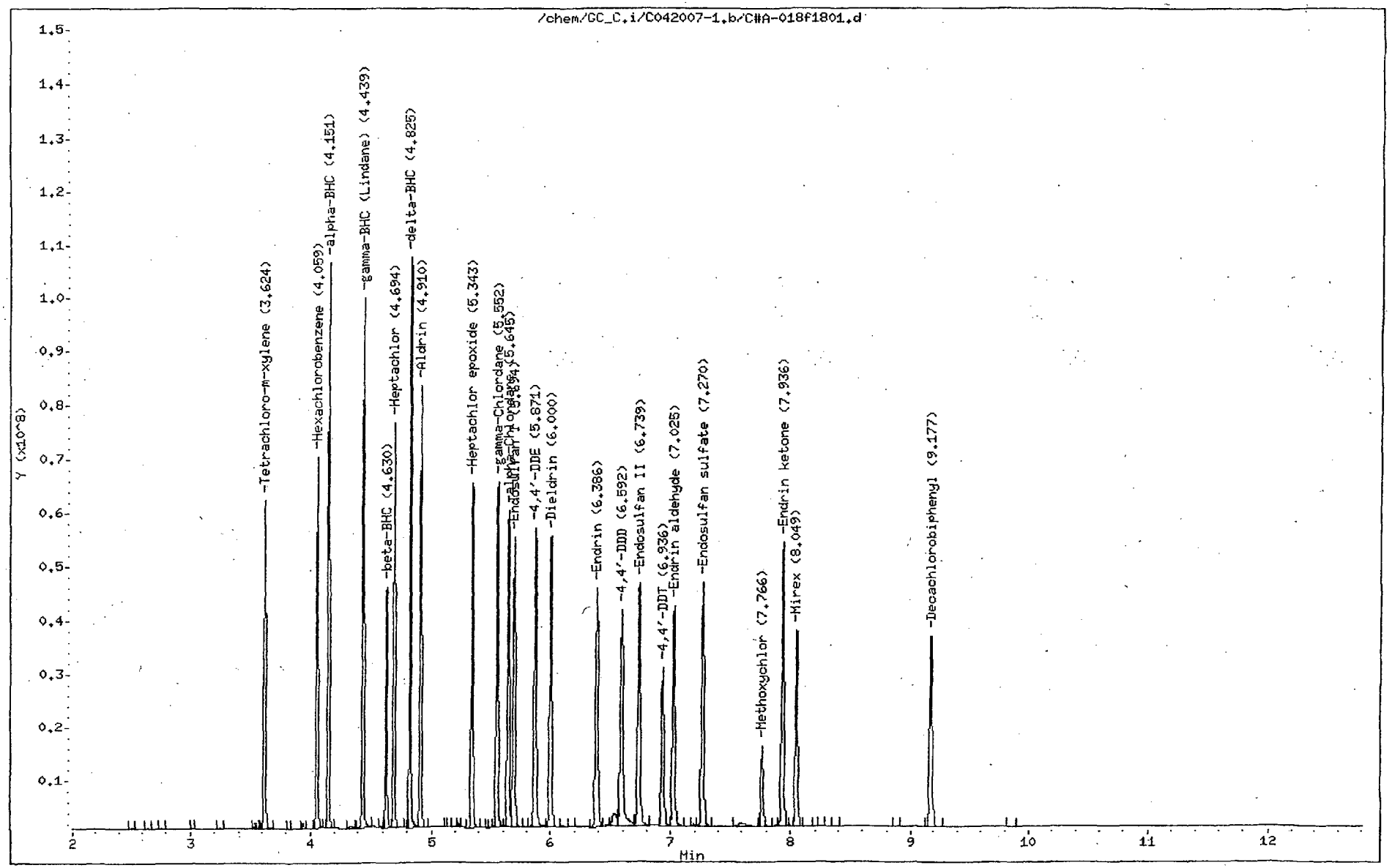
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-018f1801.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-018f1801.d
Analysis Type: NONE

Injection Date: 20-APR-2007 19:42
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24 Tetrachloro-m-xylene	50.0000	51.5695	3.1	15.0
2 alpha-BHC	50.0000	50.4786	1.0	15.0
133 Hexachlorobenzene	50.0000	51.6526	3.3	15.0
5 gamma-BHC (Lindane)	50.0000	50.2000	0.4	15.0
2 beta-BHC	50.0000	49.9532	0.1	15.0
4 delta-BHC	50.0000	50.4066	0.8	15.0
122 Heptachlor	50.0000	52.2149	4.4	15.0
1 Aldrin	50.0000	50.6256	1.3	15.0
19 Heptachlor epoxide	50.0000	50.8983	1.8	15.0
7 gamma-Chlordane	50.0000	49.6930	0.6	15.0
6 alpha-Chlordane	50.0000	49.5996	0.8	15.0
12 Endosulfan I	50.0000	51.2237	2.4	15.0
9 4,4'-DDE	50.0000	50.1409	0.3	15.0
11 Dieldrin	50.0000	50.3830	0.8	15.0
15 Endrin	50.0000	52.0282	4.1	15.0
8 4,4'-DDD	50.0000	46.6371	6.7	15.0
13 Endosulfan II	50.0000	48.3944	3.2	15.0
16 Endrin aldehyde	50.0000	50.7994	1.6	15.0
10 4,4'-DDT	50.0000	48.8728	2.3	15.0
14 Endosulfan sulfate	50.0000	50.9224	1.8	15.0
21 Methoxychlor	50.0000	49.7471	0.5	15.0
17 Endrin ketone	50.0000	48.8680	2.3	15.0
22 Mirex	50.0000	50.6193	1.2	15.0
23 Decachlorobiphenyl	50.0000	50.8195	1.6	15.0

Average %D = 1.93

Data File: /chem/GC_C.i/C042007-2.b/C#B-018f1801.d
Report Date: 23-Apr-2007 09:02

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-018f1801.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 19:42
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:02 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.140	4.137	0.003	60979216	50.0000	51.569
3 alpha-BHC	4.468	4.466	0.002	95596473	50.0000	50.479
4 Hexachlorobenzene	4.525	4.523	0.002	67552588	50.0000	51.652
5 gamma-BHC (Lindane)	4.715	4.712	0.003	81811038	50.0000	50.200
6 beta-BHC	4.927	4.925	0.002	38180918	50.0000	49.953
8 delta-BHC	5.122	5.119	0.003	90823882	50.0000	50.407
9 Heptachlor	5.166	5.162	0.004	73527987	50.0000	52.215
12 Aldrin	5.445	5.442	0.003	80265294	50.0000	50.626
15 Heptachlor epoxide	5.890	5.885	0.005	73755842	50.0000	50.898
17 gamma-Chlordane	6.270	6.266	0.004	77369299	50.0000	49.693
18 alpha-Chlordane	6.330	6.326	0.004	74698075	50.0000	49.600
19 Endosulfan I	6.373	6.368	0.005	69317426	50.0000	51.224
20 4,4'-DDE	6.556	6.551	0.005	76342112	50.0000	50.141
22 Dieldrin	6.703	6.698	0.005	76541265	50.0000	50.383
24 Endrin	6.980	6.976	0.004	68905724	50.0000	52.028
26 4,4'-DDD	7.198	7.194	0.004	62334014	50.0000	46.637
27 Endosulfan II	7.305	7.302	0.003	64688496	50.0000	48.394
29 Endrin aldehyde	7.435	7.432	0.003	55874515	50.0000	50.799
30 4,4'-DDT	7.550	7.547	0.003	33892538	50.0000	48.873
31 Endosulfan sulfate	7.760	7.757	0.003	59017548	50.0000	50.922
32 Methoxychlor	8.060	8.058	0.002	17906591	50.0000	49.747
33 Endrin ketone	8.200	8.196	0.004	64321143	50.0000	48.868
34 Mirex	8.713	8.710	0.003	41864750	50.0000	50.619
$ 35 Decachlorobiphenyl	9.991	9.987	0.004	52847314	50.0000	50.820

Data File: /chem/GC_C.i/C042007-2.b/C#B-018f1801.d

Date : 20-APR-2007 19:42

Client ID:

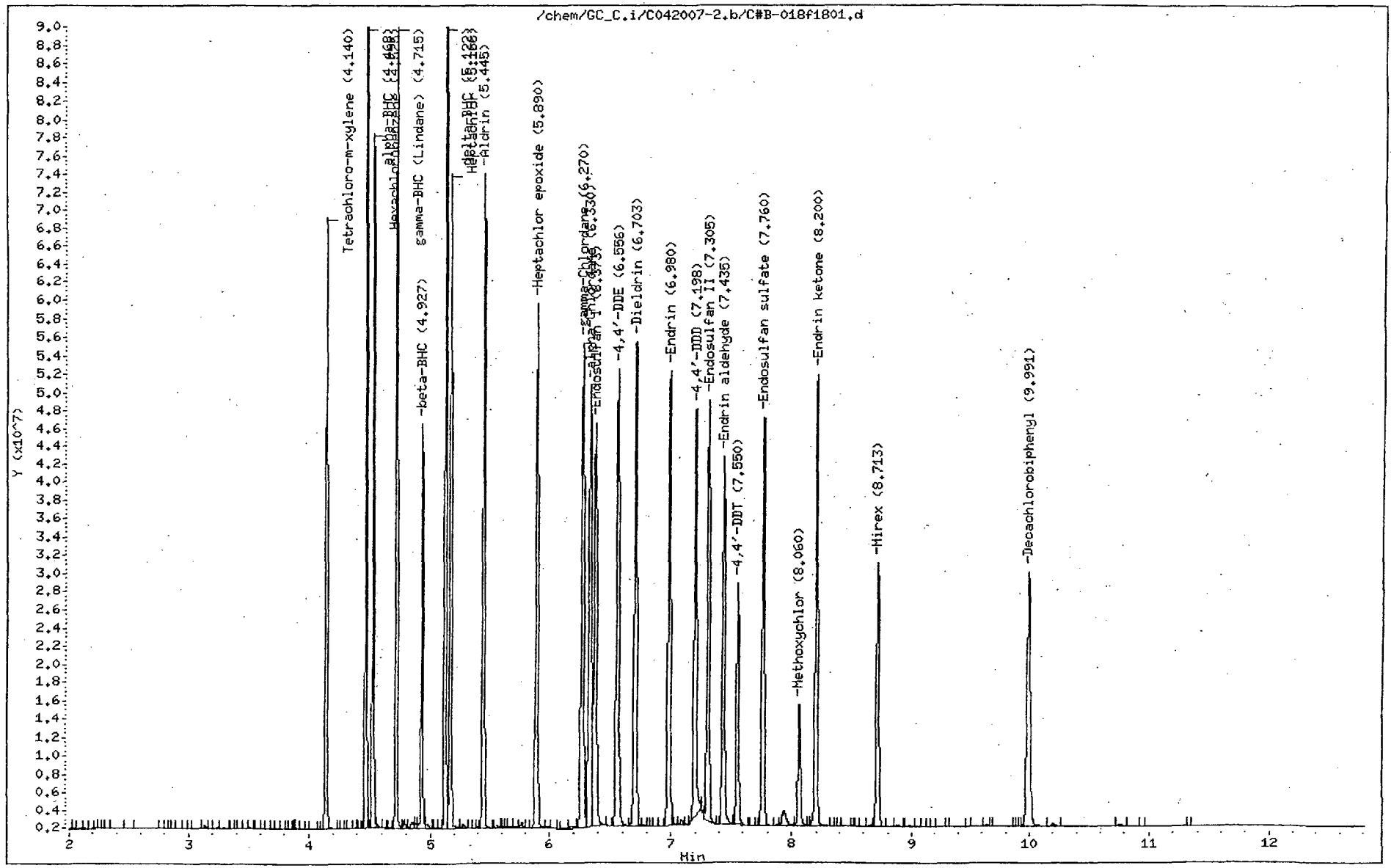
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-019f1901.d
Analysis Type: NONE

Injection Date: 20-APR-2007 19:59
Lab Sample ID: TOX L1 GSV119006
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	217.3322	8.7	15.0

Average %D = 8.67

Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Report Date: 23-Apr-2007 08:56

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 20-APR-2007 19:59
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:56 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 19 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.599	5.599	0.000	3963540	200.000	210.43	80.00- 120.00	100.00(M)
5.962	5.963	-0.001	3640374	200.000	223.61	73.48- 110.22	91.85
6.603	6.604	-0.001	8753226	200.000	222.93	176.67- 265.01	220.84
7.036	7.036	0.000	4759379	200.000	207.49	96.06- 144.09	120.08
7.577	7.579	-0.002	5635618	200.000	222.21	113.75- 170.62	142.19

Average of Peak Amounts = 217

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Date : 20-APR-2007 19:59
Client ID:
Sample Info: TOX L1 GSV119006

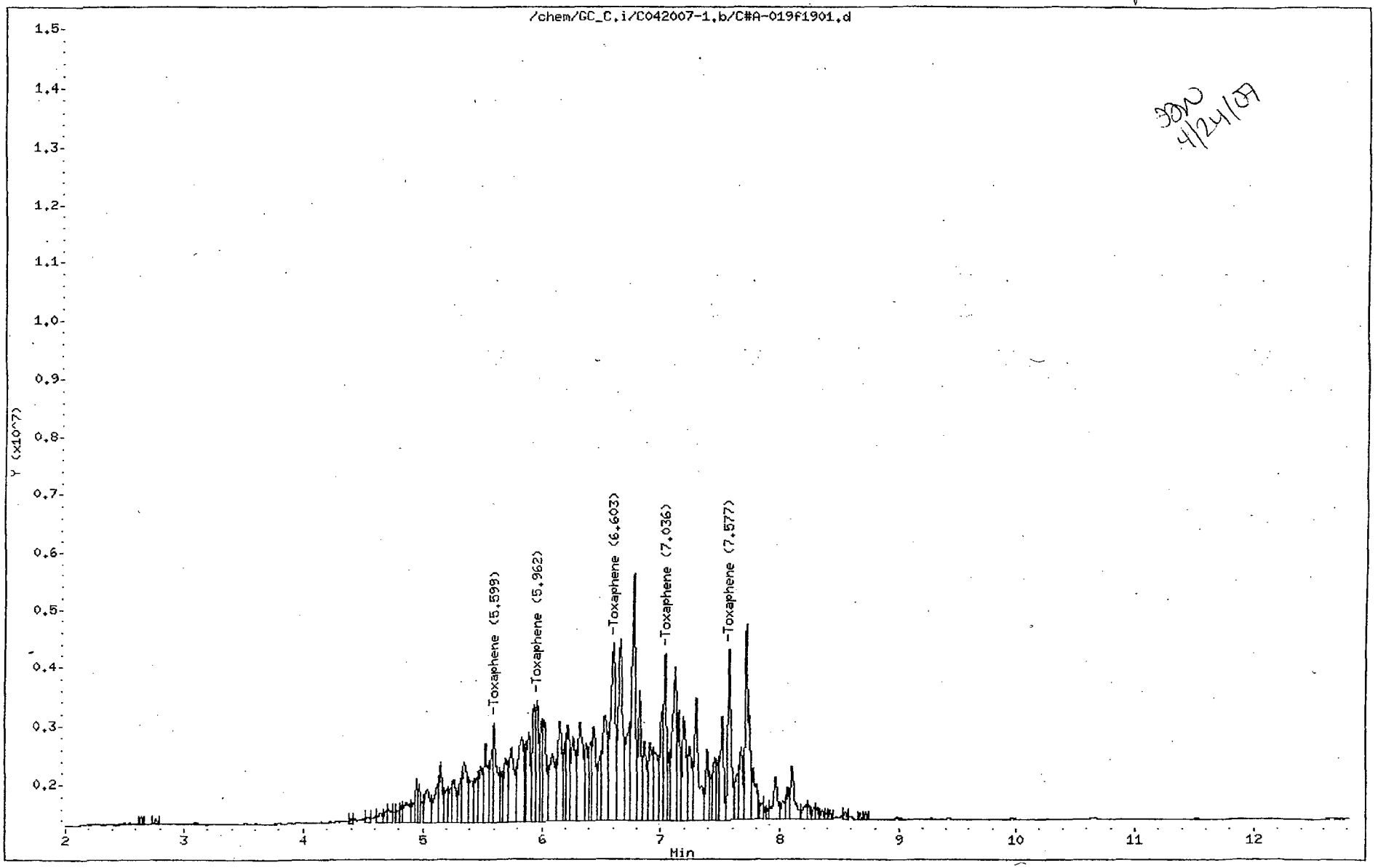
Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

4/23/07
MPK

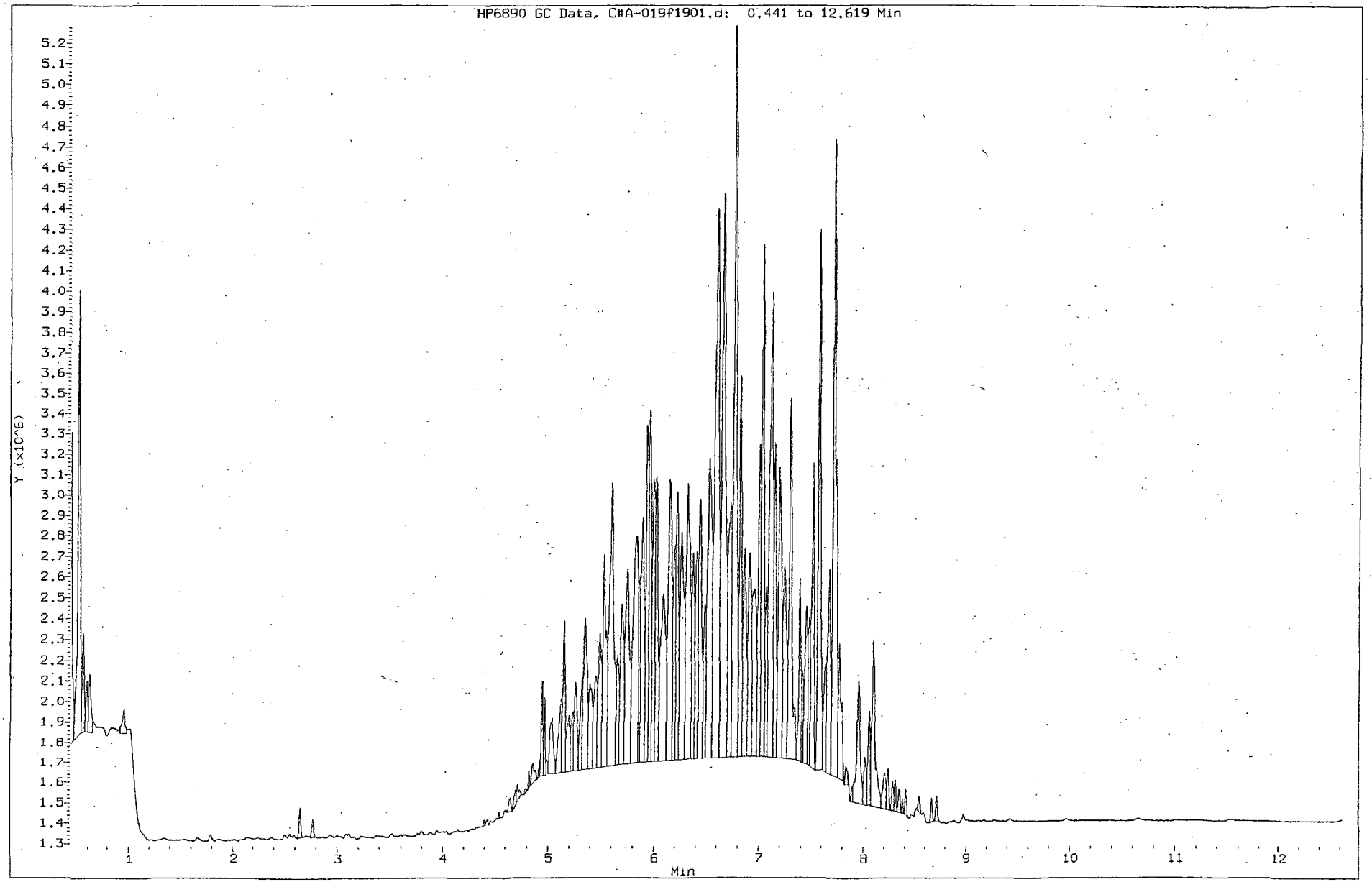


JDW
4/24/07

530

ORIGINAL

Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Injection Date: 20-APR-2007 19:59
Instrument: GC_C.i
Client Sample ID:



Data File: /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 21-APR-2007 05:59
Lab File ID: C#A-056f5601.d
Lab Sample ID: AP9 L4 GSV000507
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	5407.8443	54.5	15.0	<-
118 chlorpyrifos	175.0000	273.0290	56.0	15.0	<-
119 Isodrin/Dicofol	175.0000	268.1582	53.2	15.0	<-
121 2,4'-DDE	35.0000	55.6764	59.1	15.0	<-
122 2,4'-DDD	35.0000	53.2393	52.1	15.0	<-
125 Chlorobenzilate	350.0000	525.3660	50.1	15.0	<-
123 2,4'-DDT	35.0000	53.8507	53.9	15.0	<-
124 Kepone	350.0000	509.4744	45.6	53.0	
126 DBPP	1750.0000	3713.0236	112.2	15.0	<-

CL 4/24/07

Average %D = 59.6

Data File: /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Report Date: 23-Apr-2007 08:59

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 21-APR-2007 05:59
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 56 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.892	3.892	0.000	186056093	3500.00	5407.8(A)
11 chlorpyrifos	5.025	5.026	-0.001	152758328	175.000	273.03
12 Isodrin/Dicofol	5.225	5.226	-0.001	331058543	175.000	268.16(A)
15 2,4'-DDE	5.561	5.561	0.000	51075000	35.0000	55.676
21 2,4'-DDD	6.096	6.097	-0.001	43768178	35.0000	53.239
22 Chlorobenzilate	6.224	6.226	-0.002	43591124	350.000	525.36(A)
24 2,4'-DDT	6.453	6.455	-0.002	43562470	35.0000	53.851
25 Kepone	6.510	6.511	-0.001	211993740	350.000	509.47(A)
35 DBPP	11.228	11.235	-0.007	218971201	1750.00	3713.0

QC Flag Legend

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

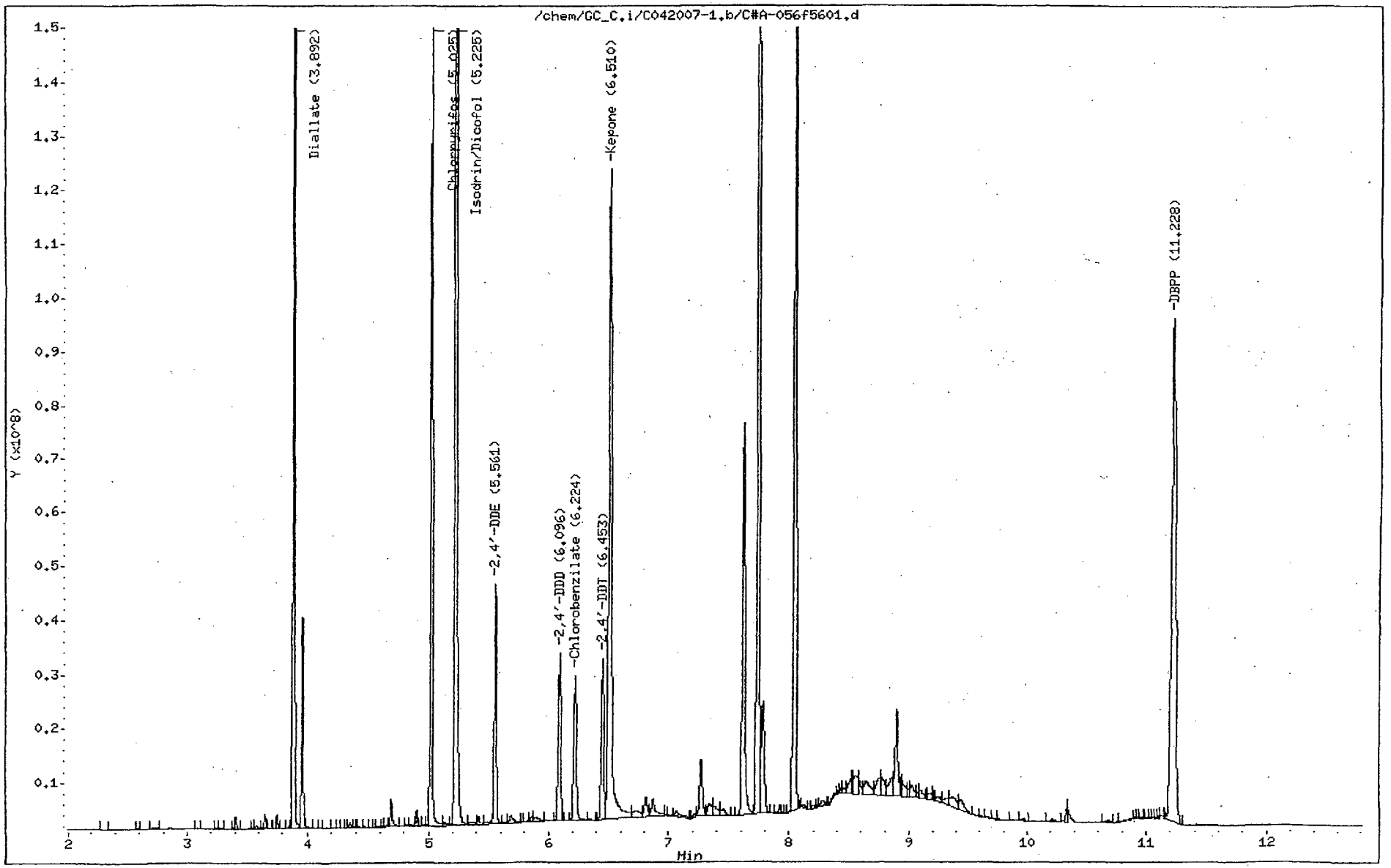
533

Data File: /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Date : 21-APR-2007 05:59
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-056f5601.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-056f5601.d
Analysis Type: NONE

Injection Date: 21-APR-2007 05:59
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	5338.2551	52.5	15.0	<-
124 Chlorpyrifos	175.0000	267.8652	53.1	15.0	<-
134 Dicofol	350.0000	328.3212	6.2	15.0	
125 Isodrin	175.0000	267.5613	52.9	15.0	<-
127 2,4'-DDE	35.0000	53.5747	53.1	15.0	<-
128 2,4'-DDD	35.0000	52.8861	51.1	15.0	<-
131 Chlorobenzilate	350.0000	502.3255	43.5	15.0	<-
129 2,4'-DDT	35.0000	58.2164	66.3	15.0	<-
130 Kepone	350.0000	274.9527	21.4	53.0	
132 DBPP	1750.0000	5000.9487	185.8	15.0	<-

Average %D = 58.6

Data File: /chem/GC_C.i/C042007-2.b/C#B-056f5601.d
Report Date: 23-Apr-2007 09:07

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-056f5601.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 21-APR-2007 05:59
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 56 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.267	4.267	0.000	182529442	3500.00	5338.2(A)
10 Chlorpyrifos	5.380	5.379	0.001	152827383	175.000	267.86
14 Isodrin	5.764	5.763	0.001	323873305	175.000	267.56
13 Dicofol	5.662	5.661	0.001	22037374	350.000	328.32
16 2,4'-DDE	6.084	6.084	0.000	49469997	35.0000	53.575
21 2,4'-DDD	6.671	6.671	0.000	46042530	35.0000	52.886
23 Chlorobenzilate	6.871	6.869	0.002	45346659	350.000	502.32(A)
25 2,4'-DDT	7.046	7.047	-0.001	48617237	35.0000	58.216
28 Kepone	7.313	7.316	-0.003	20260621	350.000	274.95(A)
36 DBPP	11.586	11.592	-0.006	245796945	1750.00	5000.9(A)

QC Flag Legend

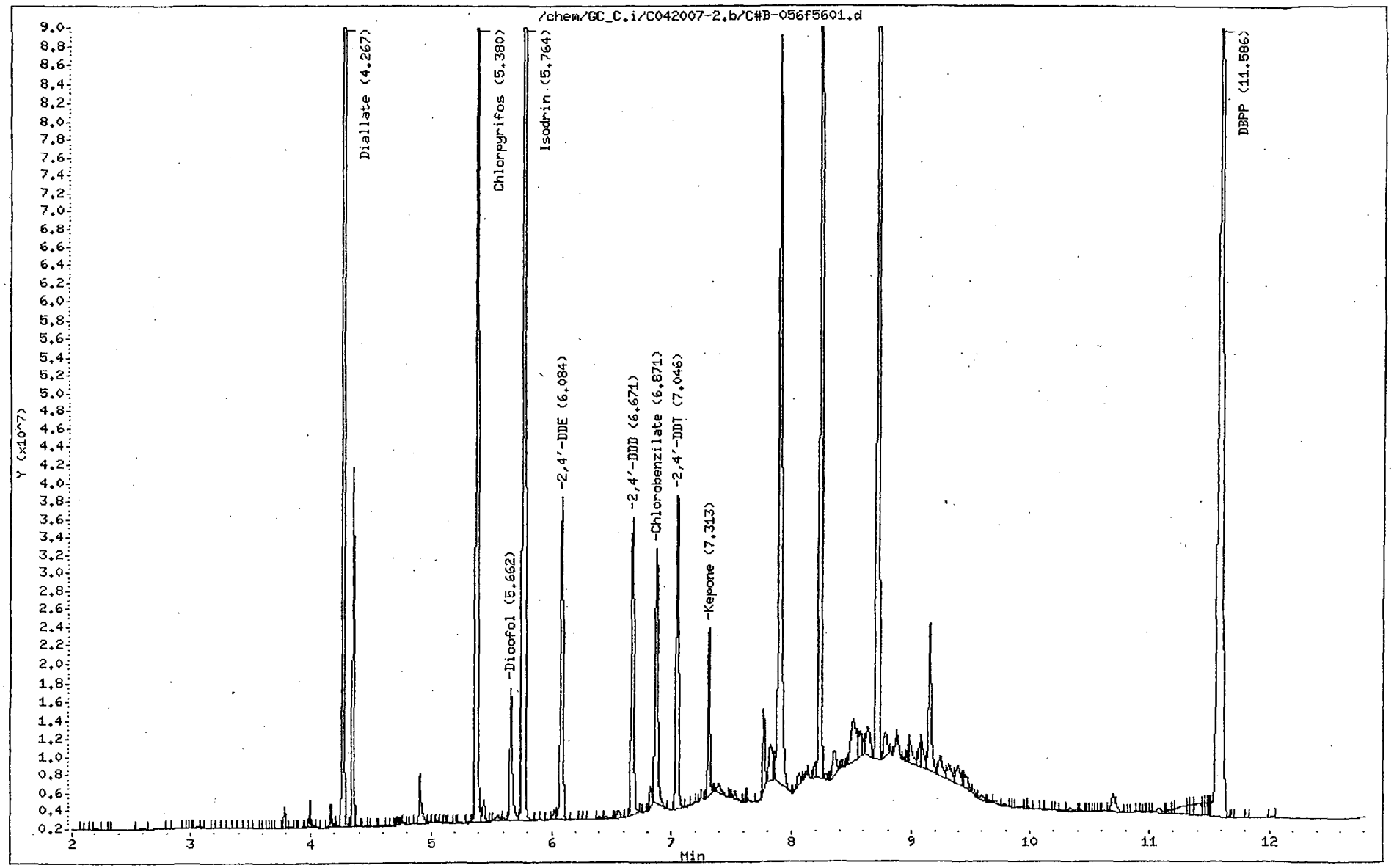
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-2.b/C#B-056f5601.d
Date : 21-APR-2007 05:59
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-057f5701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-057f5701.d
Analysis Type: NONE

Injection Date: 21-APR-2007 06:15
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
22 Tetrachloro-m-xylene	50.0000	52.4649	4.9	15.0
127 Hexachlorobenzene	50.0000	53.5059	7.0	15.0
1 alpha-BHC	50.0000	52.0014	4.0	15.0
5 gamma-BHC (Lindane)	50.0000	51.3244	2.6	15.0
2 beta-BHC	50.0000	52.2828	4.6	15.0
17 Heptachlor	50.0000	52.4758	5.0	15.0
3 delta-BHC	50.0000	51.9354	3.9	15.0
10 Aldrin	50.0000	51.7710	3.5	15.0
18 Heptachlor epoxide	50.0000	52.7444	5.5	15.0
6 gamma-Chlordane	50.0000	51.0776	2.2	15.0
100 alpha-Chlordane	50.0000	50.8457	1.7	15.0
12 Endosulfan I	50.0000	52.2837	4.6	15.0
8 4,4'-DDE	50.0000	51.8776	3.8	15.0
57 Dieldrin	50.0000	52.5292	5.1	15.0
15 Endrin	50.0000	53.4489	6.9	15.0
7 4,4'-DDD	50.0000	52.9111	5.8	15.0
101 Endosulfan II	50.0000	52.4853	5.0	15.0
102 4,4'-DDT	50.0000	52.9562	5.9	15.0
16 Endrin aldehyde	50.0000	52.8803	5.8	15.0
14 Endosulfan sulfate	50.0000	52.9057	5.8	15.0
103 Methoxychlor	50.0000	55.3302	10.7	15.0
17 Endrin ketone	50.0000	52.4057	4.8	15.0
106 Mirex	50.0000	52.9022	5.8	15.0
21 Decachlorobiphenyl	50.0000	53.0417	6.1	15.0

Average %D = 5.03

Data File: /chem/GC_C.i/C042007-1.b/C#A-057f5701.d
Report Date: 23-Apr-2007 08:59

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-057f5701.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 21-APR-2007 06:15
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.621	3.621	0.000	60256920	50.0000	52.465
3 Hexachlorobenzene	4.056	4.056	0.000	64728934	50.0000	53.506
4 alpha-BHC	4.149	4.149	0.000	92927339	50.0000	52.001
5 gamma-BHC (Lindane)	4.436	4.436	0.000	85999807	50.0000	51.324
7 beta-BHC	4.628	4.629	-0.001	36325322	50.0000	52.283
8 Heptachlor	4.691	4.691	0.000	67882030	50.0000	52.476
9 delta-BHC	4.823	4.823	0.000	91114512	50.0000	51.935
10 Aldrin	4.908	4.909	-0.001	77265281	50.0000	51.771
13 Heptachlor epoxide	5.341	5.341	0.000	69417564	50.0000	52.744
14 gamma-Chlordane	5.548	5.549	-0.001	73959781	50.0000	51.078
17 alpha-Chlordane	5.642	5.643	-0.001	71385163	50.0000	50.846
18 Endosulfan I	5.690	5.691	-0.001	66824677	50.0000	52.284
19 4,4'-DDE	5.868	5.868	0.000	72807893	50.0000	51.878
20 Dieldrin	5.996	5.997	-0.001	73758301	50.0000	52.529
23 Endrin	6.382	6.382	0.000	68798144	50.0000	53.449
26 4,4'-DDD	6.588	6.589	-0.001	68355355	50.0000	52.911
27 Endosulfan II	6.733	6.734	-0.001	67064358	50.0000	52.485
28 4,4'-DDT	6.933	6.933	0.000	39580601	50.0000	52.956
29 Endrin aldehyde	7.022	7.022	0.000	56294347	50.0000	52.880
30 Endosulfan sulfate	7.266	7.267	-0.001	62486419	50.0000	52.906
31 Methoxychlor	7.762	7.762	0.000	19580343	50.0000	55.330
32 Endrin ketone	7.932	7.933	-0.001	69868470	50.0000	52.406
33 Mirex	8.045	8.047	-0.002	47961079	50.0000	52.902
$ 34 Decachlorobiphenyl	9.173	9.175	-0.002	55560917	50.0000	53.042

Data File: /chem/GC_C.i/C042007-1.b/C#A-057f5701.d

Date : 21-APR-2007 06:15

Client ID:

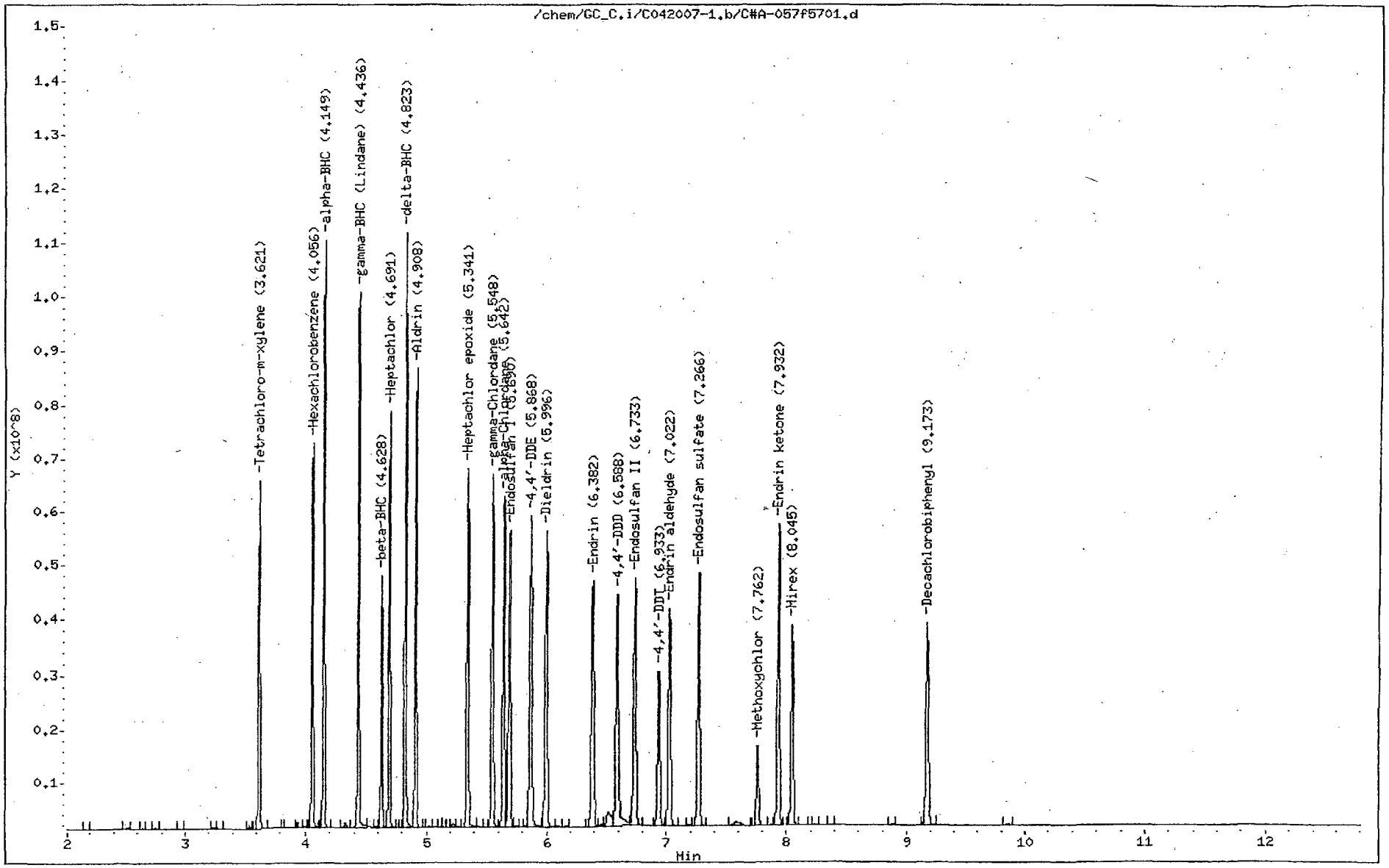
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-057f5701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-057f5701.d
Analysis Type: NONE

Injection Date: 21-APR-2007 06:15
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
24 Tetrachloro-m-xylene	50.0000	52.6640	5.3	15.0	
2 alpha-BHC	50.0000	51.4240	2.8	15.0	
133 Hexachlorobenzene	50.0000	52.3705	4.7	15.0	
5 gamma-BHC (Lindane)	50.0000	51.9079	3.8	15.0	
2 beta-BHC	50.0000	49.6847	0.6	15.0	
4 delta-BHC	50.0000	51.4140	2.8	15.0	
122 Heptachlor	50.0000	55.5444	11.1	15.0	
1 Aldrin	50.0000	51.3407	2.7	15.0	
19 Heptachlor epoxide	50.0000	51.5095	3.0	15.0	
7 gamma-Chlordane	50.0000	50.4843	1.0	15.0	
6 alpha-Chlordane	50.0000	50.3771	0.8	15.0	
12 Endosulfan I	50.0000	52.3945	4.8	15.0	
9 4,4'-DDE	50.0000	50.6540	1.3	15.0	
11 Dieldrin	50.0000	51.1255	2.3	15.0	
15 Endrin	50.0000	53.3399	6.7	15.0	
8 4,4'-DDD	50.0000	50.7697	1.5	15.0	
13 Endosulfan II	50.0000	50.3060	0.6	15.0	
16 Endrin aldehyde	50.0000	50.6041	1.2	15.0	
10 4,4'-DDT	50.0000	62.0417	24.1	15.0	<-
14 Endosulfan sulfate	50.0000	52.1810	4.4	15.0	
21 Methoxychlor	50.0000	62.4987	25.0	15.0	<-
17 Endrin ketone	50.0000	52.5212	5.0	15.0	
22 Mirex	50.0000	52.4182	4.8	15.0	
23 Decachlorobiphenyl	50.0000	50.7138	1.4	15.0	

Average %D = 5.08

Data File: /chem/GC_C.i/C042007-2.b/C#B-057f5701.d
Report Date: 23-Apr-2007 09:07

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-057f5701.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 21-APR-2007 06:15
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.138	4.137	0.001	62261615	50.0000	52.664
3 alpha-BHC	4.466	4.466	0.000	97386840	50.0000	51.424
4 Hexachlorobenzene	4.523	4.523	0.000	68472981	50.0000	52.370
5 gamma-BHC (Lindane)	4.713	4.712	0.001	84594445	50.0000	51.908
6 beta-BHC	4.925	4.925	0.000	37978451	50.0000	49.685
8 delta-BHC	5.120	5.119	0.001	92639073	50.0000	51.414
9 Heptachlor	5.163	5.162	0.001	78216479	50.0000	55.544
12 Aldrin	5.442	5.442	0.000	81398979	50.0000	51.341
15 Heptachlor epoxide	5.885	5.885	0.000	74630820	50.0000	51.510
17 gamma-Chlordane	6.265	6.266	-0.001	78601288	50.0000	50.484
18 alpha-Chlordane	6.326	6.326	0.000	75868916	50.0000	50.377
19 Endosulfan I	6.369	6.368	0.001	70816668	50.0000	52.394
20 4,4'-DDE	6.552	6.551	0.001	77123451	50.0000	50.654
22 Dieldrin	6.699	6.698	0.001	77669321	50.0000	51.126
24 Endrin	6.975	6.976	-0.001	70642981	50.0000	53.340
26 4,4'-DDD	7.194	7.194	0.000	67857644	50.0000	50.770
27 Endosulfan II	7.303	7.302	0.001	67243761	50.0000	50.306
29 Endrin aldehyde	7.431	7.432	-0.001	55662869	50.0000	50.604
30 4,4'-DDT	7.547	7.547	0.000	44199475	50.0000	62.042
31 Endosulfan sulfate	7.757	7.757	0.000	60457491	50.0000	52.181
32 Methoxychlor	8.058	8.058	0.000	22561026	50.0000	62.499
33 Endrin ketone	8.196	8.196	0.000	69129522	50.0000	52.521
34 Mirex	8.709	8.710	-0.001	43317624	50.0000	52.418
$ 35 Decachlorobiphenyl	9.985	9.987	-0.002	52740248	50.0000	50.714

Data File: /chem/GC_C.i/C042007-2.b/C#B-057f5701.d

Date : 21-APR-2007 06:15

Client ID:

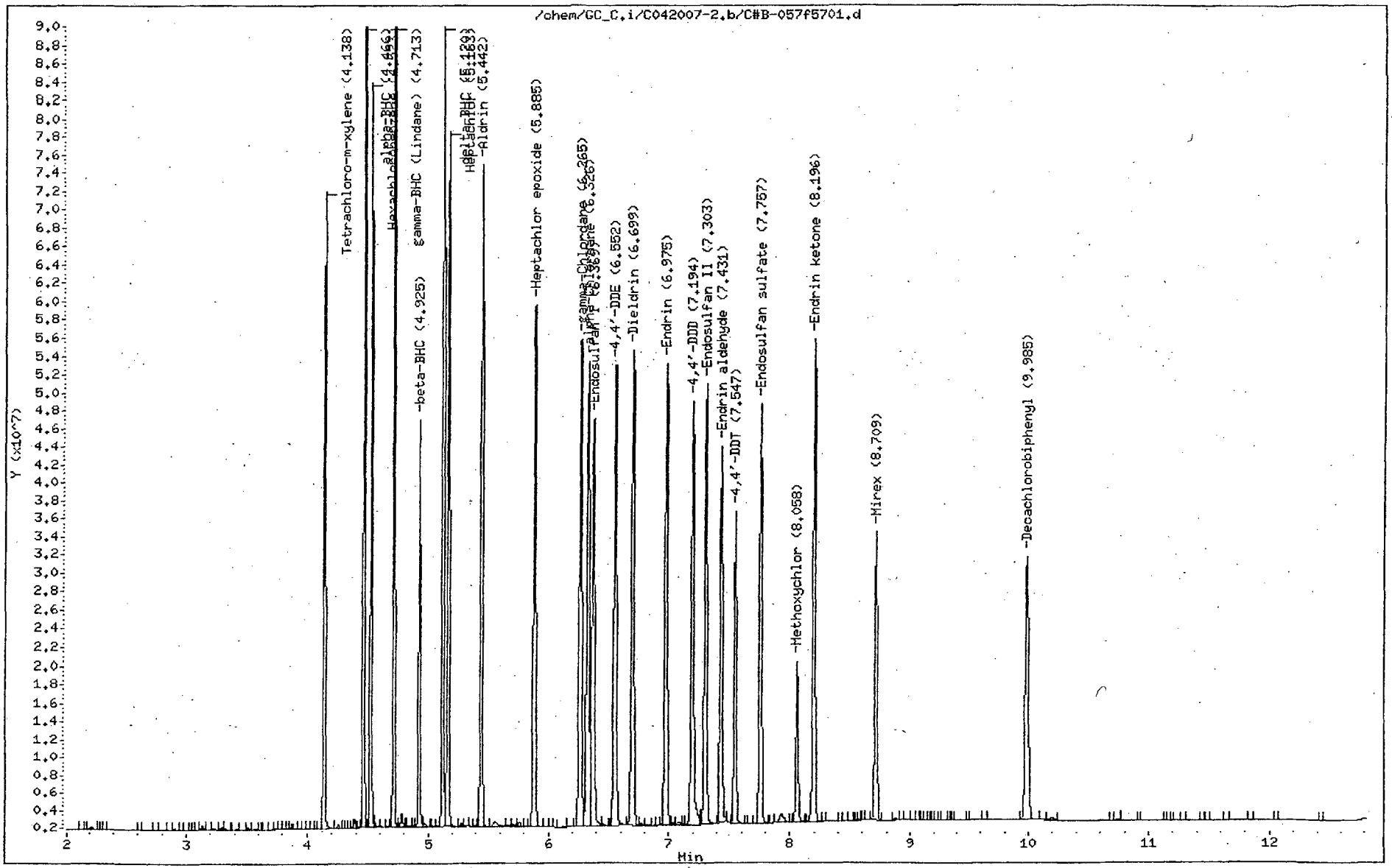
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 21-APR-2007 06:31
Lab File ID: C#A-058f5801.d
Lab Sample ID: TOX L1 GSV119006
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	213.3562	6.7	15.0

Average %D = 6.68

Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Report Date: 23-Apr-2007 08:59

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 21-APR-2007 06:31
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 58 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.598	5.599	-0.001	4025210	200.000	213.70	80.00- 120.00	100.00(M)
5.959	5.963	-0.004	3797030	200.000	233.24	75.46- 113.20	94.33
6.602	6.604	-0.002	8611216	200.000	219.31	171.15- 256.72	213.93
7.034	7.036	-0.002	4647184	200.000	202.60	92.36- 138.54	115.45
7.576	7.579	-0.003	5020106	200.000	197.94	99.77- 149.66	124.72

Average of Peak Amounts = 213

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Date : 21-APR-2007 06:31
Client ID:
Sample Info: TOX L1 GSV119006

Column phase: CLP-PEST II

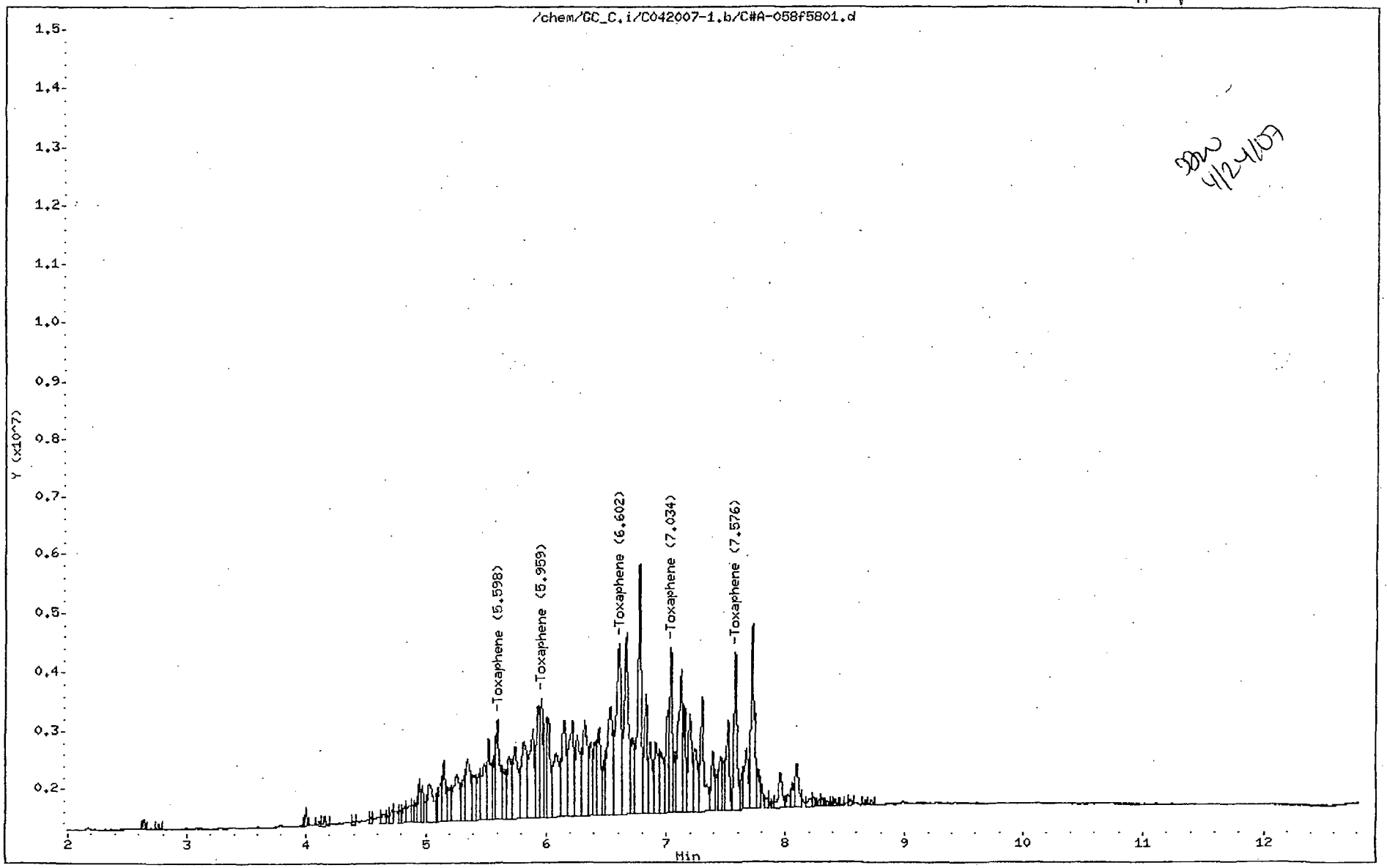
Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

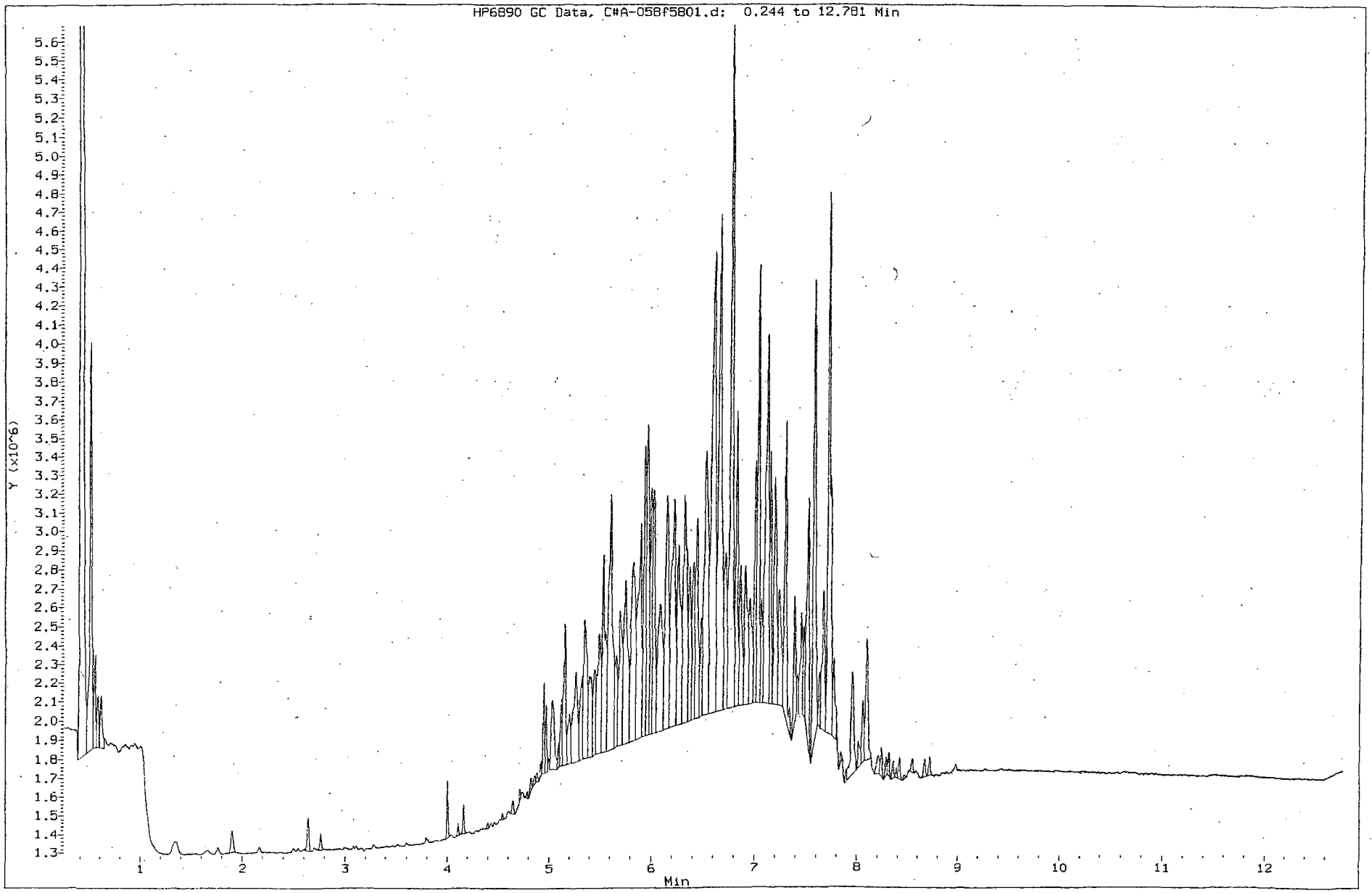
4/26/07 MPK

SDW 4/24/07



ORIGINAL

Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Injection Date: 21-APR-2007 06:31
Instrument: GC_C.i
Client Sample ID:



Data File: /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-064f6401.d
Analysis Type: NONE

Injection Date: 21-APR-2007 08:09
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	3460.6286	1.1	15.0	
118 chlorpyrifos	175.0000	178.4189	2.0	15.0	
119 Isodrin/Dicofol	175.0000	165.9215	5.2	15.0	
121 2,4'-DDE	35.0000	34.8136	0.5	15.0	
122 2,4'-DDD	35.0000	35.3410	1.0	15.0	
125 Chlorobenzilate	350.0000	350.4552	0.1	15.0	
123 2,4'-DDT	35.0000	35.3263	0.9	15.0	
124 Kepone	350.0000	338.5597	3.3	53.0	
126 DBPP	1750.0000	2584.1275	47.7	15.0	<-

CL 4/24/07

Average %D = 6.86

Data File: /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 21-APR-2007 08:09
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 64 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.892	0.001	120140278	3500.00	3460.6(A)
11 chlorpyrifos	5.025	5.026	-0.001	101209417	175.000	178.42
12 Isodrin/Dicofol	5.225	5.226	-0.001	216971956	175.000	165.92(A)
15 2,4'-DDE	5.561	5.561	0.000	33120378	35.0000	34.814
21 2,4'-DDD	6.098	6.097	0.001	29337787	35.0000	35.341
22 Chlorobenzilate	6.223	6.226	-0.003	29756442	350.000	350.46(A)
24 2,4'-DDT	6.454	6.455	-0.001	28577179	35.0000	35.326
25 Kepone	6.510	6.511	-0.001	141507808	350.000	338.56(A)
35 DBPP	11.227	11.235	-0.008	122566207	1750.00	2584.1

QC Flag Legend

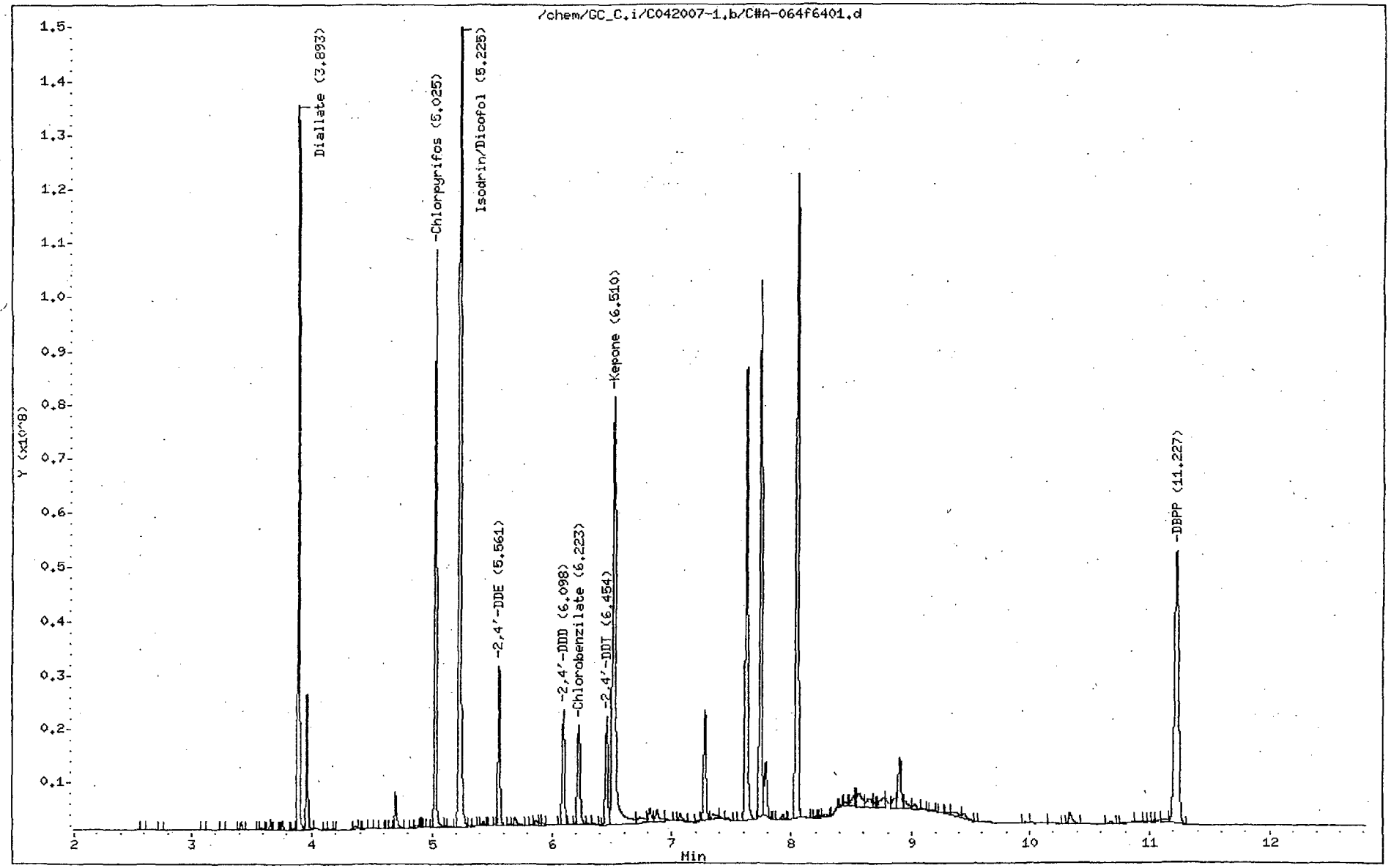
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Date : 21-APR-2007 08:09
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-064f6401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-064f6401.d
Analysis Type: NONE

Injection Date: 21-APR-2007 08:09
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	3411.3498	2.5	15.0	
124 Chlorpyrifos	175.0000	172.2790	1.6	15.0	
134 Dicofol	350.0000	167.6926	52.1	15.0	<-
125 Isodrin	175.0000	167.7862	4.1	15.0	
127 2,4'-DDE	35.0000	34.9678	0.1	15.0	
128 2,4'-DDD	35.0000	33.8532	3.3	15.0	
131 Chlorobenzilate	350.0000	364.3680	4.1	15.0	
129 2,4'-DDT	35.0000	37.5600	7.3	15.0	
130 Kepone	350.0000	168.0112	52.0	53.0	
132 DBPP	1750.0000	3910.3227	123.4	15.0	<-

Average %D = 25.0

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		101.2			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		102.6			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		100.0			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		99.9			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JTR4J
Sample Date/Time: Monday, April 23, 2007 19:01:50
Dilution Factor: 7109235 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\JTR4J.023

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	107310.858	**22.117**	0.30	1.3	ppb
	Be	9	888.694	**0.896**	0.02	2.6	ppb
	Al	27	204323184.699	**24277.551**	347.11	1.4	ppb
>	Sc	45	304243.999				ppb
	Ti	48	1878704.961	**186.311**	0.52	0.3	ppb
	Fe	54	21176667.510	**21617.259**	155.48	0.7	ppb
	Mn	55	9131823.644	**446.003**	5.67	1.3	ppb
	Co	59	129084.257	**7.941**	0.02	0.3	ppb
	Ni	60	66918.401	**18.783**	0.44	2.3	ppb
	Cu	63	102879.800	**12.520**	0.21	1.7	ppb
	Cu	65	50822.244	**12.558**	0.05	0.4	ppb
	Zn	66	132443.110	**54.734**	0.49	0.9	ppb
	Zn	67	25472.690	**61.260**	0.69	1.1	ppb
	Zn	68	105383.609	**59.622**	0.31	0.5	ppb
	As	75	11289.405	**4.033**	0.00	0.1	ppb
	Se	77	424.340	**1.647**	0.13	8.2	ppb
	Se	82	47.835	**0.156**	0.09	56.3	ppb
>	Y	89	11616187.878				ppb
	Ag	107	1146.046	**0.065**	0.00	7.4	ppb
	Ag	109	690.683	**0.044**	0.00	4.8	ppb
	Cd	111	6035.193	**0.480**	0.03	6.9	ppb
	Cd	114	901.294	**0.111**	0.01	4.5	ppb
>	In	115	1266514.854				ppb
	Sb	121	1175.382	**0.092**	0.00	3.7	ppb
	Sb	123	947.374	**0.094**	0.00	3.7	ppb
	Ba	137	1020180.028	**181.542**	0.74	0.4	ppb
>	Ho	165	1696985.055				ppb
	Tl	205	8820.056	**0.241**	0.00	1.5	ppb
	Pb	208	606541.052	**12.228**	0.10	0.9	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		117.1			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		104.7			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		99.7			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		100.7			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Monday, April 23, 2007 19:06:54
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\QC Std 6.024

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	206336.360	**49.272**	0.48	1.0	ppb
	Be	9	40765.758	**48.678**	0.72	1.5	ppb
	Al	27	35840559.012	**4929.269**	37.77	0.8	ppb
>	Sc	45	262727.561				ppb
	Ti	48	491984.219	**49.406**	0.31	0.6	ppb
	Fe	54	1099121.121	**993.342**	20.89	2.1	ppb
	Mn	55	1030055.292	**50.800**	0.69	1.4	ppb
	Co	59	811986.987	**50.527**	0.80	1.6	ppb
	Ni	60	174768.564	**49.678**	0.53	1.1	ppb
	Cu	63	406623.576	**50.315**	0.58	1.2	ppb
	Cu	65	196811.460	**49.455**	0.52	1.1	ppb
	Zn	66	118475.262	**49.473**	0.65	1.3	ppb
	Zn	67	20468.654	**49.606**	0.79	1.6	ppb
	Zn	68	86986.709	**49.725**	0.64	1.3	ppb
	As	75	133215.723	**48.778**	0.82	1.7	ppb
	Se	77	8956.140	**48.942**	0.37	0.8	ppb
	Se	82	11529.190	**48.015**	0.62	1.3	ppb
>	Y	89	11488804.605				ppb
	Ag	107	749039.259	**51.758**	0.65	1.2	ppb
	Ag	109	717064.554	**51.958**	0.46	0.9	ppb
	Cd	111	179747.769	**50.589**	0.33	0.6	ppb
	Cd	114	401495.400	**50.468**	0.15	0.3	ppb
>	In	115	1279418.080				ppb
	Sb	121	609845.641	**51.390**	0.78	1.5	ppb
	Sb	123	468550.490	**50.781**	0.48	0.9	ppb
	Ba	137	285854.439	**50.909**	0.39	0.8	ppb
>	Ho	165	1695231.693				ppb
	Tl	205	1758425.383	**48.389**	0.26	0.5	ppb
	Pb	208	2465771.357	**49.790**	0.40	0.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	98.5				
Be	9	97.4				
Al	27	98.6				
Sc	45		101.1			
Ti	48	98.8				
Fe	54	99.3				
Mn	55	101.6				
Co	59	101.1				
Ni	60	99.4				
Cu	63	100.6				
Cu	65	98.9				
Zn	66	98.9				
Zn	67	99.2				
Zn	68	99.5				
As	75	97.6				
Se	77	97.9				
Se	82	96.0				
Y	89		103.6			
Ag	107	103.5				
Ag	109	103.9				
Cd	111	101.2				
Cd	114	100.9				
In	115		100.8			
Sb	121	102.8				
Sb	123	101.6				
Ba	137	101.8				
Ho	165		100.6			
Tl	205	96.8				
Pb	208	99.6				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Monday, April 23, 2007 19:11:56
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.179 GW.mth
Dataset File: c:\elandata\dataset\a070423b\QC Std 7.025

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	457.339	**0.086**	0.02	19.3	ppb
	Be	9	34.667	**0.021**	0.01	55.0	ppb
	Al	27	32564.502	**2.386**	0.93	38.9	ppb
>	Sc	45	261547.912				ppb
	Ti	48	-658.415	**0.036**	0.01	31.2	ppb
	Fe	54	138709.289	**-5.051**	1.44	28.6	ppb
	Mn	55	2118.491	**0.031**	0.01	32.7	ppb
	Co	59	307.670	**0.015**	0.01	46.7	ppb
	Ni	60	236.335	**0.017**	0.01	49.1	ppb
	Cu	63	926.697	**0.020**	0.00	12.7	ppb
	Cu	65	464.008	**0.020**	0.00	22.3	ppb
	Zn	66	776.688	**0.003**	0.01	425.8	ppb
	Zn	67	499.675	**0.349**	0.06	16.3	ppb
	Zn	68	386.339	**0.015**	0.02	143.6	ppb
	As	75	259.751	**0.034**	0.01	27.6	ppb
	Se	77	142.001	**0.107**	0.08	71.8	ppb
	Se	82	2.807	**-0.029**	0.04	131.5	ppb
>	Y	89	11511217.578				ppb
	Ag	107	567.345	**0.024**	0.01	35.2	ppb
	Ag	109	412.673	**0.023**	0.00	21.1	ppb
	Cd	111	4995.275	**0.152**	0.05	30.4	ppb
	Cd	114	156.054	**0.016**	0.01	41.3	ppb
>	In	115	1288645.159				ppb
	Sb	121	2230.509	**0.178**	0.02	12.8	ppb
	Sb	123	1691.125	**0.172**	0.03	14.7	ppb
	Ba	137	205.335	**0.021**	0.01	37.3	ppb
>	Ho	165	1673557.924				ppb
	Tl	205	740.354	**0.019**	0.01	31.6	ppb
	Pb	208	1353.692	**0.018**	0.01	36.8	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		100.6			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		103.8			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		101.5			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		99.4			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 6010B

Associated Samples: 1-5

Batch Number: 7109239

QC & Sample Data

STL

Inductively Coupled Plasma-Atomic Emission Spectroscopy,
Spectrophotometric Method for Trace Element Analyses

Circle Method Used: SW846 6010B / EPA 200.7: AUS-MT-0001, current revision
Other SOP: _____

Run/Project Information:
Analyst: HD Run Date: 4/20/07 Instrument: A2

Prep Batches: 7108420 / 7109239
HBN: _____

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	Y			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits? (6010B = 90 – 110%, 200.7 = 95 –105%)	Y			✓
3. ICB/CCB analyzed at appropriate frequency and less than PQL or RL, as appropriate?	Y			✓
5. ICSA/ICSAB run at required frequency and within SOP limits?	Y			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	Y			✓
2. All reported results bracketed by in control QC?	Y			✓
3. Sample analyses done within holding time?	Y			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	Y			✓
2. Method blank done per prep batch and < RL or PQL as required?	Y			✓
3. MS run at required frequency and within limits?		N		✓
4. MSD or DU run at required frequency and RPD within SOP limits?		N		✓
5. Dilution Test done per prep batch?	Y			✓
6. Post digest spike analyzed if required?	Y			✓
D. Other				
1. Are all nonconformances documented appropriately?	Y			✓
2. Current MDL/LR/IEC data on file?	Y			✓
3. Calculations checked for error ?	Y			✓
4. All unused analyses noted on the sequence with the reason?	Y			✓
5. Transcriptions checked for error?	Y			✓
6. All client/project specific requirements met?	Y			✓
7. Date/time of analysis verified as correct?	Y			✓

Analyst: Hamid Davoudi Date: 4/23/07
Comments: _____

2nd Level Reviewer: [illegible] Date: 4/25/07
Comments: _____

STL Austin

Analyst HD

Date 4/19/07

SOP No#: (Circle one) AUS-IP-0002, current revision
AUS-IP-0003, current revision
AUS-IP-0010, current revision
AUS-IP-0011, current revision

Digestion Method 3050B

46
6010/6020

Hot Block Temp. Criteria: 90°C ± 5°C

Hot Block Temp. Check for HEP (Gentle Boil) NA

Digestion Cup Lot #: A612L-S109

Hot Block ID#	Temp. (°C)	Thermometer
A		
B		
C	93	STL-T-14
D		
E		

Spiking Solutions:

0.1 mL StdsLog # 06MET0837
0.1 mL StdsLog # 0838
0.1 mL StdsLog # 0839
0.1 mL StdsLog # 06MET0840
— mL StdsLog # —
— mL StdsLog # —

Reagents	Lot #/StdsLog #	Reagents	Lot #/StdsLog #
HNO_3 (1:1)	1:1 HNO3-00001	HCl (1:1)	—
HNO_3 (1:4)	—	HCl (conc.)	HCl-00003
HNO3 (conc.)	HNO3-00002	H_2O_2	H2O2-00001

Balance ID #: XLVI (46)

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
BK	1.00	NA	100	
LCS	1.00			
JTQ8J	1.03			6010 only 0.9709
JTR30	1.26			0.7936
-S	1.33			0.7519
-SD	1.39			0.7194
JTR39	1.35			0.7407
JTR4C	1.41			0.7092
JTR4F	1.24			0.8064
JTR4J	1.03			0.9709

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments

4/19/07
BM

						STL Austin		
		BATCH #	7109239					
		Work Order:	JTR30					
	Instrument Factor:		1				AS DF	
							1.042	
MDL	A. Spike		Original	S.D.	A.S.	SD %	AS %	SD
ug/L	(mg/L)	Element	Result (mg/L)	Result (mg/L)	Result (mg/L)	Difference	Recovery	Flag
1.1578	0.1	Silver						
14.918	50	Aluminum						
1.4986	0.5	Arsenic						
2.6223	0.5	Barium						
0.1104	0.5	Beryllium						
3.0587	0.5	Boron	0.2505	0.054	0.7177	7.78	95.46	
26.9839	50	Calcium						
0.4657	0.5	Cadmium						
1.4672	0.5	Cobalt						
1.093	0.5	Chromium						
1.6502	0.5	Copper						
49.3581	50	Iron						
16.0307	50	Magnesium						
0.2963	0.5	Manganese						
2.1711	0.5	Molybdenum						
3.6051	10	Phosphorous						
382.9652	50	Potassium						
39.7099	50	Silicon						
444.3962	50	Sodium						
0.8849	0.5	Nickel						
1.3988	0.5	Lead						
2.1215	0.5	Selenium						
13.8336	10	Sulfur						
0.167	0.5	Strontium						
4.3912	0.5	Antimony						
1.8044	0.5	Tin						
0.3952	0.5	Titanium						
2.1095	0.5	Thallium						
0.6512	0.5	Vanadium						
1.085	0.5	Zinc						

Instrument ID: A2

Instrument model: ICP 61E Trace Analyzer

Linearity			
Element	Linear Range Mg/L	Element	Linear Range mg/L
Al	800	P	100
Sb	40	K	300
As	20	Se	25
Ba	20	Si	400
Be	10	Ag	10
Bi	25	Na	500
B	80	Sr	10
Cd	25	S	400
Ca	800	Te	20
Cr	100	Tl	100
Co	80	Sn	20
Cu	80	Ti	20
Fe	1500	W	20
Pb	100	V	100
Mg	500	Zn	10
Mn	20	U	NA
Mo	20	Pd	NA
Ni	80	Au	NA

Filename Linearity: A60324A & A60327A for S
Filename IEC: A60324A
Filename Quarterly Curve Fit: A60324A

Instrument ID: ICP-A2
Data File Name: A704208
Computer Clock Date/Time: 4/20/07 09:00

Analyst Initials/~~Date~~: 4/20/07 HD
Method/Test 6010B/ 200.7
SOP #: AUS-~~MT-0001~~, current revision

Routine Maintenance:		
Clean Torch Y	Clean Injector Tip N	Replace Injector Tip N
Replace Pump Winding N	Check Vacuum < 10 mTorr Y	Check Argon Pressure Y
As Profile: Micrometer 710	Intensity 2682/2166	-.02983
Comments:		

Internal Standard:		**Calibration / Continuing Calibration Verification Standards:**	
Internal Standard:	07MET 0132	Std 1 / CCV2:	07MET 0168
Initial Calibration Verification Standard		Std 2:	0169
ICV1:	—	Std 3 / CCV5:	0135
ICV2:	07MET 0172	Std 4:	0134

Limit Check Samples:		**Analytical Spike Information:**			
QLCS:	—	Spike #	Spike ID	Volume	
RLCS:	—	1	06MET0837	0.1 mLs	
	—	2	0838	0.1 mLs	
Interference Check Standards:		3	0839	0.1 mLs	
ICSA:	07MET 0049	4	0840	0.1 mLs	
ICSAB:	07MET 0104	5		mLs	
	—	6		mLs	
Client Specified / Other QC Standards:					
As Profile Std.:	07MET 0050				

Comments:

Auto Sampler Time out
Rest

HD 4/20/07

STL /

Analysis Report Summary 04/20/07 04:10:46 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD0	A70420A	TRAA2	04/20/07	09:36		X	IR
2	~~STD1~~ STD2 Auto Sampler Time out	A70420A	TRAA2	04/20/07	09:41		X	IR
3	STD0	A70420A	TRAA2	04/20/07	10:06		X	IR
4	STD1	A70420A	TRAA2	04/20/07	10:11		X	IR
5	STD2	A70420A	TRAA2	04/20/07	10:15		X	IR
6	STD3	A70420A	TRAA2	04/20/07	10:20		X	IR
7	STD4	A70420A	TRAA2	04/20/07	10:24		X	IR
8	ICV2	A70420A	TRAA2	04/20/07	10:28	HD	Q	CONC
9	ICB	A70420A	TRAA2	04/20/07	10:33	LEJ	Q	CONC
10	ICSA	A70420A	TRAA2	04/20/07	10:38	HD	Q	CONC
11	ICSAB	A70420A	TRAA2	04/20/07	10:43	HD	S	CONC
12	CCV2	A70420A	TRAA2	04/20/07	10:47	HD	S	CONC
13	CCB — RR	A70420A	TRAA2	04/20/07	10:52	HD	S	CONC
14	JT6G2B	A70420A	TRAA2	04/20/07	10:57	HD	S	CONC
15	CCB	A70420A	TRAA2	04/20/07	11:03	HD	S	CONC
16	JT6G2B 7108420	A70420A	TRAA2	04/20/07	11:08	HD	S	CONC
17	JT6G2C	A70420A	TRAA2	04/20/07	11:13	HD	S	CONC
18	JTRE4	A70420A	TRAA2	04/20/07	11:17	HD	S	CONC
19	JTRG7	A70420A	TRAA2	04/20/07	11:22	HD	S	CONC
20	JTRH0	A70420A	TRAA2	04/20/07	11:27	HD	S	CONC
21	JTRH4	A70420A	TRAA2	04/20/07	11:31	HD	S	CONC
22	JTVVC	A70420A	TRAA2	04/20/07	11:36	HD	S	CONC
23	SD 1:5	A70420A	TRAA2	04/20/07	11:41	HD	S	CONC
24	AS 1:042	A70420A	TRAA2	04/20/07	11:45	HD	S	CONC
25	JTVVCS	A70420A	TRAA2	04/20/07	11:50	HD	S	CONC
26	CCV2	A70420A	TRAA2	04/20/07	11:55	HD	S	CONC
27	CCB	A70420A	TRAA2	04/20/07	12:00	HD	S	CONC
28	JTVVCD	A70420A	TRAA2	04/20/07	12:04	HD	S	CONC
29	JTVVP	A70420A	TRAA2	04/20/07	12:09	HD	S	CONC
30	JTVV4	A70420A	TRAA2	04/20/07	12:14	HD	S	CONC
31	JTVWA	A70420A	TRAA2	04/20/07	12:18	HD	S	CONC
32	JTVWL	A70420A	TRAA2	04/20/07	12:23	HD	S	CONC
33	JTVWW	A70420A	TRAA2	04/20/07	12:28	HD	S	CONC
34	CCV2	A70420A	TRAA2	04/20/07	12:32	HD	S	CONC
35	CCB	A70420A	TRAA2	04/20/07	12:37	HD	S	CONC
36	JT8D2B 7109239	A70420A	TRAA2	04/20/07	12:42	HD	S	CONC
37	JT8D2C	A70420A	TRAA2	04/20/07	12:47	HD	S	CONC
38	JTQ8J (1)	A70420A	TRAA2	04/20/07	12:51	HD	S	CONC
39	JTR30 PARENT	A70420A	TRAA2	04/20/07	12:56	HD	S	CONC
40	SD 1:5	A70420A	TRAA2	04/20/07	13:01	HD	S	CONC
41	AS 1:042	A70420A	TRAA2	04/20/07	13:06	HD	S	CONC
42	JTR30S	A70420A	TRAA2	04/20/07	13:10	HD	S	CONC
43	JTR30D	A70420A	TRAA2	04/20/07	13:15	HD	S	CONC
44	JTR39	A70420A	TRAA2	04/20/07	13:20	HD	S	CONC
45	JTR4C	A70420A	TRAA2	04/20/07	13:24	HD	S	CONC
46	CCV2	A70420A	TRAA2	04/20/07	13:29	HD	S	CONC
47	CCB	A70420A	TRAA2	04/20/07	13:34	HD	S	CONC
48	JTR4F	A70420A	TRAA2	04/20/07	13:38	HD	S	CONC
49	JTR4J	A70420A	TRAA2	04/20/07	13:43	HD	S	CONC
50	CCV2	A70420A	TRAA2	04/20/07	13:48	HD	S	CONC
51	CCB	A70420A	TRAA2	04/20/07	13:53	HD	S	CONC
52	JTQ8J 1:10 @ 3 SEC,s	A70420A	TRAA2	04/20/07	14:37	HD	S	CONC
53	CCV2	A70420A	TRAA2	04/20/07	14:41	HD	S	CONC

HM 4/20/07

STL Austin

Analysis Report Summary 04/20/07 04:10:46 PM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCB	A70420A	TRAA2	04/20/07	14:46	HD	S	CONC
55	CCB	A70420A	TRAA2	04/20/07	15:25	HD	S	CONC
56	JTQ8J 1:50	A70420A	TRAA2	04/20/07	15:50	HD	S	CONC
57	CCV2	A70420A	TRAA2	04/20/07	15:54	HD	S	CONC
58	CCB	A70420A	TRAA2	04/20/07	15:59	HD	S	CONC

4/20/07
HM

HM 4/20/07

Standardization Rpt. 04/20/07 10:11:00 AM page 1

Method: TRAA2 Standard: STD0
Run Time: 04/20/07 10:06:21

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	.0152	.0004	-.0018	.0284	-.0084	-.0047	.0015
SDev	.0004	.0016	.0014	.0001	.0001	.0034	.0002
%RSD	2.676	455.0	77.56	.5397	1.784	72.18	16.66
#1	.0154	-.0008	-.0008	.0283	-.0083	-.0071	.0016
#2	.0149	.0015	-.0029	.0285	-.0085	-.0023	.0013

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	.0011	.0517	.0012	-.0006	.0159	.0002	.0172
SDev	.0008	.0009	.0005	.0001	.0001	.0001	.0073
%RSD	71.39	1.776	40.16	8.822	.3924	54.22	42.24
#1	.0017	.0524	.0009	-.0007	.0159	.0002	.0120
#2	.0006	.0511	.0016	-.0006	.0158	.0001	.0223

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664
Avge	-.0029	.0047	.0001	.0004	.0044	.0018	1.168
SDev	.0005	.0014	.0000	.0006	.0003	.0005	.006
%RSD	16.98	30.37	.2053	171.6	5.831	30.19	.5125
#1	-.0032	.0057	.0001	-.0001	.0046	.0014	1.164
#2	-.0025	.0037	.0001	.0008	.0042	.0022	1.173

Elem	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215	S_1820
Avge	-.0026	-.0005	.0257	.0004	.0025	.0012	.0255
SDev	.0041	.0010	.0000	.0005	.0005	.0002	.0007
%RSD	156.0	221.9	.0899	113.2	20.18	16.24	2.775
#1	-.0055	.0003	.0257	.0001	.0021	.0013	.0260
#2	.0003	-.0012	.0257	.0007	.0028	.0010	.0250

Elem	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924	Zn2062
Avge	.0040	-.0001	.0023	.0122	.0275	.0003	.0008
SDev	.0008	.0004	.0005	.0013	.0012	.0002	.0001
%RSD	18.65	415.8	22.53	10.44	4.415	55.51	6.986
#1	.0046	.0002	.0019	.0113	.0284	.0002	.0008
#2	.0035	-.0004	.0027	.0131	.0267	.0004	.0008

A2
4/20/07
HJ
A704204

Standardization Rpt. 04/20/07 10:11:00 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37242	--	--	--	--	--	--
SDev	76.47526	--	--	--	--	--	--
%RSD	.2053464	--	--	--	--	--	--
#1	37296	--	--	--	--	--	--
#2	37188	--	--	--	--	--	--

Standardization Rpt. 04/20/07 10:15:42 AM page 1

Method: TRAA2 Standard: STD1
Run Time: 04/20/07 10:11:03

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	6.207	.3827	.8078	.6778	3.032	.3544	.4538
SDev	.001	.0009	.0041	.0003	.003	.0039	.0017
%RSD	.0203	.2338	.5032	.0499	.0874	1.111	.3795
#1	6.208	.3833	.8049	.6781	3.030	.3517	.4526
#2	6.207	.3820	.8107	.6776	3.034	.3572	.4550

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	3.690	13.72	.9572	.3168	.7164	2.199	1.916
SDev	.011	.02	.0017	.0000	.0013	.003	.002
%RSD	.2890	.1554	.1748	.0041	.1798	.1363	.1145
#1	3.682	13.70	.9560	.3168	.7155	2.197	1.914
#2	3.697	13.73	.9584	.3168	.7173	2.201	1.917

Elem	Pb/2	Mn2576	Mo2020	Ni2316	Se/1	Se/2	Ag3280
Avge	.8940	.3952	.3963	1.996	.7580	.5158	.6778
SDev	.0079	.0006	.0031	.009	.0019	.0035	.0004
%RSD	.8833	.1490	.7693	.4336	.2452	.6730	.0550
#1	.8884	.3947	.3941	1.990	.7566	.5133	.6775
#2	.8996	.3956	.3984	2.002	.7593	.5183	.6781

Elem	Sr4215	S_1820	Te2142	Tl1908	Sn1899	V_2924	Zn2062
Avge	3.291	8.824	.3781	.4647	.6214	.1852	.2608
SDev	.002	.009	.0004	.0018	.0043	.0001	.0002
%RSD	.0591	.1009	.0998	.3960	.6913	.0323	.0765
#1	3.290	8.818	.3784	.4634	.6244	.1852	.2606
#2	3.293	8.831	.3778	.4660	.6183	.1852	.2609

Standardization Rpt. 04/20/07 10:15:42 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36803	--	--	--	--	--	--
SDev	11.87995	--	--	--	--	--	--
%RSD	.0322799	--	--	--	--	--	--
#1	36811	--	--	--	--	--	--
#2	36795	--	--	--	--	--	--

Standardization Rpt. 04/20/07 10:20:24 AM page 1

Method: TRAA2 Standard: STD2
Run Time: 04/20/07 10:15:45

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	12.64	.7521	1.624	1.342	6.013	.7245	.9173
SDev	.03	.0011	.002	.003	.009	.0008	.0020
%RSD	.2212	.1451	.1460	.1984	.1529	.1061	.2210
#1	12.66	.7528	1.625	1.344	6.020	.7251	.9159
#2	12.62	.7513	1.622	1.340	6.007	.7240	.9187

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	7.182	25.97	1.906	.6226	1.441	4.365	3.753
SDev	.029	.05	.004	.0013	.004	.010	.007
%RSD	.4065	.2000	.2189	.2142	.2876	.2215	.1739
#1	7.203	26.00	1.909	.6235	1.444	4.371	3.758
#2	7.162	25.93	1.903	.6216	1.438	4.358	3.748

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	Se/1
Avge	1.761	31.81	.7850	.7843	3.888	25.88	1.511
SDev	.006	.05	.0018	.0033	.022	.09	.001
%RSD	.3282	.1646	.2270	.4175	.5631	.3374	.0710
#1	1.765	31.84	.7863	.7820	3.904	25.94	1.511
#2	1.757	31.77	.7838	.7866	3.873	25.81	1.510

Elem	Se/2	Ag3280	Na3302	Sr4215	S_1820	Te2142	Tl1908
Avge	1.029	1.376	.8330	6.679	17.74	.7530	.9200
SDev	.001	.004	.0020	.016	.01	.0002	.0049
%RSD	.0861	.2597	.2396	.2393	.0336	.0279	.5334
#1	1.030	1.378	.8344	6.691	17.74	.7528	.9166
#2	1.029	1.373	.8316	6.668	17.73	.7531	.9235

Elem	Sn1899	V_2924	Zn2062
Avge	1.232	.3704	.5022
SDev	.005	.0009	.0011
%RSD	.4095	.2556	.2239
#1	1.236	.3711	.5030
#2	1.229	.3697	.5014

Standardization Rpt. 04/20/07 10:20:24 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35809	--	--	--	--	--	--
SDev	85.80851	--	--	--	--	--	--
%RSD	.2396255	--	--	--	--	--	--
#1	35749	--	--	--	--	--	--
#2	35870	--	--	--	--	--	--

Standardization Rpt. 04/20/07 10:24:34 AM page 1

Method: TRAA2 Standard: STD3
Run Time: 04/20/07 10:20:27

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	13.14	14.32	3.680	1.053
SDev	.08	.06	.010	.005
%RSD	.6358	.3869	.2805	.4611
#1	13.08	14.36	3.687	1.057
#2	13.20	14.28	3.672	1.050

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36555	--	--	--	--	--	--
SDev	116.1423	--	--	--	--	--	--
%RSD	.3177186	--	--	--	--	--	--
#1	36637	--	--	--	--	--	--
#2	36473	--	--	--	--	--	--

Standardization Rpt. 04/20/07 10:28:45 AM page 1

Method: TRAA2 Standard: STD4
Run Time: 04/20/07 10:24:38

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	24.64	28.36	7.360	2.089
SDev	.03	.04	.000	.006
%RSD	.1343	.1454	.0052	.2818
#1	24.62	28.33	7.360	2.085
#2	24.66	28.39	7.361	2.093

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36546	--	--	--	--	--	--
SDev	54.94164	--	--	--	--	--	--
%RSD	.1503337	--	--	--	--	--	--
#1	36585	--	--	--	--	--	--
#2	36508	--	--	--	--	--	--

Analysis Report QC Standard 04/20/07 10:43:00 AM page 1

Method: TRAA2 Sample Name: ICSA Operator: HD
Run Time: 04/20/07 10:38:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	498.5	.0020	.0015	-.0004	-.0002	.0029	.0007
SDev	1.3	.0032	.0015	.0002	.0000	.0019	.0010
%RSD	.2616	161.2	100.3	52.43	7.923	66.50	144.1
#1	499.4	.0042	.0004	-.0005	-.0002	.0042	.0014
#2	497.6	-.0003	.0026	-.0002	-.0002	.0015	-.0000
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	.0000	.0000	.0000	.0000		.0000
Range	100.0	.0100	.0100	.0050	.0040		.6000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	461.7	.0002	.0002	.0004	192.7	.0521
SDev	.0003	.8	.0005	.0003	.0002	.1	.0029
%RSD	29.39	.1765	297.7	113.4	47.11	.0603	5.651
#1	-.0008	461.1	-.0002	.0000	.0003	192.6	.0500
#2	-.0012	462.3	.0005	.0004	.0006	192.8	.0542
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	500.0	.0000	.0000	.0000	200.0	
Range	.0040	100.0	.0100	.0100	.0100	40.00	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0259	-69.37	515.5	.0056	-.0008	.0021	.0016
SDev	.0026	.61	.1	.0000	.0013	.0004	.0025
%RSD	10.06	.8732	.0139	.0167	170.8	19.66	158.5
#1	-.0240	-68.95	515.4	.0056	.0002	.0024	.0033
#2	-.0277	-69.80	515.5	.0056	-.0017	.0018	-.0002
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			500.0	.0000	.0000	.0000	.0000
Range			100.0	.0100	.0150	.0200	1.000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1059	-.0002	.0055	.0262	.0002	-.0805	.0056
SDev	.0204	.0032	.0000	.0018	.0002	.1862	.0000
%RSD	19.27	1888.	.4544	7.025	84.33	231.2	.1654
#1	-.1203	-.0025	.0055	.0275	.0001	-.2121	.0056
#2	-.0915	.0021	.0055	.0249	.0004	.0511	.0056
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000			.0000	.0000	.0000	.0000
Range	.5000			1.000	.0100	1.000	.0060

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0489	-.0110	-.0077	.0014	.0007	.0005	.0004
SDev	.0000	.0036	.0001	.0008	.0000	.0011	.0001
%RSD	.0631	32.56	1.415	55.94	5.721	234.6	35.14
#1	.0489	-.0135	-.0078	.0020	.0007	.0013	.0005
#2	.0490	-.0085	-.0076	.0009	.0008	-.0003	.0003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	.2000	.0100	.0500	.0500	.1000	.0100

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0145	-.0001	.0036	6.667
SDev	.0009	.0008	.0011	.000
%RSD	6.432	530.9	29.89	.0030
#1	.0151	.0004	.0029	6.667
#2	.0138	-.0007	.0044	6.667
Errors	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	
Range	.0200	.0060	.0100	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34877	--	--	--	--	--	--
SDev	130.4612	--	--	--	--	--	--
%RSD	.3740614	--	--	--	--	--	--
#1	34969	--	--	--	--	--	--
#2	34785	--	--	--	--	--	--

Analysis Report 04/20/07 10:47:42 AM page 1

Method: TRAA2 Sample Name: ICSAB Operator: HD
Run Time: 04/20/07 10:43:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	502.4	1.015	1.009	1.031	.9903	.0027	.0019
SDev	10.5	.028	.026	.023	.0228	.0043	.0007
%RSD	2.091	2.734	2.553	2.207	2.303	156.0	34.70
#1	495.0	.9950	.9905	1.015	.9742	.0057	.0024
#2	509.9	1.034	1.027	1.047	1.006	-.0003	.0014
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High		1.107	1.060	1.098	1.041		
Low		.9594	.9286	.9633	.9255		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9573	468.9	.9800	.9363	1.056	196.6	1.012
SDev	.0203	9.7	.0211	.0207	.023	4.4	.017
%RSD	2.123	2.074	2.152	2.206	2.143	2.229	1.714
#1	.9429	462.0	.9651	.9217	1.040	193.5	.9995
#2	.9716	475.7	.9950	.9509	1.072	199.7	1.024
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	1.005		1.037	.9824	1.133		1.035
Low	.8854		.9204	.8555	.9966		.9204

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9459	-71.04	520.1	1.001	1.005	.9853	-.0045
SDev	.0213	1.20	10.8	.022	.029	.0213	.0005
%RSD	2.252	1.689	2.084	2.187	2.848	2.162	10.18
#1	.9309	-70.19	512.4	.9856	.9852	.9702	-.0041
#2	.9610	-71.89	527.8	1.017	1.026	1.000	-.0048
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.035			1.062	1.057	1.043	
Low	.9204			.9477	.9334	.8778	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.7781	.9925	.9954	.0247	1.050	1.173	.0057
SDev	.0717	.0140	.0232	.0020	.023	.147	.0001
%RSD	9.215	1.408	2.329	8.080	2.186	12.54	1.989
#1	L.7274	.9826	.9790	.0233	1.033	1.069	.0056
#2	L.8288	1.002	1.012	.0261	1.066	1.277	.0058
Errors	LC Low	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK
High	1.229	1.055	1.055		1.129	1.666	
Low	.8301	.9394	.9394		.9960	.0798	

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0592	-.0150	.9697	.0013	.0007	-.0005	1.008
SDev	.0012	.0042	.0284	.0001	.0004	.0045	.022
%RSD	1.994	28.04	2.930	10.70	53.73	879.3	2.138
#1	.0584	-.0180	.9496	.0012	.0004	-.0037	.9930
#2	.0601	-.0121	.9898	.0014	.0009	.0026	1.023
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass
High			1.028				1.057
Low			.9130				.9391

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.9888	.9677	.9944	6.667
SDev	.0243	.0200	.0202	.000
%RSD	2.456	2.066	2.026	.0003
#1	.9716	.9535	.9802	6.667
#2	H1.006	.9818	1.009	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.005	1.035	1.055	
Low	.8834	.9204	.9394	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34683	--	--	--	--	--	--
SDev	616.8816	--	--	--	--	--	--
%RSD	1.778644	--	--	--	--	--	--
#1	35119	--	--	--	--	--	--
#2	34246	--	--	--	--	--	--

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Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 04/20/07 12:32:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.06	.5108	.5068	.4977	.5118	.5047	.5085
SDev	.10	.0020	.0018	.0008	.0014	.0025	.0048
%RSD	.2089	.3940	.3571	.1690	.2728	.4892	.9479
#1	48.99	.5122	.5055	.4971	.5108	.5065	.5051
#2	49.13	.5094	.5081	.4983	.5128	.5030	.5120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5223	H52.74	.5114	.5122	.4948	51.59	.5210
SDev	.0001	.06	.0017	.0020	.0017	.15	.0024
%RSD	.0231	.1096	.3240	.3868	.3353	.2840	.4621
#1	.5222	H52.70	.5102	.5108	.4936	51.48	.5227
#2	.5224	H52.78	.5126	.5136	.4960	51.69	.5193
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5238	-68.94	51.10	.5137	.5237	.5227	-.0075
SDev	.0044	.10	.14	.0011	.0015	.0008	.0027
%RSD	.8479	.1475	.2683	.2163	.2932	.1551	35.98
#1	.5206	-69.01	51.00	.5129	.5226	.5222	-.0094
#2	.5269	-68.87	51.19	.5145	.5248	.5233	-.0056
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L47.23	.5146	.5161	.0045	.5008	48.87	.4964
SDev	.02	.0031	.0037	.0005	.0007	.05	.0009
%RSD	.0367	.6034	.7238	11.61	.1364	.1025	.1732
#1	L47.22	.5168	.5134	.0041	.5003	48.91	.4958
#2	L47.24	.5124	.5187	.0049	.5013	48.84	.4971
Errors	LC Low	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.98	.5150	.5089	.5018	.0003	-.0022	.5110
SDev	.15	.0064	.0000	.0017	.0003	.0008	.0012
%RSD	.3032	1.250	.0043	.3353	100.5	38.17	.2377
#1	50.88	.5104	.5089	.5030	.0005	-.0016	.5102
#2	51.09	.5195	.5089	.5006	.0001	-.0028	.5119
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5216	.5228	.5156	6.667
SDev	.0001	.0022	.0015	.000
%RSD	.0287	.4172	.2866	.0022
#1	.5214	.5213	.5145	6.667
#2	.5217	.5244	.5166	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38071	--	--	--	--	--	--
SDev	.2099223	--	--	--	--	--	--
%RSD	.0005514	--	--	--	--	--	--
#1	38072	--	--	--	--	--	--
#2	38071	--	--	--	--	--	--

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Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 04/20/07 12:37:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0224	-.0008	-.0000	.0009	-.0003	.0038	.0005
SDev	.0075	.0013	.0004	.0001	.0000	.0012	.0019
%RSD	33.42	151.9	6153.	11.27	3.830	32.73	399.5
#1	.0171	.0001	.0003	.0009	-.0002	.0046	.0018
#2	.0277	-.0017	-.0003	.0010	-.0003	.0029	-.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0014	-.0001	.0005	-.0004	.0066	-.0046
SDev	.0002	.0038	.0006	.0002	.0004	.0063	.0019
%RSD	294.2	271.8	633.4	36.86	85.25	94.44	40.90
#1	.0002	-.0013	.0003	.0004	-.0007	.0111	-.0033
#2	-.0001	.0041	-.0005	.0007	-.0002	.0022	-.0059
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-69.20	-.0002	.0001	.0007	-.0005	-.0088
SDev	.0006	.03	.0012	.0001	.0011	.0000	.0009
%RSD	51.13	.0405	597.2	111.8	153.9	3.715	9.983
#1	.0015	-69.18	.0007	.0000	.0015	-.0005	-.0094
#2	.0007	-69.22	-.0011	.0002	-.0001	-.0006	-.0082
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0377	-.0022	.0016	-.0023	.0001	-.1221	.0000
SDev	.0093	.0020	.0007	.0020	.0006	.1080	.0000
%RSD	24.57	88.77	42.37	87.68	856.4	88.40	40.80
#1	.0312	-.0008	.0021	-.0009	.0005	-.0458	.0001
#2	.0443	-.0036	.0011	-.0037	-.0004	-.1985	.0000
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0307	.0012	-.0025	-.0018	.0000	.0011	-.0002
SDev	.0008	.0019	.0035	.0007	.0004	.0012	.0005
%RSD	2.451	166.3	139.8	41.41	1250.	107.2	228.5
#1	.0313	-.0002	-.0050	-.0012	.0003	.0020	.0001
#2	.0302	.0025	-.0000	-.0023	-.0003	.0003	-.0006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0005	-.0008	.0003	6.667
SDev	.0003	.0010	.0011	.000
%RSD	64.07	122.3	321.9	.0036
#1	-.0007	-.0001	.0011	6.667
#2	-.0003	-.0015	-.0004	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38635	--	--	--	--	--	--
SDev	85.80851	--	--	--	--	--	--
%RSD	.2221023	--	--	--	--	--	--
#1	38695	--	--	--	--	--	--
#2	38574	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JT8D2B Operator: HD
Run Time: 04/20/07 12:42:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0142	-.0015	.0006	.0003	-.0004	.0011	-.0019
SDev	.0006	.0017	.0011	.0000	.0000	.0006	.0017
%RSD	4.442	116.8	183.8	11.49	.6913	53.93	89.81
#1	.0137	-.0003	.0014	.0004	-.0004	.0015	-.0007
#2	.0146	-.0027	-.0002	.0003	-.0004	.0007	-.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0090	-.0001	.0002	-.0010	-.0049	-.0042
SDev	.0002	.0014	.0005	.0001	.0003	.0099	.0002
%RSD	12160.	15.83	525.0	70.06	28.86	203.4	3.888
#1	.0001	-.0100	.0002	.0002	-.0008	.0021	-.0041
#2	-.0001	-.0080	-.0004	.0001	-.0012	-.0119	-.0044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-69.15	-.0074	-.0000	-.0008	.0017	.0030
SDev	.0008	.10	.0001	.0000	.0005	.0013	.0021
%RSD	48.40	.1460	1.419	396.4	66.06	74.18	70.30
#1	.0021	-69.08	-.0074	.0000	-.0012	.0026	.0045
#2	.0010	-69.22	-.0075	-.0000	-.0004	.0008	.0015
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0092	-.0064	.0043	-.0040	-.0008	-.1161	-.0000
SDev	.0017	.0022	.0007	.0013	.0004	.0067	.0000
%RSD	18.19	34.60	16.93	33.20	46.34	5.783	59.94
#1	-.0104	-.0079	.0048	-.0031	-.0005	-.1114	-.0000
#2	-.0080	-.0048	.0038	-.0050	-.0010	-.1209	-.0001
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	.0030	L-.0085	.0062	.0002	.0002	-.0008
SDev	.0039	.0050	.0085	.0001	.0003	.0015	.0003
%RSD	70.42	168.0	99.73	2.320	151.0	648.7	35.40
#1	.0083	.0065	-.0025	.0061	.0004	.0013	-.0006
#2	.0028	-.0006	L-.0146	.0063	-.0000	-.0008	-.0010
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0014	-.0004	.0008	6.667
SDev	.0002	.0006	.0002	.000
%RSD	13.08	149.8	29.61	.0006
#1	.0013	.0000	.0006	6.667
#2	.0015	-.0008	.0010	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39110	--	--	--	--	--	--
SDev	56.00230	--	--	--	--	--	--
%RSD	.1431936	--	--	--	--	--	--
#1	39149	--	--	--	--	--	--
#2	39070	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JT8D2C Operator: HD
Run Time: 04/20/07 12:47:11
Comment:
Mode: CONC Corr. Factor: 1

ICP-MS spike level

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L4.957	L.0453	L.0495	L.0485	L.0493	.0034	L.0466
SDev	.049	.0006	.0017	.0008	.0005	.0042	.0007
%RSD	.9788	1.404	3.423	1.571	1.036	124.4	1.506
#1	L4.991	L.0457	L.0507	L.0490	L.0497	.0064	L.0470
#2	L4.923	L.0448	L.0483	L.0479	L.0489	.0004	L.0461
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	NOCHECK	LC Low
High	57.50	.5750	.5750	.5750	.5750		.5750
Low	42.50	.4250	.4250	.4250	.4250		.4250

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0516	L5.258	L.0503	L.0497	L.0492	L5.151	.0472
SDev	.0003	.053	.0004	.0010	.0007	.044	.0026
%RSD	.6032	1.011	.7184	1.975	1.470	.8485	5.490
#1	L.0518	L5.296	L.0505	L.0504	L.0498	L5.182	.0453
#2	L.0514	L5.221	L.0500	L.0490	L.0487	L5.120	.0490
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	NOCHECK
High	.5750	57.50	.5750	.5750	.5750	57.50	
Low	.4250	42.50	.4250	.4250	.4250	42.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0554	-69.29	L5.062	L.0508	L.0520	L.0538	1.149
SDev	.0039	.58	.053	.0005	.0010	.0008	.014
%RSD	7.034	.8303	1.041	.9240	1.978	1.485	1.242
#1	.0581	-69.70	L5.099	L.0511	L.0528	L.0544	1.159
#2	.0526	-68.88	L5.024	L.0504	L.0513	L.0532	1.139
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low	LC Low	NOCHECK
High			57.50	.5750	.5750	.5750	
Low			42.50	.4250	.4250	.4250	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L4.827	.0455	.0535	L4.361	L.0089	L4.609	.0494
SDev	.081	.0018	.0015	.042	.0001	.077	.0005
%RSD	1.679	3.881	2.893	.9731	.7022	1.677	1.025
#1	L4.884	.0442	.0524	L4.391	L.0089	L4.663	.0497
#2	L4.770	.0467	.0546	L4.331	L.0088	L4.554	.0490
Errors	LC Low	NOCHECK	NOCHECK	LC Low	LC Low	LC Low	NOCHECK
High	57.50			57.50	.1150	57.50	
Low	42.50			42.50	.0850	42.50	

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.053	.0045	L.0472	L.0566	L.0519	.0014	L.0507
SDev	.013	.0006	.0014	.0002	.0005	.0003	.0005
%RSD	1.282	13.86	3.037	.3082	.9185	24.74	.9796
#1	1.062	.0050	L.0462	L.0567	L.0522	.0012	L.0510
#2	1.043	.0041	L.0482	L.0564	L.0516	.0017	L.0503
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low	NOCHECK	LC Low
High			.5750	.5750	.5750		.5750
Low			.4250	.4250	.4250		.4250

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	L.0555	L.0527	L.0508	6.667
SDev	.0005	.0018	.0016	.000
%RSD	.9317	3.331	3.185	.0041
#1	L.0559	L.0539	L.0497	6.667
#2	L.0551	L.0514	L.0520	6.667
Errors	LC Low	LC Low	LC Low	NOCHECK
High	.5750	.5750	.5750	
Low	.4250	.4250	.4250	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39589	--	--	--	--	--	--
SDev	382.8983	--	--	--	--	--	--
%RSD	.9671824	--	--	--	--	--	--
#1	39318	--	--	--	--	--	--
#2	39860	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JTR30 Operator: HD
Run Time: 04/20/07 12:56:39
Comment:
Mode: CONC Corr. Factor: 1

B only

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	139.6	-.0017	.0330	.7460	.0056	.0036	.2505
SDev	.1	.0026	.0024	.0007	.0000	.0008	.0027
%RSD	.0674	150.0	7.389	.0882	.3356	23.46	1.097
#1	139.6	-.0036	.0348	.7465	.0056	.0042	.2524
#2	139.5	.0001	.0313	.7455	.0055	.0030	.2486
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	87.37	.1480	.0447	.0942	117.1	.1267
SDev	.0003	.06	.0003	.0003	.0003	.1	.0020
%RSD	81.23	.0678	.2021	.6118	.3030	.0654	1.601
#1	.0005	87.33	.1483	.0446	.0944	117.1	.1252
#2	.0001	87.41	.1478	.0449	.0940	117.2	.1281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1086	-68.41	63.09	1.432	.5170	.1407	3.816
SDev	.0005	.18	.04	.000	.1796	.0076	.024
%RSD	.4516	.2633	.0695	.0201	34.74	5.382	.6225
#1	.1090	-68.28	63.06	1.432	.6440	.1461	3.799
#2	.1083	-68.53	63.12	1.432	.3900	.1354	3.833
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	38.72	-.0039	.0095	7.076	.0002	16.25	.3180
SDev	.08	.0023	.0001	.004	.0001	.05	.0003
%RSD	.2142	58.96	.5696	.0585	31.48	.3199	.0819
#1	38.66	-.0056	.0094	7.073	.0003	16.22	.3182
#2	38.78	-.0023	.0095	7.079	.0002	16.29	.3178
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.916	-.0080	L-.0090	.0085	.8384	.0277	.2635
SDev	.016	.0023	.0023	.0008	.0004	.0068	.0111
%RSD	.2284	29.12	25.81	8.926	.0467	24.45	4.201
#1	6.927	-.0096	L-.0106	.0091	.8382	.0325	.2713
#2	6.904	-.0064	L-.0073	.0080	.8387	.0229	.2557
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5915	.1146	.0050	6.667
SDev	.0009	.0003	.0008	.000
%RSD	.1501	.2973	15.87	.0046
#1	.5909	.1144	.0045	6.667
#2	.5921	.1148	.0056	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	41864	--	--	--	--	--	--
SDev	132.6875	--	--	--	--	--	--
%RSD	.3169453	--	--	--	--	--	--
#1	41958	--	--	--	--	--	--
#2	41771	--	--	--	--	--	--

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Method: TRAA2 Sample Name: SD 1:5 Operator: HD
Run Time: 04/20/07 13:01:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.04	-.0025	.0108	.1580	.0009	.0003	.0540
SDev	.18	.0028	.0031	.0003	.0000	.0004	.0012
%RSD	.6036	111.2	28.78	.1672	2.077	144.1	2.201
#1	29.92	-.0005	.0086	.1582	.0009	.0006	.0549
#2	30.17	-.0045	.0130	.1578	.0009	-.0000	.0532
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	19.08	.0323	.0101	.0188	25.34	.0261
SDev	.0003	.01	.0002	.0004	.0007	.01	.0008
%RSD	815.7	.0756	.4891	3.792	3.832	.0282	3.101
#1	.0002	19.09	.0322	.0103	.0193	25.34	.0266
#2	-.0002	19.07	.0324	.0098	.0183	25.35	.0255
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0233	-68.79	13.38	.3085	.1620	.0440	.8276
SDev	.0009	.01	.01	.0001	.0175	.0132	.0105
%RSD	3.951	.0203	.0673	.0446	10.77	29.92	1.265
#1	.0226	-68.80	13.39	.3086	.1497	.0347	.8201
#2	.0239	-68.78	13.38	.3084	.1744	.0533	.8350
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.403	.0004	.0014	1.490	.0001	3.264	.0675
SDev	.054	.0008	.0008	.009	.0002	.258	.0001
%RSD	.7246	208.1	59.38	.6043	164.5	7.897	.1239
#1	7.365	.0009	.0008	1.496	.0003	3.446	.0675
#2	7.441	-.0002	.0020	1.484	-.0000	3.082	.0674
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.553	-.0034	L-.0063	.0023	.1779	.0091	.0684
SDev	.043	.0008	.0004	.0006	.0005	.0012	.0103
%RSD	2.780	22.31	6.936	25.48	.2944	13.14	15.05
#1	1.522	-.0039	L-.0060	.0027	.1782	.0100	.0611
#2	1.583	-.0029	L-.0066	.0019	.1775	.0083	.0757
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.1287	.0242	.0011	6.667
SDev	.0001	.0003	.0003	.000
%RSD	.0870	1.444	29.32	.0003
#1	.1288	.0239	.0008	6.667
#2	.1286	.0244	.0013	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39841	--	--	--	--	--	--
SDev	55.57693	--	--	--	--	--	--
%RSD	.1394961	--	--	--	--	--	--
#1	39802	--	--	--	--	--	--
#2	39880	--	--	--	--	--	--

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Method: TRAA2 Sample Name: AS 1:042 Operator: HD
Run Time: 04/20/07 13:06:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	181.5	.4472	.4783	1.183	.4707	.0042	.7177
SDev	.1	.0133	.0001	.001	.0001	.0009	.0022
%RSD	.0524	2.976	.0216	.0484	.0277	21.53	.3132
#1	181.5	.4378	.4782	1.183	.4706	.0048	.7161
#2	181.6	.4566	.4783	1.184	.4708	.0035	.7193
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4742	131.8	.6034	.4994	.5685	160.5	.5987
SDev	.0006	.0	.0003	.0001	.0009	.1	.0028
%RSD	.1196	.0028	.0453	.0206	.1555	.0316	.4718
#1	.4746	131.8	.6036	.4993	.5679	160.4	.5967
#2	.4738	131.8	.6032	.4995	.5691	160.5	.6007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5810	-68.35	111.0	1.860	.5836	.5999	14.32
SDev	.0003	.05	.0	.001	.0089	.0001	.04
%RSD	.0605	.0777	.0318	.0284	1.528	.0083	.3122
#1	.5812	-68.39	111.0	1.860	.5899	.5999	14.35
#2	.5807	-68.31	111.0	1.860	.5773	.5999	14.29
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	83.55	.4735	.4805	53.75	.0853	64.13	.7819
SDev	.00	.0023	.0022	.06	.0010	.10	.0003
%RSD	.0035	.4882	.4555	.1137	1.172	.1571	.0439
#1	83.55	.4718	.4820	53.70	.0846	64.05	.7816
#2	83.55	.4751	.4789	53.79	.0861	64.20	.7821
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.58	-.0135	.4734	.4721	1.294	.0096	.7138
SDev	.02	.0024	.0053	.0011	.001	.0028	.0002
%RSD	.1253	18.00	1.115	.2393	.0939	29.16	.0263
#1	16.59	-.0118	.4772	.4713	1.295	.0116	.7139
#2	16.56	-.0152	.4697	.4729	1.293	.0076	.7137
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	1.039	.5868	.4782	6.667
SDev	.000	.0007	.0007	.000
%RSD	.0220	.1187	.1471	.0043
#1	1.039	.5863	.4787	6.667
#2	1.039	.5873	.4777	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	41793	--	--	--	--	--	--
SDev	4.137680	--	--	--	--	--	--
%RSD	.0099004	--	--	--	--	--	--
#1	41796	--	--	--	--	--	--
#2	41790	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JTR30S Operator: HD
Run Time: 04/20/07 13:10:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	194.3	.0229	.0725	.9437	.0524	.0017	.3532
SDev	.1	.0017	.0005	.0001	.0001	.0042	.0004
%RSD	.0657	7.231	.7263	.0133	.1297	242.3	.1264
#1	194.3	.0241	.0721	.9438	.0524	.0047	.3535
#2	194.2	.0217	.0728	.9436	.0523	-.0012	.3529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0468	90.03	.2338	.0927	.1468	137.9	.1907
SDev	.0001	.10	.0002	.0002	.0002	.1	.0021
%RSD	.3237	.1080	.0843	.1915	.1085	.0489	1.093
#1	.0469	90.09	.2339	.0928	.1467	137.9	.1922
#2	.0467	89.96	.2336	.0926	.1470	137.8	.1892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1521	-68.35	75.06	1.515	.1148	.1804	5.072
SDev	.0006	.28	.09	.001	.0046	.0000	.018
%RSD	.3608	.4031	.1200	.0430	3.984	.0115	.3482
#1	.1517	-68.55	75.12	1.515	.1180	.1805	5.085
#2	.1525	-68.16	75.00	1.515	.1116	.1804	5.060
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	55.08	.0445	.0559	7.727	.0090	21.36	.3822
SDev	.15	.0025	.0020	.017	.0002	.06	.0001
%RSD	.2693	5.527	3.582	.2228	2.066	.2664	.0281
#1	55.19	.0463	.0545	7.739	.0092	21.32	.3821
#2	54.98	.0428	.0573	7.715	.0089	21.40	.3823
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.226	-.0104	.0434	.0502	1.688	.0082	.3533
SDev	.001	.0008	.0048	.0009	.001	.0011	.0000
%RSD	.0150	7.615	11.09	1.824	.0597	13.21	.0072
#1	7.225	-.0109	.0400	.0508	1.689	.0090	.3532
#2	7.227	-.0098	.0468	.0495	1.688	.0075	.3533
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.6812	.1648	.0522	6.667
SDev	.0000	.0003	.0005	.000
%RSD	.0030	.1944	1.017	.0010
#1	.6812	.1650	.0518	6.667
#2	.6813	.1646	.0525	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	42593	--	--	--	--	--	--
SDev	187.2065	--	--	--	--	--	--
%RSD	.4395254	--	--	--	--	--	--
#1	42460	--	--	--	--	--	--
#2	42725	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JTR30D Operator: HD
Run Time: 04/20/07 13:15:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	200.9	.0275	.0710	1.025	.0529	.0025	.3634
SDev	.5	.0037	.0008	.002	.0001	.0026	.0003
%RSD	.2249	13.38	1.128	.2100	.2418	103.0	.0973
#1	200.6	.0249	.0704	1.024	.0528	.0007	.3631
#2	201.2	.0301	.0715	1.027	.0530	.0044	.3636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0471	98.92	.2402	.0957	.1514	141.4	.1911
SDev	.0001	.23	.0006	.0004	.0001	.4	.0037
%RSD	.1548	.2288	.2324	.4583	.0615	.2531	1.957
#1	.0470	98.76	.2398	.0954	.1515	141.1	.1938
#2	.0471	99.08	.2406	.0960	.1514	141.6	.1885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1534	-67.98	78.41	1.555	.0998	.1859	5.155
SDev	.0022	.13	.18	.004	.0009	.0007	.003
%RSD	1.410	.1904	.2282	.2290	.8938	.3639	.0598
#1	.1519	-67.89	78.29	1.553	.0992	.1864	5.152
#2	.1549	-68.08	78.54	1.558	.1004	.1855	5.157
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.66	.0444	.0520	7.661	.0090	22.08	.4082
SDev	.07	.0024	.0006	.030	.0001	.12	.0010
%RSD	.1254	5.289	1.255	.3866	.8902	.5635	.2557
#1	56.61	.0460	.0516	7.641	.0090	21.99	.4075
#2	56.72	.0427	.0525	7.682	.0089	22.17	.4090
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.732	-.0074	.0390	.0515	1.720	.0073	.3536
SDev	.015	.0034	.0030	.0001	.004	.0007	.0007
%RSD	.1948	46.19	7.713	.2620	.2469	9.055	.2085
#1	7.721	-.0050	.0411	.0515	1.717	.0068	.3530
#2	7.742	-.0098	.0368	.0516	1.723	.0078	.3541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.6998	.1659	.0495	6.667
SDev	.0014	.0002	.0003	.000
%RSD	.2003	.1297	.6802	.0035
#1	.6988	.1657	.0498	6.667
#2	.7008	.1660	.0493	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	42748	--	--	--	--	--	--
SDev	22.27386	--	--	--	--	--	--
%RSD	.0521050	--	--	--	--	--	--
#1	42764	--	--	--	--	--	--
#2	42732	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JTR39 Operator: HD
Run Time: 04/20/07 13:20:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	209.6	.0060	.0311	.9597	.0082	-.0018	.3318
SDev	.0	.0004	.0004	.0008	.0000	.0022	.0010
%RSD	.0163	6.375	1.215	.0861	.1976	126.0	.2931
#1	209.6	.0058	.0308	.9603	.0082	-.0033	.3325
#2	209.6	.0063	.0314	.9592	.0082	-.0002	.3311
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	57.50	.2129	.0580	.1219	162.8	.1564
SDev	.0000	.02	.0002	.0002	.0002	.1	.0037
%RSD	110.8	.0395	.1111	.4086	.1899	.0585	2.381
#1	-.0000	57.48	.2128	.0578	.1221	162.7	.1591
#2	-.0000	57.52	.2131	.0581	.1217	162.9	.1538
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1185	-68.16	82.51	1.481	.0498	.1591	4.540
SDev	.0023	.03	.08	.000	.0019	.0002	.019
%RSD	1.963	.0493	.0972	.0248	3.742	.1499	.4192
#1	.1169	-68.18	82.45	1.481	.0511	.1593	4.526
#2	.1202	-68.14	82.57	1.481	.0485	.1589	4.553
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.06	-.0017	.0079	8.431	-.0003	22.22	.3079
SDev	.00	.0039	.0012	.005	.0004	.04	.0001
%RSD	.0062	224.3	14.82	.0645	130.8	.1851	.0309
#1	56.06	.0010	.0071	8.435	-.0000	22.24	.3079
#2	56.07	-.0045	.0088	8.427	-.0005	22.19	.3078
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.946	-.0099	L-.0096	.0103	1.046	.0063	.3225
SDev	.005	.0016	.0025	.0006	.000	.0002	.0002
%RSD	.0664	16.52	25.50	6.122	.0179	2.773	.0713
#1	6.949	-.0088	L-.0114	.0107	1.045	.0065	.3227
#2	6.943	-.0111	L-.0079	.0098	1.046	.0062	.3224
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.6683	.1310	.0047	6.667
SDev	.0018	.0003	.0005	.000
%RSD	.2728	.2513	10.39	.0015
#1	.6670	.1308	.0051	6.667
#2	.6696	.1313	.0044	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	42854	--	--	--	--	--	--
SDev	.9529369	--	--	--	--	--	--
%RSD	.0022237	--	--	--	--	--	--
#1	42854	--	--	--	--	--	--
#2	42853	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JTR4C Operator: HD
Run Time: 04/20/07 13:24:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.37	.0033	.0182	1.549	.0017	.0018	.1589
SDev	.09	.0006	.0000	.003	.0000	.0007	.0005
%RSD	.1782	18.96	.0350	.1740	.5521	37.39	.3026
#1	50.44	.0028	.0182	1.551	.0017	.0022	.1585
#2	50.31	.0037	.0182	1.547	.0017	.0013	.1592
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	H1570.	.0730	.0191	.2417	95.27	.2252
SDev	.0001	1.	.0003	.0003	.0000	.09	.0028
%RSD	4.674	.0838	.4854	1.830	.0135	.0963	1.234
#1	.0014	H1569.	.0733	.0189	.2417	95.33	.2272
#2	.0013	H1571.	.0728	.0194	.2417	95.20	.2233
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2271	-68.96	59.46	1.737	.0537	.0606	2.494
SDev	.0016	.11	.02	.001	.0008	.0001	.013
%RSD	.6977	.1611	.0414	.0749	1.463	.2449	.5176
#1	.2260	-68.88	59.48	1.738	.0542	.0607	2.503
#2	.2282	-69.04	59.44	1.736	.0531	.0605	2.485
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.41	.0012	.0026	5.212	-.0005	25.09	6.367
SDev	.03	.0005	.0019	.012	.0001	.04	.009
%RSD	.1911	39.51	74.23	.2333	11.04	.1468	.1360
#1	13.43	.0009	.0012	5.220	-.0005	25.06	6.373
#2	13.39	.0015	.0039	5.203	-.0004	25.11	6.361
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.567	-.0060	L-.0082	.0129	.6079	.0034	.1063
SDev	.026	.0035	.0033	.0002	.0015	.0011	.0003
%RSD	.3056	57.89	40.09	1.289	.2541	33.16	.2613
#1	8.585	-.0035	L-.0059	.0130	.6090	.0042	.1065
#2	8.548	-.0085	L-.0106	.0128	.6068	.0026	.1061
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	2.021	.2265	.0021	6.667
SDev	.004	.0001	.0014	.000
%RSD	.1995	.0636	67.77	.0024
#1	2.024	.2264	.0011	6.667
#2	2.018	.2266	.0031	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39045	--	--	--	--	--	--
SDev	52.50268	--	--	--	--	--	--
%RSD	.1344668	--	--	--	--	--	--
#1	39008	--	--	--	--	--	--
#2	39082	--	--	--	--	--	--

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Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 04/20/07 13:29:26
Comment:
Mode: CONC Corr. Factor: 1

As B only

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.42	.5196	.5024	.4963	.5108	.5070	.5083
SDev	.00	.0053	.0018	.0000	.0006	.0027	.0001
%RSD	.0061	1.020	.3661	.0023	.1247	.5228	.0109
#1	48.43	.5233	.5037	.4963	.5113	.5051	.5083
#2	48.42	.5159	.5011	.4963	.5104	.5089	.5082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.5283	H53.19	.5088	.5082	.4961	51.78	.5188
SDev	.0003	.20	.0007	.0005	.0008	.01	.0013
%RSD	.0617	.3839	.1336	.1041	.1631	.0099	.2429
#1	H.5285	H53.04	.5093	.5078	.4966	51.78	.5197
#2	H.5280	H53.33	.5083	.5086	.4955	51.77	.5179
Errors	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5243	-69.20	50.97	.5145	H.5488	H.5310	-.0013
SDev	.0020	.05	.01	.0002	.0003	.0002	.0002
%RSD	.3783	.0678	.0156	.0352	.0637	.0381	15.84
#1	.5229	-69.23	50.97	.5146	H.5490	H.5308	-.0014
#2	.5257	-69.16	50.96	.5143	H.5485	H.5311	-.0011
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC High	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L46.58	.5148	.5171	.0026	.5008	48.36	.4978
SDev	.01	.0026	.0011	.0019	.0011	.12	.0001
%RSD	.0216	.5026	.2079	73.60	.2263	.2584	.0225
#1	L46.57	.5166	.5179	.0012	.5016	48.27	.4977
#2	L46.59	.5130	.5164	.0039	.5000	48.45	.4979
Errors	LC Low	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.56	.5161	.5173	.4965	.0005	.0020	H.5259
SDev	.16	.0008	.0076	.0016	.0001	.0024	.0007
%RSD	.3143	.1521	1.479	.3153	32.18	119.5	.1412
#1	51.67	.5167	.5119	.4954	.0004	.0003	H.5264
#2	51.44	.5156	.5227	.4976	.0006	.0036	H.5253
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC High
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5179	.5225	.5163	6.667
SDev	.0011	.0009	.0016	.000
%RSD	.2188	.1748	.3048	.0052
#1	.5187	.5218	.5175	6.667
#2	.5171	.5231	.5152	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39098	--	--	--	--	--	--
SDev	34.68138	--	--	--	--	--	--
%RSD	.0887043	--	--	--	--	--	--
#1	39073	--	--	--	--	--	--
#2	39122	--	--	--	--	--	--

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Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 04/20/07 13:34:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0360	-.0020	.0002	.0008	-.0003	.0039	.0005
SDev	.0144	.0050	.0026	.0000	.0000	.0041	.0017
%RSD	40.18	249.9	1063.	.5958	14.15	106.2	374.5
#1	.0257	.0015	-.0016	.0008	-.0004	.0010	-.0008
#2	.0462	L-.0055	.0021	.0008	-.0003	.0068	.0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.1485	-.0005	.0008	-.0017	.0144	-.0070
SDev	.0001	.0916	.0007	.0004	.0003	.0199	.0080
%RSD	61.52	61.70	152.8	48.48	17.25	138.5	114.3
#1	-.0001	.0837	.0000	.0005	-.0019	.0003	-.0013
#2	-.0003	H.2132	-.0010	.0011	-.0015	.0285	-.0126
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	-69.13	.0054	.0002	.0240	-.0008	-.0062
SDev	.0061	.02	.0119	.0002	.0005	.0010	.0004
%RSD	150.2	.0340	220.0	100.4	2.086	126.5	6.067
#1	-.0003	-69.14	-.0030	.0001	.0243	-.0001	-.0059
#2	.0084	-69.11	.0138	.0003	.0236	-.0015	-.0065
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0574	-.0026	.0032	-.0056	-.0008	L-.4107	.0004
SDev	.0042	.0119	.0042	.0017	.0012	.4393	.0003
%RSD	7.295	461.3	128.5	30.67	155.4	107.0	71.29
#1	.0604	.0058	.0003	-.0068	.0001	-.1001	.0002
#2	.0545	-.0110	.0062	-.0044	-.0016	L-.7213	.0006
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Low	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0366	.0023	L-.0075	-.0011	-.0004	.0016	.0006
SDev	.0056	.0001	.0060	.0013	.0006	.0019	.0009
%RSD	15.21	2.102	80.43	122.4	136.1	113.8	160.4
#1	.0327	.0023	-.0032	-.0001	-.0000	.0029	.0012
#2	.0405	.0023	L-.0117	-.0020	-.0009	.0003	-.0001
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0005	.0004	.0013	6.667
SDev	.0001	.0015	.0011	.000
%RSD	31.48	341.9	85.95	.0035
#1	-.0004	-.0006	.0021	6.667
#2	-.0006	.0015	.0005	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39562	--	--	--	--	--	--
SDev	111.6870	--	--	--	--	--	--
%RSD	.2823110	--	--	--	--	--	--
#1	39483	--	--	--	--	--	--
#2	39641	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JTR4F Operator: HD
Run Time: 04/20/07 13:38:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.9	.0058	.1218	1.058	.0041	-.0008	.1946
SDev	.2	.0032	.0008	.002	.0000	.0071	.0018
%RSD	.1837	55.22	.6810	.1922	.0406	892.0	.9345
#1	112.8	.0080	.1213	1.057	.0041	.0042	.1959
#2	113.0	.0035	.1224	1.060	.0041	-.0058	.1933
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	H1372.	.5432	.0478	1.251	405.3	.7105
SDev	.0001	3.	.0011	.0008	.002	.9	.0014
%RSD	4.011	.2359	.2084	1.636	.1543	.2136	.1986
#1	.0023	H1369.	.5424	.0472	1.249	404.6	.7095
#2	.0025	H1374.	.5440	.0483	1.252	405.9	.7115
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7388	-68.56	68.84	4.619	.7120	.1755	2.349
SDev	.0005	.11	.17	.008	.0038	.0005	.004
%RSD	.0708	.1669	.2400	.1648	.5284	.2841	.1742
#1	.7392	-68.64	68.72	4.614	.7094	.1751	2.352
#2	.7385	-68.48	68.95	4.625	.7147	.1759	2.346
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	31.82	-.0083	.0113	7.997	.0007	5.877	4.148
SDev	.05	.0007	.0001	.000	.0000	.050	.007
%RSD	.1548	8.810	.6540	.0019	6.187	.8502	.1752
#1	31.78	-.0089	.0113	7.997	.0006	5.913	4.142
#2	31.85	-.0078	.0114	7.997	.0007	5.842	4.153
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.908	-.0236	L-.0098	.0200	.8429	.0025	.1835
SDev	.005	.0026	.0033	.0000	.0004	.0006	.0001
%RSD	.1302	10.86	33.61	.1934	.0504	23.43	.0346
#1	3.904	-.0218	L-.0121	.0201	.8426	.0021	.1835
#2	3.912	-.0254	L-.0075	.0200	.8432	.0029	.1836
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	1.821	.7295	.0048	6.667
SDev	.007	.0001	.0003	.000
%RSD	.3775	.0158	6.057	.0011
#1	1.816	.7294	.0046	6.667
#2	1.826	.7296	.0050	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39638	--	--	--	--	--	--
SDev	60.67032	--	--	--	--	--	--
%RSD	.1530623	--	--	--	--	--	--
#1	39681	--	--	--	--	--	--
#2	39595	--	--	--	--	--	--

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Method: TRAA2 Sample Name: JTR4J Operator: HD
Run Time: 04/20/07 13:43:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	251.1	.0023	.0448	1.685	.0096	.0014	.3936
SDev	.3	.0002	.0018	.002	.0000	.0019	.0028
%RSD	.1372	9.475	3.927	.1351	.2506	141.8	.7183
#1	250.8	.0022	.0460	1.683	.0096	.0027	.3916
#2	251.3	.0025	.0436	1.686	.0096	-.0000	.3956
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	197.6	.2385	.0708	.1161	199.8	.1407
SDev	.0000	.1	.0000	.0002	.0006	.0	.0008
%RSD	15.72	.0671	.0073	.2255	.4916	.0244	.5642
#1	-.0003	197.7	.2384	.0709	.1165	199.7	.1401
#2	-.0003	197.5	.2385	.0707	.1157	199.8	.1412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0980	-68.15	107.8	4.044	.0340	.1783	3.669
SDev	.0035	.14	.0	.002	.0013	.0001	.027
%RSD	3.560	.2034	.0370	.0458	3.898	.0476	.7446
#1	.1005	-68.05	107.9	4.042	.0349	.1782	3.650
#2	.0956	-68.25	107.8	4.045	.0330	.1783	3.689
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	66.36	-.0022	.0118	9.763	.0001	31.40	.5337
SDev	.00	.0019	.0012	.012	.0002	.13	.0007
%RSD	.0000	86.92	10.35	.1263	292.8	.4038	.1265
#1	66.36	-.0036	.0109	9.754	.0002	31.31	.5333
#2	66.36	-.0009	.0127	9.772	-.0001	31.49	.5342
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.707	-.0169	L-.0082	.0112	1.584	.0057	.3777
SDev	.006	.0005	.0038	.0009	.003	.0014	.0000
%RSD	.1024	2.883	46.05	7.715	.1803	24.47	.0110
#1	5.703	-.0166	L-.0109	.0106	1.582	.0067	.3777
#2	5.712	-.0172	L-.0055	.0118	1.586	.0047	.3777
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5164	.1121	.0072	6.667
SDev	.0006	.0021	.0014	.000
%RSD	.1078	1.852	20.26	.0040
#1	.5160	.1136	.0061	6.667
#2	.5168	.1106	.0082	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	42043	--	--	--	--	--	--
SDev	104.4750	--	--	--	--	--	--
%RSD	.2484931	--	--	--	--	--	--
#1	41970	--	--	--	--	--	--
#2	42117	--	--	--	--	--	--

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Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 04/20/07 13:48:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.46	.5202	.5047	.4973	.5120	.5016	.5097
SDev	.02	.0030	.0001	.0003	.0003	.0064	.0004
%RSD	.0359	.5692	.0211	.0702	.0613	1.269	.0838
#1	48.48	.5181	.5047	.4976	.5122	.4971	.5101
#2	48.45	.5223	.5048	.4971	.5118	.5061	.5094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.5281	H53.00	.5100	.5081	.4956	51.96	.5188
SDev	.0000	.11	.0001	.0001	.0007	.04	.0006
%RSD	.0043	.2033	.0228	.0223	.1342	.0846	.1188
#1	H.5281	H52.93	.5101	.5081	.4961	51.93	.5183
#2	H.5282	H53.08	.5099	.5082	.4952	51.99	.5192
Errors	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5248	-69.15	51.11	.5155	H.5420	H.5305	-.0040
SDev	.0017	.08	.01	.0002	.0045	.0001	.0017
%RSD	.3234	.1091	.0210	.0353	.8352	.0207	41.65
#1	.5260	-69.21	51.10	.5154	H.5388	H.5305	-.0028
#2	.5236	-69.10	51.11	.5156	H.5452	H.5304	-.0052
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC High	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L46.50	.5198	.5191	.0030	.5020	48.43	.4969
SDev	.04	.0012	.0043	.0023	.0003	.11	.0002
%RSD	.0837	.2298	.8327	75.03	.0567	.2351	.0485
#1	L46.53	.5206	.5221	.0046	.5022	48.52	.4971
#2	L46.48	.5190	.5160	.0014	.5018	48.35	.4968
Errors	LC Low	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.64	.5124	.5229	.4956	.0006	.0018	H.5268
SDev	.01	.0014	.0026	.0021	.0001	.0001	.0002
%RSD	.0111	.2677	.4888	.4131	13.93	4.663	.0411
#1	51.63	.5114	.5211	.4941	.0006	.0018	H.5267
#2	51.64	.5134	.5247	.4970	.0007	.0017	H.5270
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC High
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5195	.5228	.5193	6.667
SDev	.0006	.0009	.0033	.000
%RSD	.1228	.1786	.6336	.0060
#1	.5199	.5235	.5216	6.667
#2	.5190	.5222	.5170	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38905	--	--	--	--	--	--
SDev	122.0836	--	--	--	--	--	--
%RSD	.3138008	--	--	--	--	--	--
#1	38818	--	--	--	--	--	--
#2	38991	--	--	--	--	--	--

Analysis Report 04/20/07 01:57:46 PM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 04/20/07 13:53:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0584	-.0007	-.0000	.0005	-.0003	.0056	-.0010
SDev	.0336	.0042	.0019	.0003	.0001	.0010	.0004
%RSD	57.55	622.2	7377.	52.84	34.78	18.78	35.88
#1	.0346	-.0037	-.0014	.0003	-.0004	.0049	-.0007
#2	.0822	.0023	.0013	.0007	-.0002	.0063	-.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.1048	-.0002	.0006	-.0014	.0382	-.0029
SDev	.0001	.1159	.0000	.0004	.0012	.0332	.0006
%RSD	59.09	110.5	11.75	73.02	82.39	87.03	22.28
#1	-.0001	.0229	-.0002	.0003	-.0023	.0147	-.0024
#2	-.0000	.1868	-.0001	.0009	-.0006	H.0617	-.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	-69.18	.0156	.0006	.0156	-.0009	-.0064
SDev	.0015	.56	.0194	.0005	.0009	.0005	.0018
%RSD	45.68	.8128	124.2	86.45	5.941	55.81	28.27
#1	.0022	-69.58	.0019	.0002	.0149	-.0013	-.0077
#2	.0043	-68.78	.0293	.0010	.0162	-.0006	-.0051
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0132	.0013	-.0009	-.0055	-.0003	-.1727	.0003
SDev	.0065	.0007	.0000	.0014	.0001	.0094	.0003
%RSD	49.30	54.81	3.377	24.81	44.18	5.419	112.6
#1	.0086	.0018	-.0009	-.0065	-.0004	-.1661	.0001
#2	.0177	.0008	-.0009	-.0046	-.0002	-.1793	.0005
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 04/20/07 01:57:46 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0384	-.0020	-.0008	.0000	-.0001	.0002	.0007
SDev	.0123	.0006	.0030	.0013	.0001	.0001	.0003
%RSD	32.11	27.80	390.8	3411.	173.3	34.80	48.61
#1	.0297	-.0024	-.0029	-.0008	-.0002	.0002	.0005
#2	.0471	-.0016	.0014	.0009	.0000	.0001	.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0000	.0012	-.0002	6.667
SDev	.0008	.0008	.0002	.000
%RSD	1797.	64.00	141.9	.0051
#1	-.0006	.0007	.0000	6.667
#2	.0005	.0018	-.0003	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39741	--	--	--	--	--	--
SDev	57.59330	--	--	--	--	--	--
%RSD	.1449230	--	--	--	--	--	--
#1	39700	--	--	--	--	--	--
#2	39781	--	--	--	--	--	--

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 7471A Mercury

Associated Samples: 1-5

Batch Number: 7114205

QC & Sample Data

STL

STL Austin

DATA REVIEW CHECKLIST
Cold Vapor Atomic Absorption Method for Mercury Analyses

Run/Project Information:

Circle Method Used: 245.1 / 7470A : AUS-MT-0005 245.5 / 7471A : AUS-MT-0007

Other SOP: _____

Analyst: [illegible] Run Date: 4/24/07 Instrument: E2

Prep Batches: 7114205

HBN: _____

Review Items:

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV analyzed at appropriate frequency and within control limits? (90-110%)	✓			✓
3. CCV analyzed at appropriate frequency and within control limits? (245.1/245.5 = 90-110%, 7470A/7471A = 80-120%)	✓			✓
4. ICB/CCB analyzed at appropriate frequency and within +/– PQL or +/– RL?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < PQL or RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. All unused analyses noted on the sequence with the reason	✓			✓
4. Calculations and transcriptions checked for error?	✓			✓
5. All client/project specific requirements met?	✓			✓
6. Date/time of analysis verified as correct?	✓			✓

Analyst: [illegible] Date: 4/24/07

Comments:

2nd Level Reviewer: [illegible] Date: 4/25/07

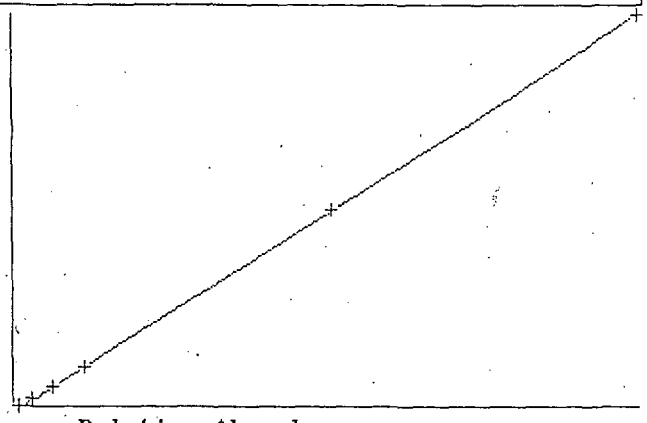
Comments:

RunProt: WATERS
RunFold: HG70424C Seq: 6 Batch:
Prnt: R/T On Pump: On
Rev: 4.2 17:25:03 24 Apr 2007 Xmit: Off Gas: 1.00 LPM
State: Idle User: SFP A/S: On

CALIBRATION: Line proto: WATERS

	Hg Conc.	Calc.	Dev.	Accepted liNear	
S1	.0000	-.0120	-.0120	->quadratic	
S2	.2000	.1900	-.0100	Wtdlinear	
S3	.5000	.5114	.0114		C
S4	1.000	1.017	.0166	Accept	o
S5	5.000	4.992	-.0078		n
S6	10.00	10.00	.0018		c

A 1.4779e-12 r .999996
B 2.04320e-5 C -1.31260e-1



	Mean			Relative Absorbance
S1	5836	0 SD	5836	11554?
S2	15704	0 %RSD	15704	37089?
S3	31384	0 %RSD	31384	
S4	55951	0 %RSD	55951	
S5	246367	0 %RSD	246367	
S6	479322	0 %RSD	479322	

New cal coefficients stored

4/24/07

MERCURY SAMPLE DIGESTION BENCH SHEET

DIGESTION INFORMATION

Analyst [illegible] Date 4/24/07

Water Bath Temp — °C Autoclave Temp 114 °C Pressure 15 psi

Thermometer ID — Recal due: — Thermometer ID 4277 Recal due: 11/07

Digestion Start Time 1200 Balance ID XXXVII(37)

Stop Time 1215

SOP ___ AUS-MT-0005, current revision, SW846 7470A & MCAWW 245.1

✓ AUS-MT-0007, current revision, SW846 7471A & MCAWW 245.5

___ Other: ___

Sample	Wet Weight (g)	Aq. Vol (mL)	Final Vol (mL)	Comments
JVH6G B	0.60	NA	50	B# 7114205
C	0.60			
JTR30	0.67			
S	0.62			
D	0.70			
39	0.61			
4C	0.71			
4F	0.61			
4J	0.65			
JVG71	0.64			
8R	0.61			
9E	0.77			
9H	0.67			
9K	0.70			
9O	0.62			
94	0.62			
JVHAA	0.64			

Comments:

[illegible] 4/24/07

MERCURY SAMPLE DIGESTION BENCH SHEET

REAGENT INFORMATION

Digestion Reagent	STD. LOG #	Digestion Reagent	STD. LOG #
Sulfuric Acid	H2SO4-00001	Potassium Permanganate	07MET0138
Nitric Acid	HNO3-00002	Potassium Persulfate	06MET0742
Hydrochloric Acid	HCL-00003	Stannous Chloride	07MET0225
Sodium Chloride	02MET1193	Hydroxylamine Hydrochloride	↓ 0137

STANDARD INFORMATION

Standard	STD. LOG #	Standard	STD. LOG #	Standard	STD. LOD #
Blank (0µg/L)	--------	Std. 3 (1.0µg/L)	0.5mL 07MET0222	Calibration Std.	07MET0222
Std. 1 (0.2µg/L)	0.1mL 07MET0222	Std. 4/CCV (5.0µg/L)	2.5mL	QC Std.	07MET0223
Std. 2 (0.5µg/L)	0.25mL ↓	Std. 5 (10µg/L)	5.0mL ↓	ICV (2.0µg/L)	1.0mL ↓

Water curve based on 10mL sample → 10mL final volume. Curve for solids based on 0.6g sample → 50mL final volume.
All standards and QC samples are digested.

SPIKING INFORMATION

QC	Amount	Conc.	STD. LOG #	Spiker
LCS/LCSD	2.5 mL of	100ppb	07MET0222	[illegible]
MS/MSD	1.0 mL of	↓	↓	↓
DCS	— mL of	—	—	—

Sample #	Wet Weight (g)	Aq Volume (mL)	Final Volume (mL)	Comments

[illegible]
4/24/07

Comments:

LEEMAN PS 200II: CVAA-E2 ANALYST / DATE: 4/24/07

DAILY CHECK & MAINTENANCE:	
Clean Lens ✓	Check Argon Flow ✓
Aperture ✓	Check Tubing ✓
Replace Drying Tube ✓	Check Drain ✓
OTHER MAINTENANCE / COMMENTS:	

4/24/07

SOP ✓ AUS-MT-0005, current revision, SW846 7470A & MCAWW 245.1
✓ AUS-MT-0007, current revision, SW846 7471A & MCAWW 245.5
___ Other: _____

Water curve based on 10 mL sample → 10 mL final volume; curve for solids based on 0.60 g sample → 50 mL final volume; all standards (except analytical spike) are digested.

See Mercury Digestion Logbook for reagents and the standards, samples, & QC digestion information.

LEEMAN PS 200II: CVAA-E2 ANALYST / DATE: 4/24/07

FILENAME #: HG70424C PS 200II CLOCK DATE/TIME: 4/24/07 17:15

SAMPLE ID	COMMENTS	SAMPLE ID	COMMENTS
Calibrate Std.	1-6 ; 0-10ppb		
ICV	CK3 CHK2		
CCV	CK2 CHK4		
ICB	CK1 CHK1		
JVH66B			
C			
JTR30	PARENT		
S			
D			
39			
4C			
4F			
4J			
JVG71			
CCV	CK2 CHK4		4/24/07
CCB	CK1 CHK1		
JVG8R			
9E			
9H			
9K			
9O			
9Q			
JVHAA			
CCV/CCB	Same		
	4/24/07		

Folder: HG70424C Page 1
17:57:55 24 Apr 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 17:16:57 24 Apr 2007 HG

Hg .0000 ug/L 5836

*** Standard: 2 Rep: 1 Seq: 1 17:18:47 24 Apr 2007 HG

Hg .2000 ug/L 15704

*** Standard: 3 Rep: 1 Seq: 2 17:20:16 24 Apr 2007 HG

Hg .5000 ug/L 31384

*** Standard: 4 Rep: 1 Seq: 3 17:21:56 24 Apr 2007 HG

Hg 1.000 ug/L 55951

*** Standard: 5 Rep: 1 Seq: 4 17:23:15 24 Apr 2007 HG

Hg 5.000 ug/L 246367

*** Standard: 6 Rep: 1 Seq: 5 17:24:38 24 Apr 2007 HG

Hg 10.00 ug/L 479322

*** Check Standard: 3 Ck3Chk2 Seq: 6 17:26:06 24 Apr 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.9	2.098	2.000	ug/L	.0000

*** Check Standard: 2 Ck2Chk4 Seq: 7 17:27:25 24 Apr 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.8	5.039	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 8 17:28:51 24 Apr 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0157	.2000	ug/L	.0000

*** Sample ID: JVH6GB Seq: 9 17:30:20 24 Apr 2007 HG

Hg .0284 L ug/L .0000 .0284

*** Sample ID: JVH6GC Seq: 10 17:31:34 24 Apr 2007 HG

Hg 4.578 ug/L .0000 4.578

*** Sample ID: JTR30 Seq: 11 17:32:48 24 Apr 2007 HG

Hg .1218 L ug/L .0000 .1218

Folder: HG70424C Page 2
17:57:55 24 Apr 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: JTR30S Seq: 12 17:34:13 24 Apr 2007 HG

Hg 1.827 ug/L .0000 1.827

*** Sample ID: JTR30D Seq: 13 17:35:26 24 Apr 2007 HG

Hg 1.885 ug/L .0000 1.885

*** Sample ID: JTR39 Seq: 14 17:36:42 24 Apr 2007 HG

Hg .1597 L ug/L .0000 .1597

*** Sample ID: JTR4C Seq: 15 17:37:57 24 Apr 2007 HG

Hg .0658 L ug/L .0000 .0658

*** Sample ID: JTR4F Seq: 16 17:39:13 24 Apr 2007 HG

Hg .8677 ug/L .0000 .8677

*** Sample ID: JTR4J Seq: 17 17:40:37 24 Apr 2007 HG

Hg .1526 L ug/L .0000 .1526

*** Sample ID: JVG71 Seq: 18 17:42:07 24 Apr 2007 HG

Hg .0388 L ug/L .0000 .0388

*** Check Standard: 2 Ck2Chk4 Seq: 19 17:43:27 24 Apr 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.4	5.121	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 20 17:44:44 24 Apr 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0208	.2000	ug/L	.0000

*** Sample ID: JVG8R Seq: 21 17:46:19 24 Apr 2007 HG

Hg .3464 ug/L .0000 .3464

*** Sample ID: JVG9E Seq: 22 17:47:33 24 Apr 2007 HG

Hg .1167 L ug/L .0000 .1167

*** Sample ID: JVG9H Seq: 23 17:48:50 24 Apr 2007 HG

Hg .4844 ug/L .0000 .4844

Folder: HG70424C Page 3
17:57:55 24 Apr 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: JVG9K Seq: 24 17:50:04 24 Apr 2007 HG

Hg	.2292	ug/L	.0000	.2292

*** Sample ID: JVG90 Seq: 25 17:51:38 24 Apr 2007 HG

Hg	.2964	ug/L	.0000	.2964

*** Sample ID: JVG94 Seq: 26 17:52:53 24 Apr 2007 HG

Hg	.4136	ug/L	.0000	.4136

*** Sample ID: JVHAA Seq: 27 17:54:09 24 Apr 2007 HG

Hg	.1578 L	ug/L	.0000	.1578

*** Check Standard: 2 Ck2Chk4 Seq: 28 17:55:44 24 Apr 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.7	5.136	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 29 17:57:01 24 Apr 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0312	.2000	ug/L	.0000

WET CHEMISTRY

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: % Moisture, D2216-90

Associated Samples: 1-2 ; 3-5

Batch Number: 7102440 ; 7102446

QC & Sample Data

STL AUSTIN

GENERAL CHEMISTRY CHECK LIST

BATCH NUMBERS	BATCH NUMBERS
7102440	
7102446	

Method Name/Type: % Moist

Instrument ID: A1

Analysis Date: 04/12/07

ICAL Date: N/A

Review Item	YES	NO	N/A	2nd Review
Initial Calibration				
Is the initial calibration correlation coefficient ≥ 0.995 ?			✓	✓
Does the standard curve consist of a Blank(when required) ?			✓	✓
Does the curve consist of the minium number of calibration standards?			✓	✓
Initial Calibration Verification(ICV) analyzed immediately after calibration?			✓	✓
Initial Calibration Blank(ICB) analyzed immediately after ICV?			✓	✓
Does the ICV and ICB pass QC requirments?			✓	✓
Continuing Calibration				
Continuing Calibration Verification (CCV) analyzed at required frequency?			✓	✓
Continuing Calibration Blank(CCB) analyzed at required frequency?			✓	✓
Does the CCV and CCB pass QC requirments?			✓	✓
Sample Analysis				
Were all sample holding times met ?	✓			✓
Were any samples concentrations > than the linear range for any parameter diluted and reanalyzed?			✓	✓
Quality Control Samples				
Is method Blank concentration less than the reporting limit?			✓	✓
Is the Laboratory Control Sample (LCS) recovery within limits?			✓	✓
MS or MS/MSD percent recovery within QC limits			✓	✓
When MS/MSD analyzed , is RPD within QC limits?			✓	✓
When duplicate analysis performed, is RPD within QC limits (± 20%)	✓			✓
Other				
All nonconformances included and noted			✓	✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
Transcriptions checked for accuracy	✓			✓
All unused analyses noted on sequence with the reason	✓			✓
All calculations checked at minimum frequency	✓			✓
Units checked	✓			✓
Manual integration checked by 2nd reviewer			✓	✓

Comment on any "NO" response:

Analyst WTJ Date 04/12/07

STL AUSTIN

% MOISTURE GRAVIMETRIC ANALYSES LOG

METHOD: ASTM
SOP #: AUS-WC-0001, current revision
ANALYST: WTJ

Batch # 7102440, 7102446
INITIAL DATE / TIME: 04/12/07 1630
FINAL DATE / TIME: 04/13/07 0800

Balance #: 23	Oven #: 3c	Oven Temp.: 104.5

NOTE: There must be a second weighing if the dish is in the oven less than 12 hours to document constant weight.

Sample ID	Dish #	Tare Wt. (gms)	Wet Wt. (gms)	Final Dry Wt. (gms)	Comments
JTKP8	1	0.89	6.25	6.23	
JTF8P	2	0.90	8.55	8.49	
JTF8PX	3	0.90	7.36	7.30	Dup
JTF84	4	0.88	7.12	6.97	
JTF87	5	0.89	6.71	6.50	
JTF88	6	0.88	7.04	6.91	
JTF89	7	0.88	6.21	6.10	
JTF9E	8	0.89	6.50	6.31	
JTLRG	9	0.88	7.15	5.25	
JTLT5	10	1.00	6.25	5.04	
JTLVE	11	1.01	7.58	4.58	
JTRFT	12	1.01	7.09	6.91	
JTRGV	13	1.02	6.53	6.06	
JTRG2	14	0.90	7.17	6.21	
JTRHE	15	0.87	6.16	5.96	
JTRJG	16	1.00	7.17	7.05	
JTRJM	17	0.99	6.34	6.21	
JTRJP	18	1.02	7.85	7.59	
JTQ8J	19	1.00	6.82	6.83	
JTR30	20	1.01	7.32	4.92	
JTR39	21	1.01	6.87	4.71	
JTR4C	22	0.88	7.83	6.78	
JTR4F	23	0.88	8.97	7.74	
JTR4J	24	0.88	7.74	5.30	
JTR4JX	25	1.01	7.04	4.94	Dup
					WTJ 04/12/07

Severn Trent
Austin Laboratory

GRAVIMETRIC CALCULATION BENCHSHEET

ANALYST: BTJ
ANALYSIS DATE: 04/12/07 16:30
METHOD NO.: MIST
BALANCE NO.: A1
BATCH NO.: 7102440
FILE: 041207A

	Lab ID	Time	True Conc. mg/L	Cup #	Tare Wt. gram	Init. Weight gram	Init Dried Wt. gram	Final Dried Wt gram	Percent Moisture %	%Rec.	Check
1	JTKP8	16:30			0.8900	6.25	NA	6.2300	0.37		< RL
2	JTF8P	16:32			0.9000	8.55	NA	8.49	0.78		
3	JTF8PX	16:34	DUPLICATE		0.9000	7.36	NA	7.3	0.93		
4	JTF84	16:36			0.8800	7.12	NA	6.97	2.4		
5	JTF87	16:38			0.8900	6.71	NA	6.5	3.61		
6	JTF88	16:40			0.8800	7.04	NA	6.91	2.11		
7	JTF89	16:42			0.8800	6.21	NA	6.1	2.06		
8	JTF9E	16:44			0.8900	6.50	NA	6.31	3.39		
9	JTLRG	16:46			0.8800	7.15	NA	5.25	30.3		
10	JTLT5	16:48			1.0000	6.25	NA	5.04	23		
11	JTLVE	16:50			1.0100	7.58	NA	4.58	45.7		
12	JTRFT	16:52			1.0100	7.09	NA	6.91	2.96		
13	JTRGV	16:54			1.0200	6.53	NA	6.06	8.53		
14	JTRG2	16:56			0.9000	7.17	NA	6.21	15.3		
15	JTRHE	16:58			0.8700	6.16	NA	5.96	3.78		
16	JTRJG	17:00			1.0000	7.17	NA	7.05	1.94		
17	JTRJM	17:02			0.9900	6.34	NA	6.21	2.43		
18	JTRJP	17:04			1.0200	7.85	NA	7.59	3.81		
19	JTQ8J	17:06			1.0000	6.82	NA	6.83	-0.172		< RL
20	JTR30	17:08			1.0100	7.32	NA	4.92	38		
21	JTR39	17:10			1.0100	6.87	NA	4.71	36.9		
22											
23											
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Severn Trent
Austin Laboratory

GRAVIMETRIC CALCULATION BENCHSHEET

ANALYST: BTJ
ANALYSIS DATE: 04/12/07 17:30
METHOD NO.: MIST
BALANCE NO.: A1
BATCH NO.: 7102446
FILE: 041207B

	Lab ID	Time	True Conc. mg/L	Cup #	Tare Wt. gram	Init. Weight gram	Init Dried Wt. gram	Final Dried Wt gram	Percent Moisture %	%Rec.	Check
1	JTR4C	17:30			0.8800	7.83	NA	6.7800	15.1		
2	JTR4F	17:32			0.8800	8.97	NA	7.74	15.2		
3	JTR4J	17:34	[illegible]		0.8800	7.74	NA	5.3	35.6		
4	JTR4JX	17:36			1.0100	7.04	NA	4.94	34.8		
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Semivolatile GC

Supporting Documentation

Sample Sequence, Chromatograms

STL

Lot ID: ~~D7D~~ 2DW 4/25/07 I7D120264

Client: EA Eng.

Method: 8081 A

Associated Samples: 5

Batch #(s): 7107012

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: Teresa L. Williams 4/25/07

GC SEMIVOLATILE ORGANIC EXTRACTION LOG SHEETS

STL

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/20/07
Time: 35:30

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 008881 Kazimierz Kudla

Concentrationist: 000130 Rhain Carpenter

QC BATCH: 7107012

PREP DATE: 4/17/07 10:00
COMP DATE: 4/19/07 23:05

Reviewer/Date: CARPENTER / 4/19/07

Pesticides (8081A)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/23/07	4/26/07	I7D120264-005 **JTR4J-1-A2**	D	13	QJ	SOLID	**30.5g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV629 3/23/7
COMMENTS:															
4/23/07	4/26/07	I7D120264-005 **JTR4J-1-A6S**	D	13	QJ	SOLID	**30.7g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV664 4/12/7 1ML GSV629 3/23/7
COMMENTS:															
4/23/07	4/26/07	I7D120264-005 **JTR4J-1-A7D**	D	13	QJ	SOLID	**30.8g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV664 4/12/7 1ML GSV629 3/23/7
COMMENTS:															
4/23/07	0/00/00	D7D170000-012 **JT1XD-1-AAB**		13	QJ	SOLID	**28.1g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV629 3/23/7
COMMENTS:															
4/23/07	0/00/00	D7D170000-012 **JT1XD-1-ACC**		13	QJ	SOLID	**29.5g** 10.00mL	NA	NA	NA	1/1	300.0	HEXANE	50.0	1ML GSV664 4/12/7 1ML GSV629 3/23/7
COMMENTS:															

DEN-OP-0009/0007 BAL:D53923 NA2S04:C30599 SAND:VS0301 MECL2/ACETONE:C42E33
S/S-K-B W:KA S/S BLK W/7107011 BATH A:88C HEXANE:C39E16 PIP:OP-P1

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 5

GC SEMIVOLATILE INSTRUMENT LOG SHEETS

STL

Sequence: C:\HPCHEM\1\SEQUENCE\C042007.S

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	PRIMER				
2	Vial 2	EVAL B				
3	Vial 3	HEXANE				
4	Vial 4	AP9 L4 GSV000507				
5	Vial 5	AB L4 GSV019707				
6	Vial 6	TOX L1 GSV119006				
7	Vial 7	JLQ5G1AD,154-2				
8	Vial 8	JLQ5G1AE,154-2				
9	Vial 9	JTF431AA,BLK				
10	Vial 10	JT7D61AC,LCS				
11	Vial 11	JT4A41AC,LCS				
12	Vial 12	JTW421AC,LCS				
13	Vial 13	JTW421AD,LCSD				
14	Vial 14	JTW421AE,LCStox				
15	Vial 15	JT6R91AC,LCS				
16	Vial 16	JT1XD1AC,LCS				
17	Vial 17	AP9 L4 GSV000507				
18	Vial 18	AB L4 GSV019707				
19	Vial 19	TOX L1 GSV119006				
20	Vial 20	JTV601AA,195-2				
21	Vial 21	JT7D61AA,BLK				
22	Vial 22	JTV1T1AD,172-1				
23	Vial 23	JTXC41AA,324-1				
24	Vial 24	JTXC41AC,324-1S				
25	Vial 25	JTXC41AD,324-1D				
26	Vial 26	JT0F01AA,167-1				
27	Vial 27	JT4A41AA,BLK				
28	Vial 28	JTRR91A2,218-1				
29	Vial 29	JTRT71AL,218-2				
30	Vial 30	AP9 L4 GSV000507				
31	Vial 31	AB L4 GSV019707				
32	Vial 32	TOX L1 GSV119006				
33	Vial 33	JTRT91AL,218-3				
34	Vial 34	JTRVC1AL,218-4				
35	Vial 35	JTW421AA,BLK				
36	Vial 36	JT2M21A5,171-1				
37	Vial 37	JT2M71AG,171-2				
38	Vial 38	JT2M81AG,171-3				
39	Vial 39	JT2M91AG,171-4				
40	Vial 40	JT2NC1AG,171-5				
41	Vial 41	JT2XW1AJ,197-1				
42	Vial 42	JT2X81AV,197-3				
43	Vial 43	AP9 L4 GSV000507				
44	Vial 44	AB L4 GSV019707				
45	Vial 45	TOX L1 GSV119006				
46	Vial 46	JT20F1AV,197-5				
47	Vial 47	JT20N1AV,197-7				
48	Vial 48	JT20V1AV,197-9				
49	Vial 49	JT2001AV,197-11				
50	Vial 50	JT2061AV,197-13				
51	Vial 51	JT21G1AV,197-15				
52	Vial 52	JT21J1AV,197-17				
53	Vial 53	JT21L1AV,197-19				
54	Vial 54	JT21N1AV,197-21				
55	Vial 55	JT21Q1AV,197-23				
56	Vial 56	AP9 L4 GSV000507				
57	Vial 57	AB L4 GSV019707				
58	Vial 58	TOX L1 GSV119006				
59	Vial 59	JT6R91AA,BLK				

Sequence: C:\HPCHEM\1\SEQUENCE\C042007.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
60	Vial 60	JTR4J1A2,264-5				
61	Vial 61	JTR4J1A6,264-5S				
62	Vial 62	JTR4J1A7,264-5D				
63	Vial 63	JT1XD1AA,BLK				
64	Vial 64	AP9 L4 GSV000507				
65	Vial 65	AB L4 GSV019707				
66	Vial 66	TOX L1 GSV119006				
67	Vial 99	HEXANE				
68	Vial 100	HEXANE				

Sequence Table (Back Injector):

No entries - empty table!

GC SEMIVOLATILE CONTINUING CALIBRATION DATA

STL

Data File: /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Report Date: 04/23/2007

EVALB Degradation Report

Instrument ID: GC_C.i Injection Date: 20-APR-2007 15:06
Lab File ID: C#A-002f0201.d Lab Sample ID: EVAL B
Analysis Type: NONE Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

4,4'-DDT Degradation

RT	Area	Compound
6.9340	60089678	4,4'-DDT
5.8690	634600	4,4'-DDE
6.5915	2409480	4,4'-DDD

Percent Degradation of 4,4'-DDT: 4.82

CL 4/24/07

Endrin Degradation

RT	Area	Compound
6.3831	56444946	Endrin
7.0223	1373218	Endrin aldehyde
7.9340	2406792	Endrin ketone

Percent Degradation of Endrin: 6.28

Data File: /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Lab Smp Id: EVAL B
Inj Date : 20-APR-2007 15:06
Operator : Michael Inst ID: GC_C.i
Smp Info : EVAL B
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALB.sub
Target Version: 3.50
Processing Host: chemsv04

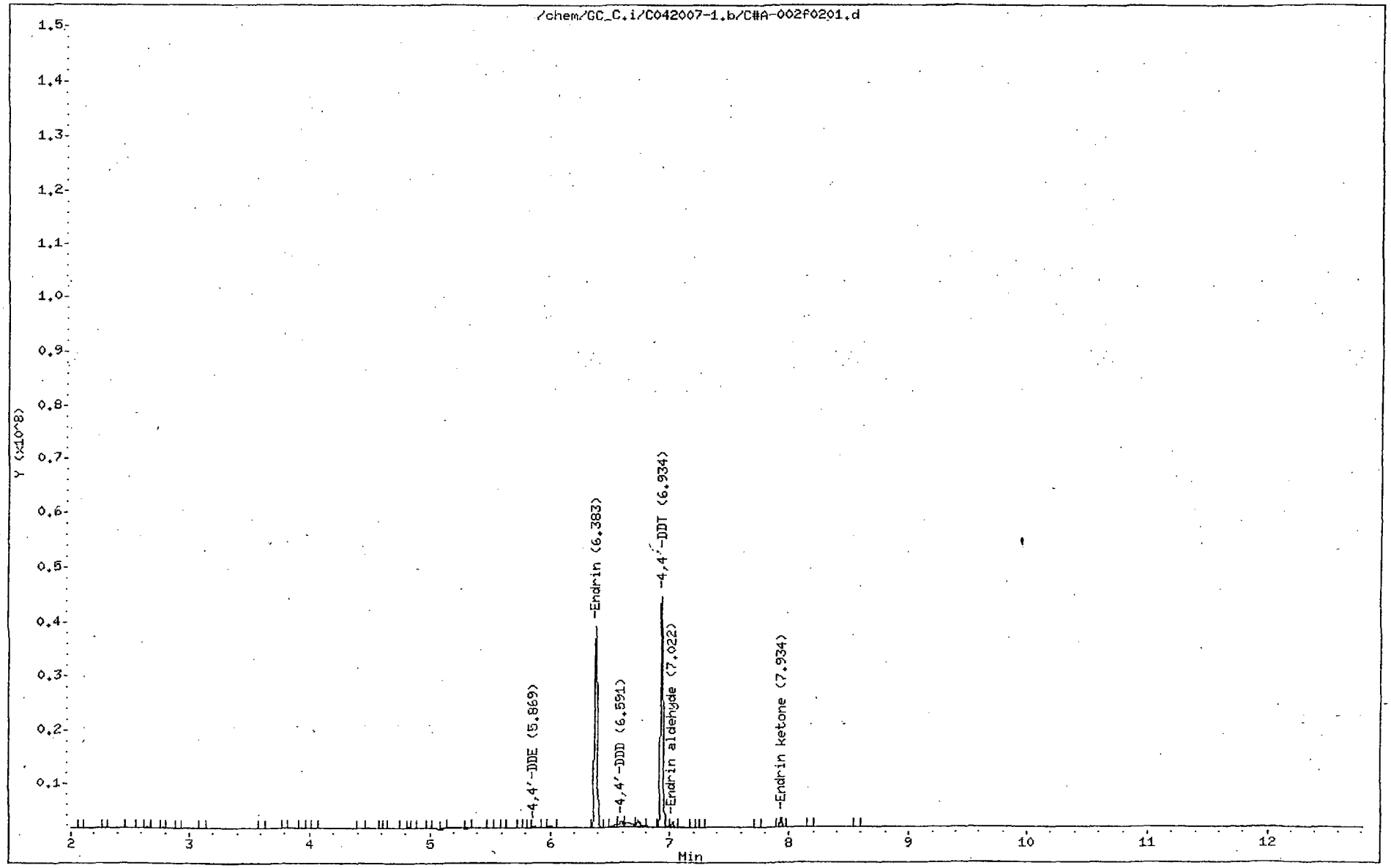
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
23 Endrin	6.383	6.382	0.001	56444946	50.0000	43.852
28 4,4'-DDT	6.934	6.933	0.001	60089678	50.0000	77.535
32 Endrin ketone	7.934	7.933	0.001	2406792	50.0000	0.88639

Data File: /chem/GC_C.i/C042007-1.b/C#A-002f0201.d
Date : 20-APR-2007 15:06
Client ID:
Sample Info: EVAL B

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-002f0201.d
Report Date: 04/23/2007

EVALB Degradation Report

Instrument ID: GC_C.i Injection Date: 20-APR-2007 15:06
Lab File ID: C#B-002f0201.d Lab Sample ID: EVAL B
Analysis Type: NONE Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

4,4'-DDT Degradation

RT	Area	Compound
7.5481	50368590	4,4'-DDT
6.5540	743984	4,4'-DDE
7.2015	3784785	4,4'-DDD

Percent Degradation of 4,4'-DDT: 8.25

Endrin Degradation

RT	Area	Compound
6.9748	56851641	Endrin
7.4323	1216680	Endrin aldehyde
8.1965	1933741	Endrin ketone

Percent Degradation of Endrin: 5.25

Data File: /chem/GC_C.i/C042007-2.b/C#B-002f0201.d Page 1
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-002f0201.d
Lab Smp Id: EVAL B
Inj Date : 20-APR-2007 15:06
Operator : Michael Inst ID: GC_C.i
Smp Info : EVAL B
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
24 Endrin	6.975	6.976	-0.001	56851641	50.0000	42.926
30 4,4'-DDT	7.548	7.547	0.001	50368590	50.0000	69.640
26 4,4'-DDD	7.201	7.194	0.007	3784785	50.0000	2.8317
33 Endrin ketone	8.196	8.196	0.000	1933741	50.0000	1.4692

Data File: /chem/GC_C.i/C042007-2.b/C#B-002f0201.d

Date : 20-APR-2007 15:06

Client ID:

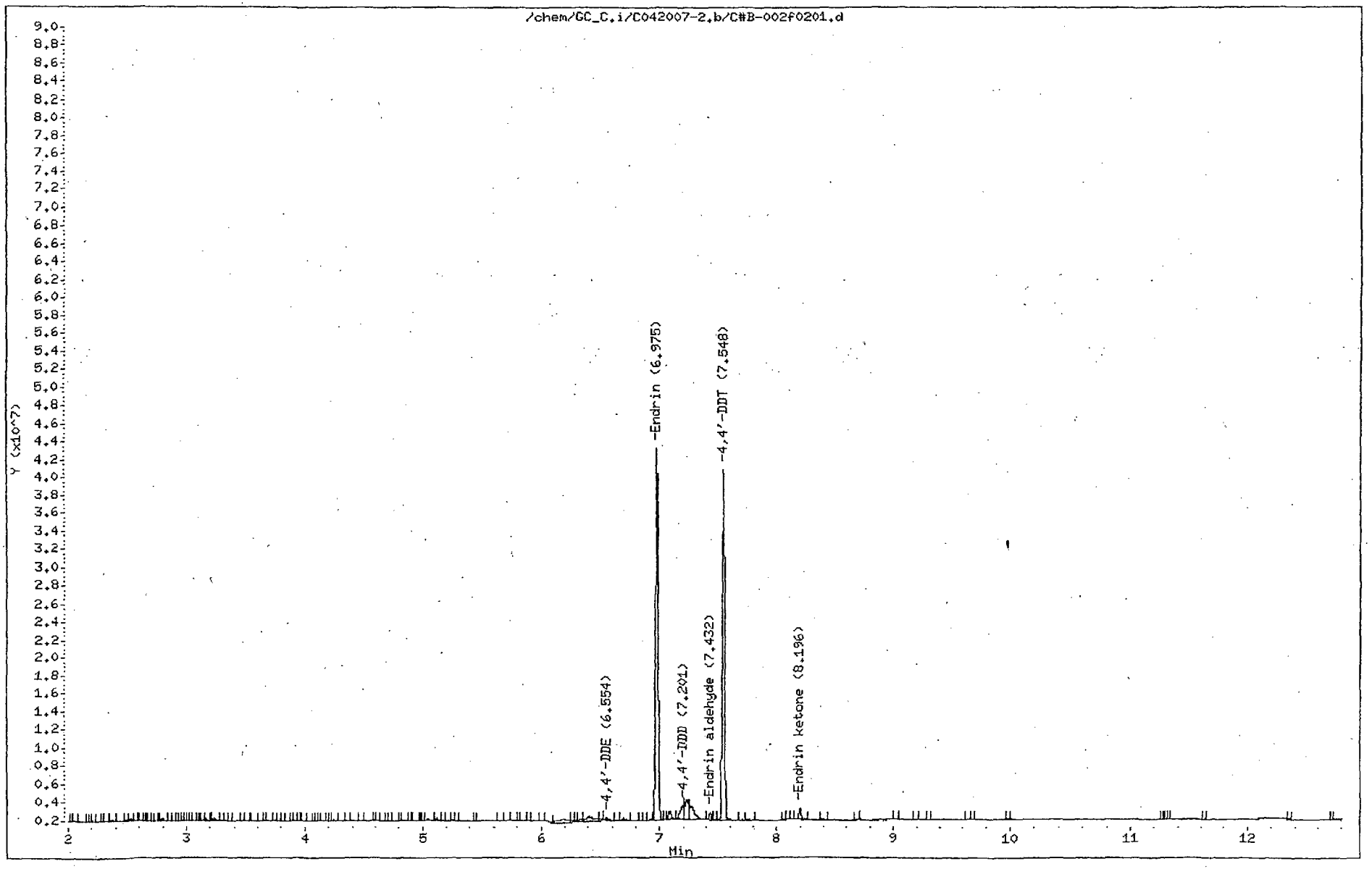
Sample Info: EVAL B

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-004f0401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-004f0401.d
Analysis Type: NONE

Injection Date: 20-APR-2007 15:54
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	5232.0355	49.5	15.0	<-
118 chlorpyrifos	175.0000	260.8328	49.0	15.0	<-
119 Isodrin/Dicofol	175.0000	262.7105	50.1	15.0	<-
121 2,4'-DDE	35.0000	53.0078	51.5	15.0	<-
122 2,4'-DDD	35.0000	51.4638	47.0	15.0	<-
125 Chlorobenzilate	350.0000	508.9334	45.4	15.0	<-
123 2,4'-DDT	35.0000	52.0738	48.8	15.0	<-
124 Kepone	350.0000	486.7157	39.1	53.0	
126 DBPP	1750.0000	3836.6932	119.2	15.0	<-

Average %D = 55.5

Data File: /chem/GC_C.i/C042007-1.b/C#A-004f0401.d
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-004f0401.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 15:54
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.892	0.001	180104733	3500.00	5232.0(A)
11 chlorpyrifos	5.026	5.026	0.000	146113142	175.000	260.83
12 Isodrin/Dicofol	5.226	5.226	0.000	325225563	175.000	262.71(A)
15 2,4'-DDE	5.561	5.561	0.000	48829832	35.0000	53.008
21 2,4'-DDD	6.098	6.097	0.001	42336710	35.0000	51.464
22 Chlorobenzilate	6.226	6.226	0.000	42291376	350.000	508.93(A)
24 2,4'-DDT	6.456	6.455	0.001	42124980	35.0000	52.074
25 Kepone	6.512	6.511	0.001	202607963	350.000	486.72(A)
35 DBPP	11.234	11.235	-0.001	231678367	1750.00	3836.7

QC Flag Legend

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

501

Data File: /chem/GC_C.i/C042007-1.b/C#A-004f0401.d

Date : 20-APR-2007 15:54

Client ID:

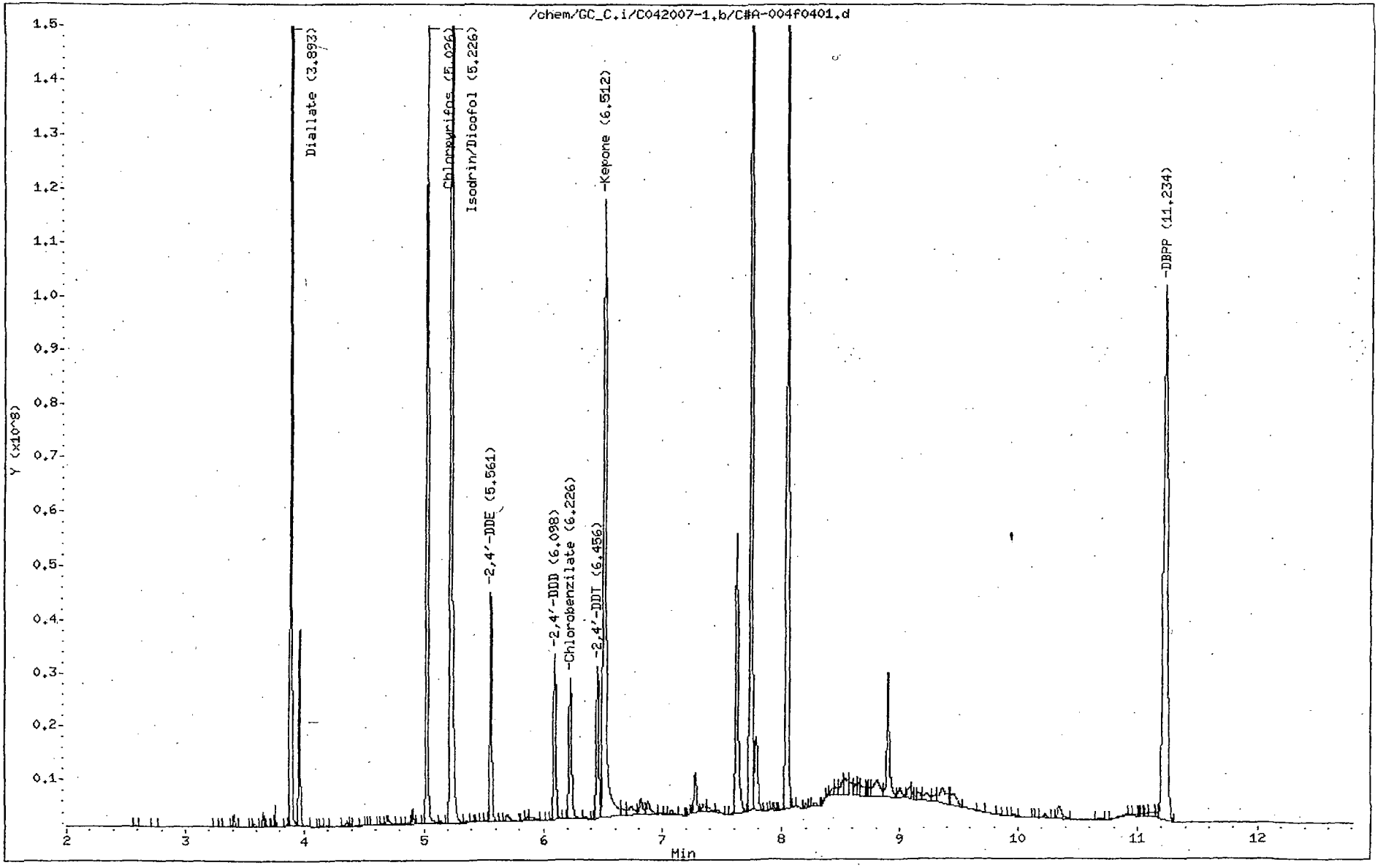
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-004f0401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-004f0401.d
Analysis Type: NONE

Injection Date: 20-APR-2007 15:54
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	5198.0457	48.5	15.0	<-
124 Chlorpyrifos	175.0000	260.1532	48.7	15.0	<-
134 Dicofol	350.0000	427.2984	22.1	15.0	<-
125 Isodrin	175.0000	261.5946	49.5	15.0	<-
127 2,4'-DDE	35.0000	53.4415	52.7	15.0	<-
128 2,4'-DDD	35.0000	50.6850	44.8	15.0	<-
131 Chlorobenzilate	350.0000	523.0659	49.4	15.0	<-
129 2,4'-DDT	35.0000	52.0428	48.7	15.0	<-
130 Kepone	350.0000	263.0973	24.8	53.0	
132 DBPP	1750.0000	3623.4093	107.1	15.0	<-

Average %D = 49.6

Data File: /chem/GC_C.i/C042007-2.b/C#B-004f0401.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-004f0401.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 15:54
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.267	0.001	177841543	3500.00	5198.0(A)
10 Chlorpyrifos	5.380	5.379	0.001	148902511	175.000	260.15
14 Isodrin	5.766	5.763	0.003	317504956	175.000	261.59
13 Dicofol	5.663	5.661	0.002	26536685	350.000	427.30
16 2,4'-DDE	6.086	6.084	0.002	49347999	35.0000	53.442
21 2,4'-DDD	6.672	6.671	0.001	44259234	35.0000	50.685
23 Chlorobenzilate	6.871	6.869	0.002	46820712	350.000	523.06(A)
25 2,4'-DDT	7.047	7.047	0.000	43528886	35.0000	52.043
28 Kepone	7.316	7.316	0.000	18856905	350.000	263.10(A)
36 DBPP	11.592	11.592	0.000	95599209	1750.00	3623.4

QC Flag Legend

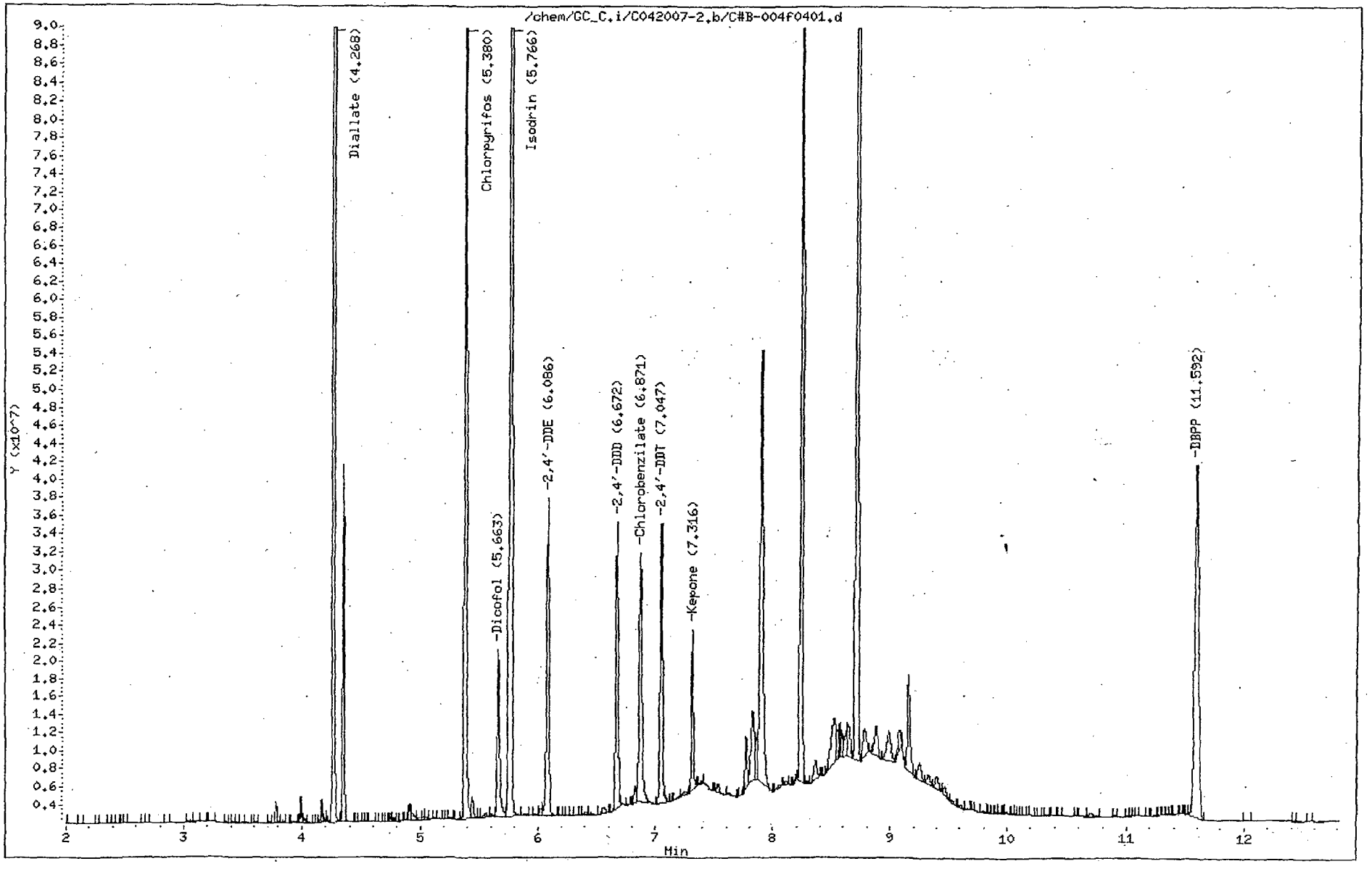
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-2.b/C#B-004f0401.d
Date : 20-APR-2007 15:54
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-005f0501.d
Analysis Type: NONE

Injection Date: 20-APR-2007 16:11
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
22 Tetrachloro-m-xylene	50.0000	50.1928	0.4	15.0
127 Hexachlorobenzene	50.0000	50.5088	1.0	15.0
1 alpha-BHC	50.0000	49.7362	0.5	15.0
5 gamma-BHC (Lindane)	50.0000	48.8938	2.2	15.0
2 beta-BHC	50.0000	50.1920	0.4	15.0
17 Heptachlor	50.0000	50.8310	1.7	15.0
3 delta-BHC	50.0000	49.1344	1.7	15.0
10 Aldrin	50.0000	49.9587	0.1	15.0
18 Heptachlor epoxide	50.0000	50.7908	1.6	15.0
6 gamma-Chlordane	50.0000	49.3576	1.3	15.0
100 alpha-Chlordane	50.0000	49.3334	1.3	15.0
12 Endosulfan I	50.0000	50.9918	2.0	15.0
8 4,4'-DDE	50.0000	51.5798	3.2	15.0
57 Dieldrin	50.0000	50.1388	0.3	15.0
15 Endrin	50.0000	53.4272	6.9	15.0
7 4,4'-DDD	50.0000	50.0768	0.2	15.0
101 Endosulfan II	50.0000	51.7420	3.5	15.0
102 4,4'-DDT	50.0000	54.1264	8.3	15.0
16 Endrin aldehyde	50.0000	50.9246	1.8	15.0
14 Endosulfan sulfate	50.0000	50.9290	1.9	15.0
103 Methoxychlor	50.0000	55.8989	11.8	15.0
17 Endrin ketone	50.0000	50.2721	0.5	15.0
106 Mirex	50.0000	50.3142	0.6	15.0
21 Decachlorobiphenyl	50.0000	50.9377	1.9	15.0

Average %D = 2.29

Data File: /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 16:11
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

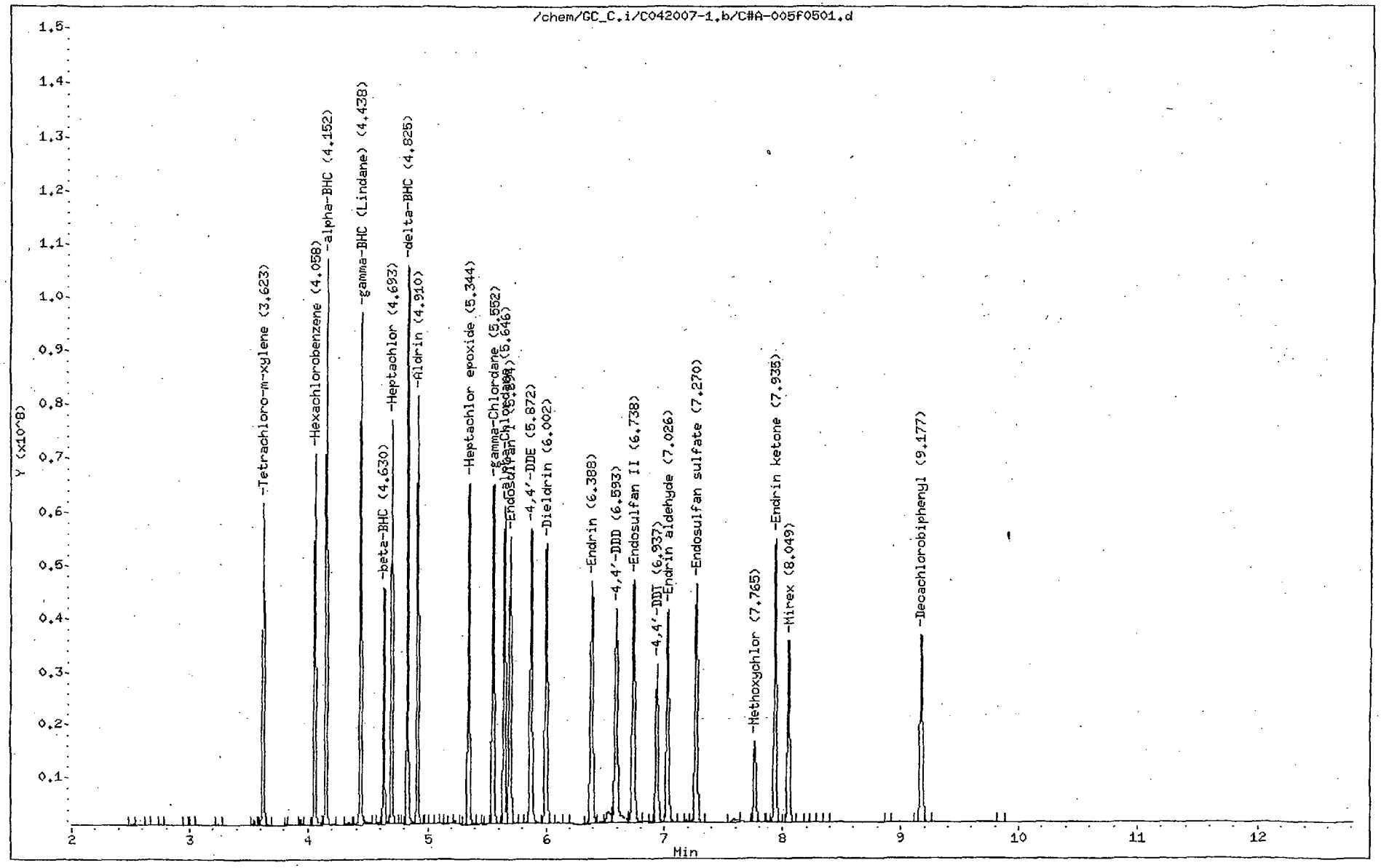
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.623	3.621	0.002	57676995	50.0000	50.193
3 Hexachlorobenzene	4.058	4.056	0.002	61103192	50.0000	50.509
4 alpha-BHC	4.152	4.149	0.003	88879354	50.0000	49.736
5 gamma-BHC (Lindane)	4.438	4.436	0.002	81927007	50.0000	48.894
7 beta-BHC	4.630	4.629	0.001	34893188	50.0000	50.192
8 Heptachlor	4.693	4.691	0.002	65754394	50.0000	50.831
9 delta-BHC	4.825	4.823	0.002	86200487	50.0000	49.134
10 Aldrin	4.910	4.909	0.001	74560625	50.0000	49.959
13 Heptachlor epoxide	5.344	5.341	0.003	66879182	50.0000	50.791
14 gamma-Chlordane	5.552	5.549	0.003	71469276	50.0000	49.358
17 alpha-Chlordane	5.646	5.643	0.003	69261992	50.0000	49.333
18 Endosulfan I	5.694	5.691	0.003	65193521	50.0000	50.992
19 4,4'-DDE	5.872	5.868	0.004	72397163	50.0000	51.580
20 Dieldrin	6.002	5.997	0.005	70434968	50.0000	50.139
23 Endrin	6.388	6.382	0.006	68770193	50.0000	53.427
26 4,4'-DDD	6.593	6.589	0.004	64747560	50.0000	50.077
27 Endosulfan II	6.738	6.734	0.004	66164151	50.0000	51.742
28 4,4'-DDT	6.937	6.933	0.004	40523769	50.0000	54.126
29 Endrin aldehyde	7.026	7.022	0.004	54266049	50.0000	50.924
30 Endosulfan sulfate	7.270	7.267	0.003	60274445	50.0000	50.929
31 Methoxychlor	7.765	7.762	0.003	19781593	50.0000	55.899
32 Endrin ketone	7.935	7.933	0.002	67187762	50.0000	50.272
33 Mirex	8.049	8.047	0.002	45666054	50.0000	50.314
$ 34 Decachlorobiphenyl	9.177	9.175	0.002	53402663	50.0000	50.938

Data File: /chem/GC_C.i/C042007-1.b/C#A-005f0501.d
Date : 20-APR-2007 16:11
Client ID:
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-005f0501.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-005f0501.d
Analysis Type: NONE

Injection Date: 20-APR-2007 16:11
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24 Tetrachloro-m-xylene	50.0000	50.8019	1.6	15.0
2 alpha-BHC	50.0000	49.9919	0.0	15.0
133 Hexachlorobenzene	50.0000	50.9191	1.8	15.0
5 gamma-BHC (Lindane)	50.0000	48.9401	2.1	15.0
2 beta-BHC	50.0000	49.2010	1.6	15.0
4 delta-BHC	50.0000	49.9262	0.1	15.0
122 Heptachlor	50.0000	51.5481	3.1	15.0
1 Aldrin	50.0000	49.6852	0.6	15.0
19 Heptachlor epoxide	50.0000	50.3680	0.7	15.0
7 gamma-Chlordane	50.0000	49.1361	1.7	15.0
6 alpha-Chlordane	50.0000	48.8242	2.4	15.0
12 Endosulfan I	50.0000	49.6411	0.7	15.0
9 4,4'-DDE	50.0000	49.3859	1.2	15.0
11 Dieldrin	50.0000	49.5972	0.8	15.0
15 Endrin	50.0000	52.8502	5.7	15.0
8 4,4'-DDD	50.0000	45.9800	8.0	15.0
13 Endosulfan II	50.0000	46.7468	6.5	15.0
16 Endrin aldehyde	50.0000	48.6596	2.7	15.0
10 4,4'-DDT	50.0000	49.6933	0.6	15.0
14 Endosulfan sulfate	50.0000	49.3426	1.3	15.0
21 Methoxychlor	50.0000	49.3515	1.3	15.0
17 Endrin ketone	50.0000	46.6256	6.7	15.0
22 Mirex	50.0000	48.9045	2.2	15.0
23 Decachlorobiphenyl	50.0000	49.4450	1.1	15.0

Average %D = 2.28

Data File: /chem/GC_C.i/C042007-2.b/C#B-005f0501.d Page 1
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-005f0501.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 16:11
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.140	4.137	0.003	60079893	50.0000	50.802
3 alpha-BHC	4.468	4.466	0.002	94674688	50.0000	49.992
4 Hexachlorobenzene	4.525	4.523	0.002	66612243	50.0000	50.919
5 gamma-BHC (Lindane)	4.714	4.712	0.002	79757895	50.0000	48.940
6 beta-BHC	4.928	4.925	0.003	37613634	50.0000	49.201
8 delta-BHC	5.122	5.119	0.003	89958243	50.0000	49.926
9 Heptachlor	5.166	5.162	0.004	72588965	50.0000	51.548
12 Aldrin	5.444	5.442	0.002	78774278	50.0000	49.685
15 Heptachlor epoxide	5.888	5.885	0.003	72996685	50.0000	50.368
17 gamma-Chlordane	6.269	6.266	0.003	76502168	50.0000	49.136
18 alpha-Chlordane	6.330	6.326	0.004	73530188	50.0000	48.824
19 Endosulfan I	6.373	6.368	0.005	67290901	50.0000	49.641
20 4,4'-DDE	6.556	6.551	0.005	75192607	50.0000	49.386
22 Dieldrin	6.703	6.698	0.005	75347427	50.0000	49.597
24 Endrin	6.979	6.976	0.003	69994409	50.0000	52.850
26 4,4'-DDD	7.198	7.194	0.004	61455788	50.0000	45.980
27 Endosulfan II	7.306	7.302	0.004	62486099	50.0000	46.747
29 Endrin aldehyde	7.434	7.432	0.002	53555066	50.0000	48.660
30 4,4'-DDT	7.549	7.547	0.002	34521412	50.0000	49.693
31 Endosulfan sulfate	7.760	7.757	0.003	57210088	50.0000	49.343
32 Methoxychlor	8.061	8.058	0.003	17762204	50.0000	49.352
33 Endrin ketone	8.198	8.196	0.002	61369570	50.0000	46.626
34 Mirex	8.713	8.710	0.003	40479781	50.0000	48.904
$ 35 Decachlorobiphenyl	9.991	9.987	0.004	51455369	50.0000	49.445

Data File: /chem/GC_C.i/C042007-2.b/C#B-005f0501.d

Date : 20-APR-2007 16:11

Client ID:

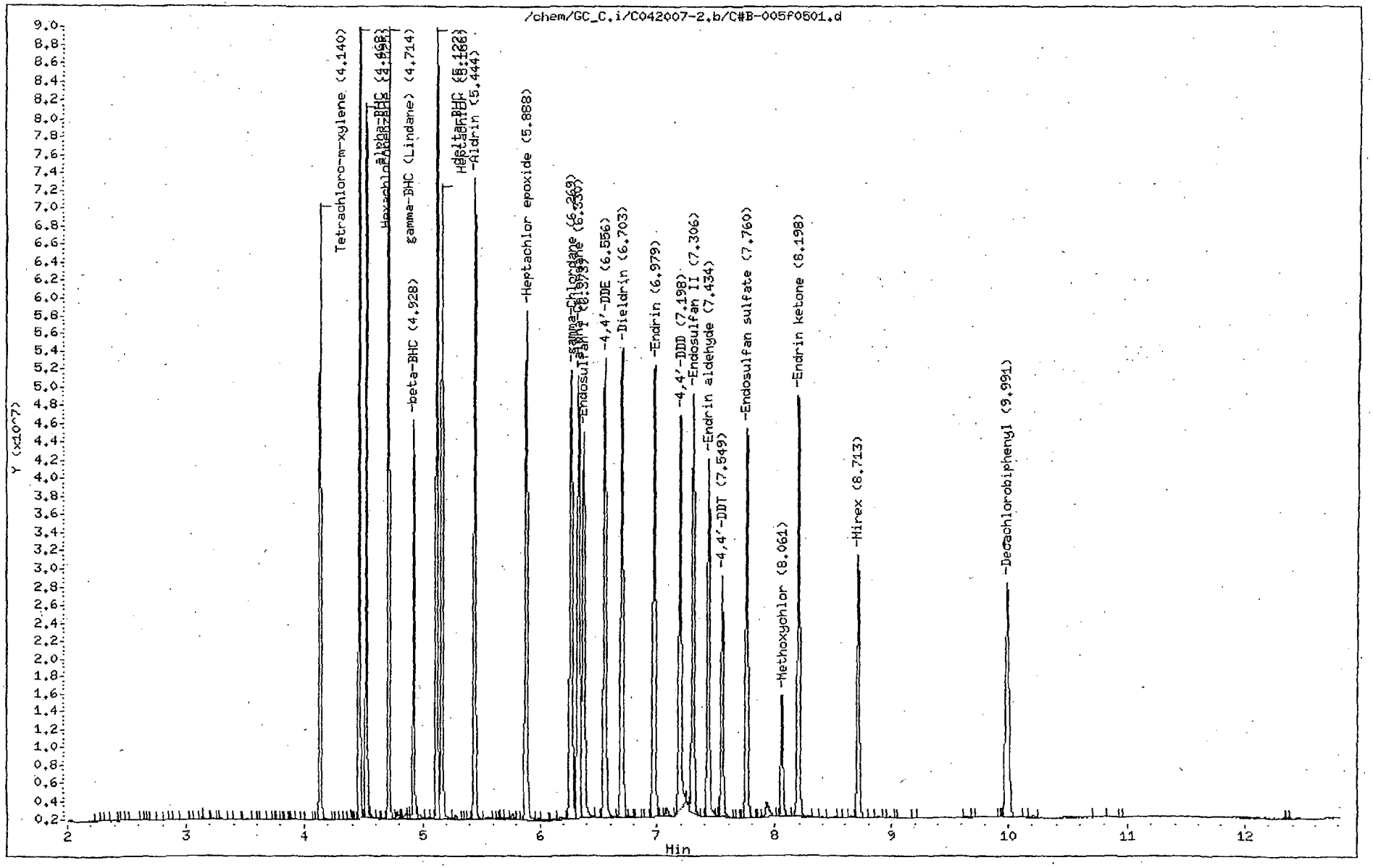
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 20-APR-2007 16:27
Lab File ID: C#A-006f0601.d
Lab Sample ID: TOX L1 GSV119006
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	217.0624	8.5	15.0

Average %D = 8.53

Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d Page 1
Report Date: 23-Apr-2007 08:54

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 20-APR-2007 16:27
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.599	5.599	0.000	4012406	200.000	213.02	80.00- 120.00	100.00(M)
5.963	5.963	0.000	3661533	200.000	224.91	73.00- 109.51	91.26
6.605	6.604	0.001	8637439	200.000	219.98	172.21- 258.32	215.27
7.037	7.036	0.001	4735462	200.000	206.44	94.42- 141.62	118.02
7.578	7.579	-0.001	5603876	200.000	220.96	111.73- 167.60	139.66

Average of Peak Amounts = 217

QC Flag Legend

M - Compound response manually integrated.

513

Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Date : 20-APR-2007 16:27
Client ID:
Sample Info: TOX L1 GSV119006

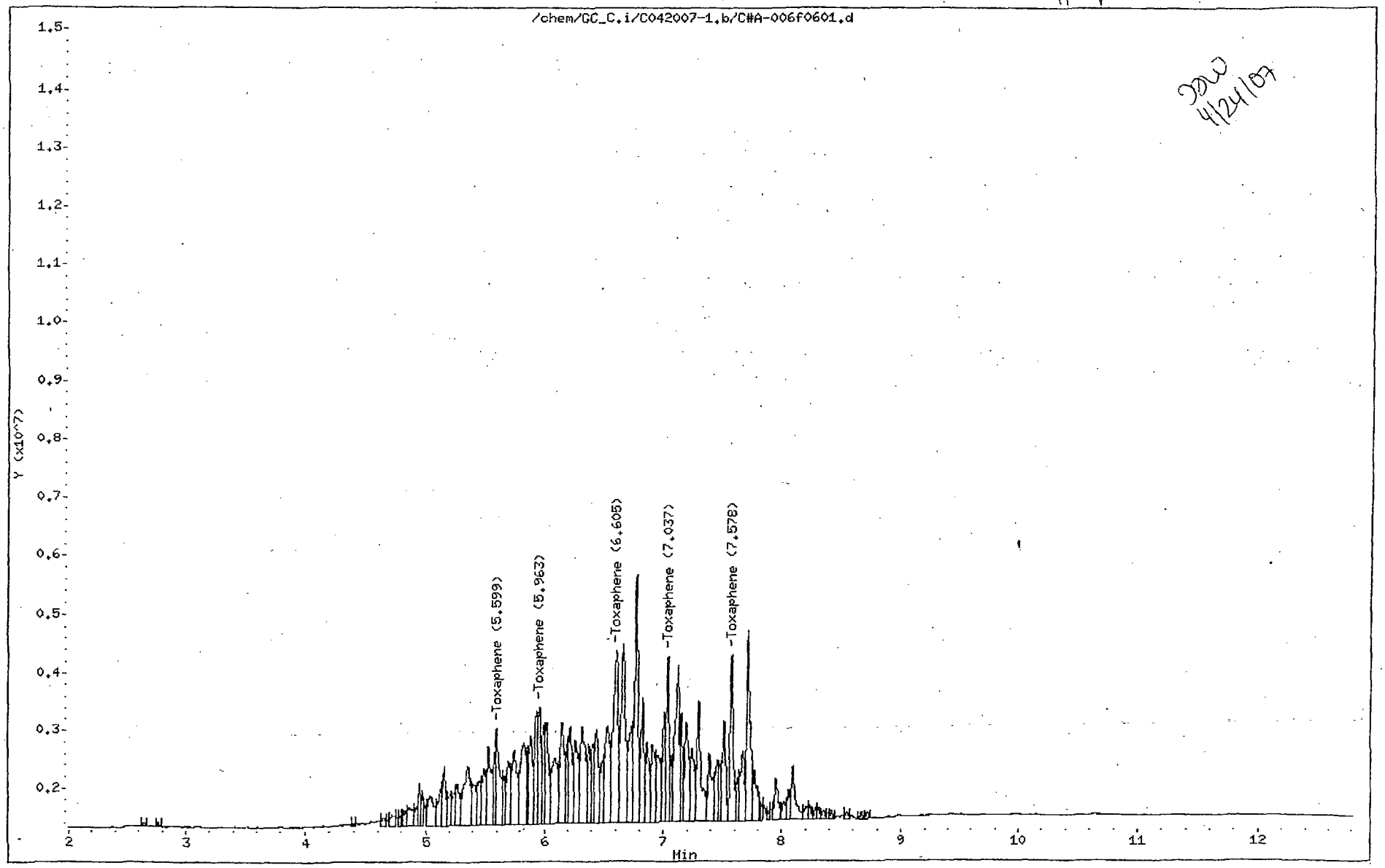
Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

2/23/07 MPK

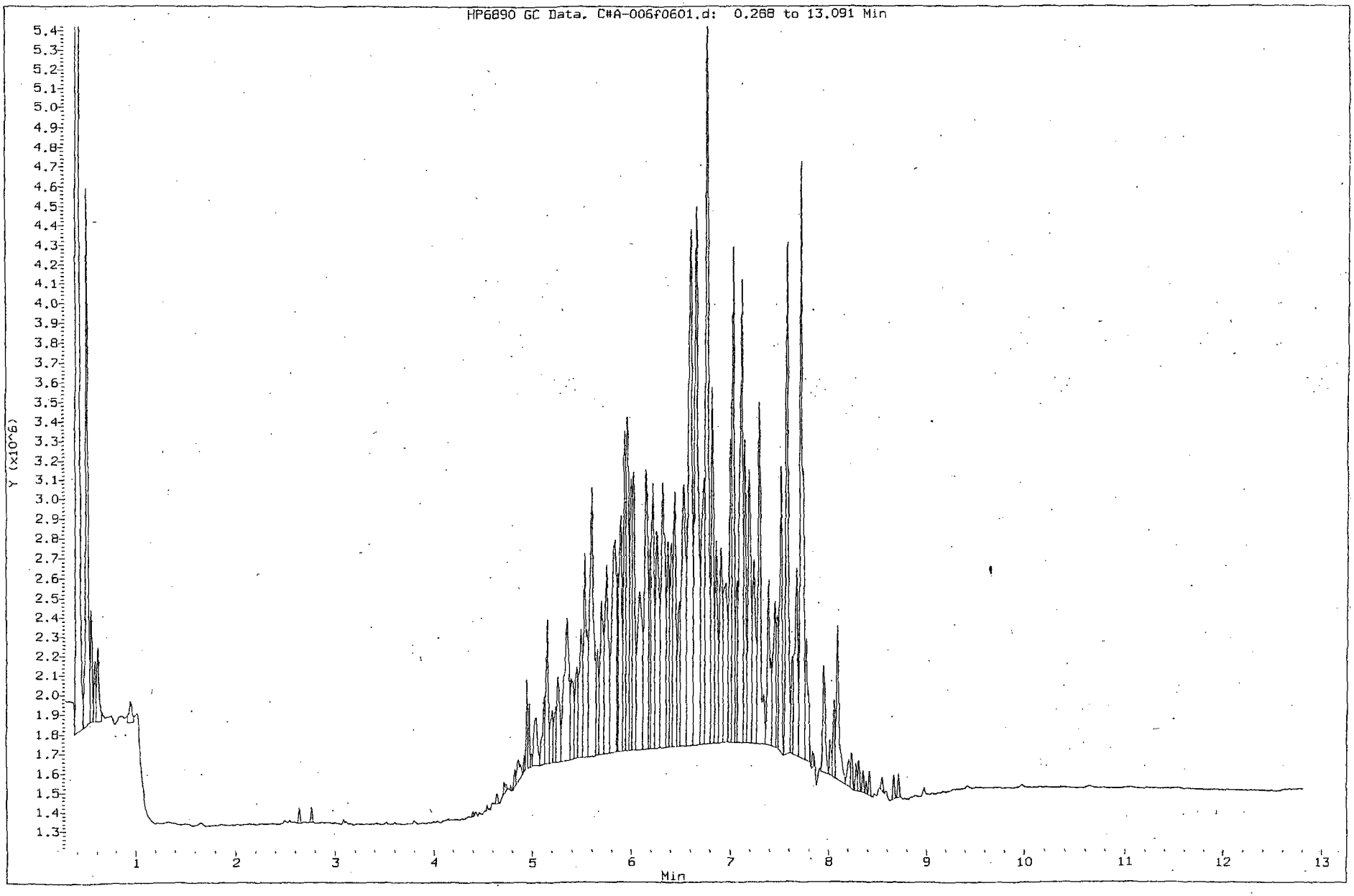


DDW 4/24/07

514

ORIGINAL

Data File: /chem/GC_C.i/C042007-1.b/C#A-006f0601.d
Injection Date: 20-APR-2007 16:27
Instrument: GC_C.i
Client Sample ID:



Data File: /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 20-APR-2007 19:26
Lab File ID: C#A-017f1701.d
Lab Sample ID: AP9 L4 GSV000507
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	5245.2010	49.9	15.0	<-
118 chlorpyrifos	175.0000	261.7844	49.6	15.0	<-
119 Isodrin/Dicofol	175.0000	268.0250	53.2	15.0	<-
121 2,4'-DDE	35.0000	53.4970	52.8	15.0	<-
122 2,4'-DDD	35.0000	51.5245	47.2	15.0	<-
125 Chlorobenzilate	350.0000	507.9167	45.1	15.0	<-
123 2,4'-DDT	35.0000	52.8013	50.9	15.0	<-
124 Kepone	350.0000	514.6159	47.0	53.0	
126 DBPP	1750.0000	3649.3658	108.5	15.0	<-

Average %D = 56.0

CL
4/24/07

Data File: /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Report Date: 23-Apr-2007 08:55

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 19:26
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:55 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.894	3.892	0.002	180553789	3500.00	5245.3(A)
11 chlorpyrifos	5.026	5.026	0.000	146631615	175.000	261.78
12 Isodrin/Dicofol	5.226	5.226	0.000	330916165	175.000	268.02(A)
15 2,4'-DDE	5.562	5.561	0.001	49242518	35.0000	53.497
21 2,4'-DDD	6.098	6.097	0.001	42385589	35.0000	51.524
22 Chlorobenzilate	6.226	6.226	0.000	42210963	350.000	507.92(A)
24 2,4'-DDT	6.456	6.455	0.001	42713520	35.0000	52.801
25 Kepone	6.512	6.511	0.001	214114116	350.000	514.62(A)
35 DBPP	11.236	11.235	0.001	212654125	1750.00	3649.4

QC Flag Legend

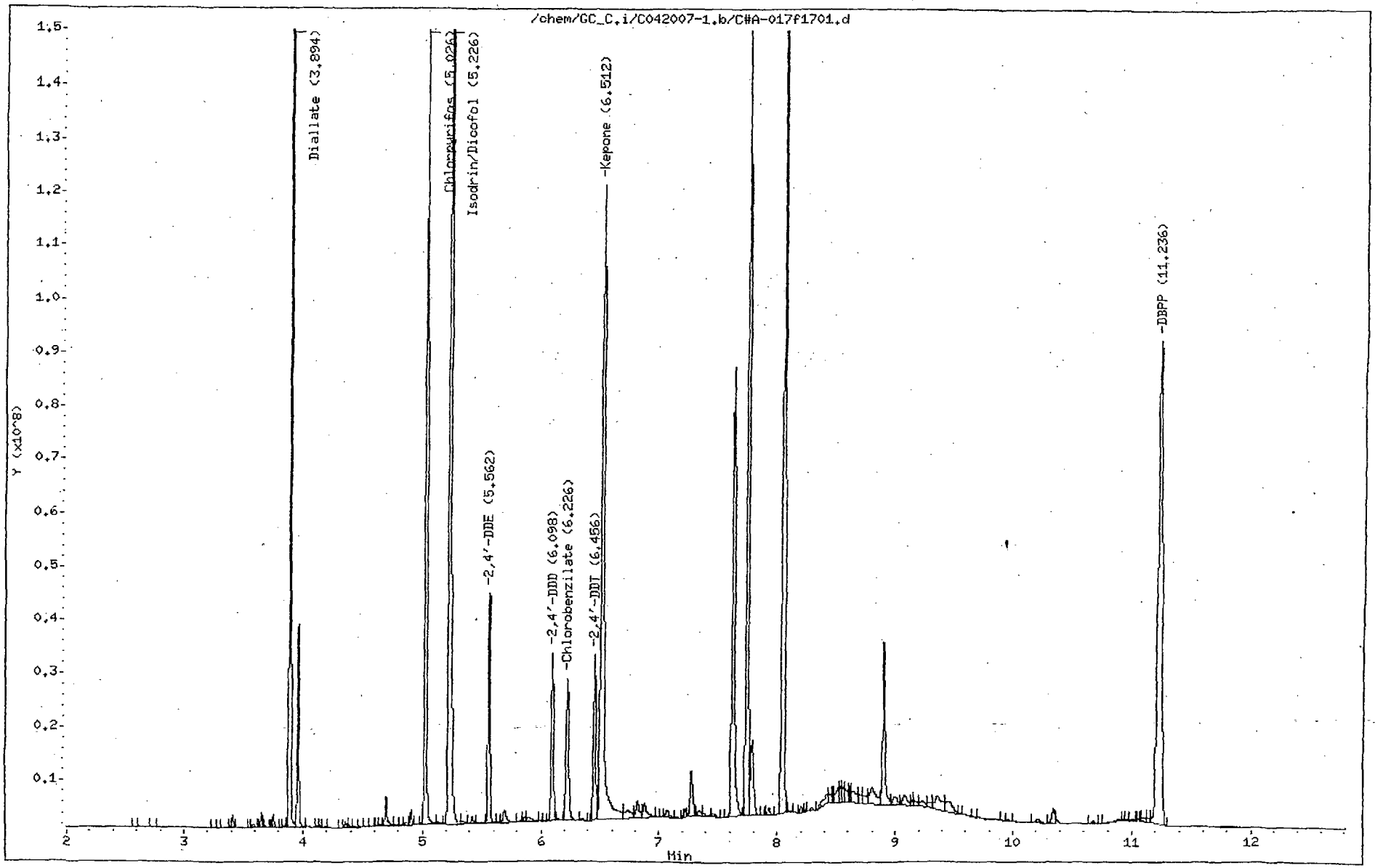
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-1.b/C#A-017f1701.d
Date : 20-APR-2007 19:26
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-017f1701.d
Analysis Type: NONE

Injection Date: 20-APR-2007 19:26
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	5184.3463	48.1	15.0	<-
124 Chlorpyrifos	175.0000	261.8839	49.6	15.0	<-
134 Dicofol	350.0000	643.3502	83.8	15.0	<-
125 Isodrin	175.0000	263.9239	50.8	15.0	<-
127 2,4'-DDE	35.0000	54.2762	55.1	15.0	<-
128 2,4'-DDD	35.0000	58.2104	66.3	15.0	<-
131 Chlorobenzilate	350.0000	735.8080	110.2	15.0	<-
129 2,4'-DDT	35.0000	61.7955	76.6	15.0	<-
130 Kepone	350.0000	444.7516	27.1	53.0	
132 DBPP	1750.0000	3082.0923	76.1	15.0	<-

Average %D = 64.4

Data File: /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Report Date: 23-Apr-2007 09:01

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 20-APR-2007 19:26
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:01 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.269	4.267	0.002	177383503	3500.00	5184.3(A)
10 Chlorpyrifos	5.381	5.379	0.002	149784885	175.000	261.88
14 Isodrin	5.766	5.763	0.003	319994263	175.000	263.92
13 Dicofol	5.665	5.661	0.004	35162880	350.000	643.35
16 2,4'-DDE	6.086	6.084	0.002	50112733	35.0000	54.276
21 2,4'-DDD	6.673	6.671	0.002	50323040	35.0000	58.210
23 Chlorobenzilate	6.871	6.869	0.002	61069119	350.000	735.81(A)
25 2,4'-DDT	7.049	7.047	0.002	51567167	35.0000	61.796
28 Kepone	7.315	7.316	-0.001	41528957	350.000	444.75(A)
36 DBPP	11.591	11.592	-0.001	68568470	1750.00	3082.1

QC Flag Legend

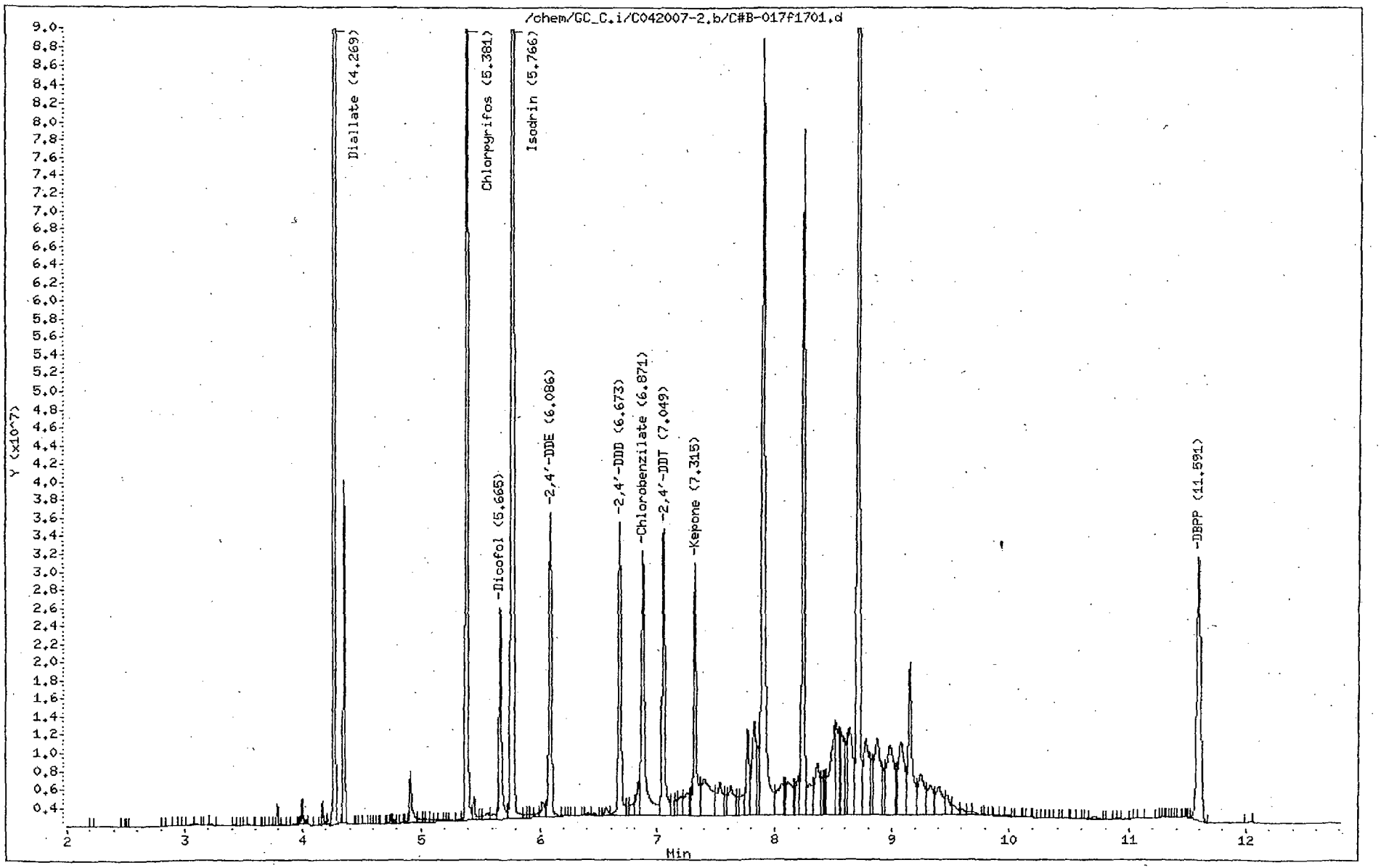
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-2.b/C#B-017f1701.d
Date : 20-APR-2007 19:26
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-018f1801.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-018f1801.d
Analysis Type: NONE

Injection Date: 20-APR-2007 19:42
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
22 Tetrachloro-m-xylene	50.0000	50.8101	1.6	15.0
127 Hexachlorobenzene	50.0000	51.8366	3.7	15.0
1 alpha-BHC	50.0000	50.4553	0.9	15.0
5 gamma-BHC (Lindane)	50.0000	49.4728	1.1	15.0
2 beta-BHC	50.0000	50.8333	1.7	15.0
17 Heptachlor	50.0000	51.4323	2.9	15.0
3 delta-BHC	50.0000	49.8144	0.4	15.0
10 Aldrin	50.0000	50.2848	0.6	15.0
18 Heptachlor epoxide	50.0000	50.9920	2.0	15.0
6 gamma-Chlordane	50.0000	50.0432	0.1	15.0
100 alpha-Chlordane	50.0000	49.7834	0.4	15.0
12 Endosulfan I	50.0000	51.4224	2.8	15.0
8 4,4'-DDE	50.0000	51.8545	3.7	15.0
57 Dieldrin	50.0000	51.2305	2.5	15.0
15 Endrin	50.0000	52.2422	4.5	15.0
7 4,4'-DDD	50.0000	51.3077	2.6	15.0
101 Endosulfan II	50.0000	52.0511	4.1	15.0
102 4,4'-DDT	50.0000	54.3844	8.8	15.0
16 Endrin aldehyde	50.0000	52.3049	4.6	15.0
14 Endosulfan sulfate	50.0000	51.3452	2.7	15.0
103 Methoxychlor	50.0000	55.7034	11.4	15.0
17 Endrin ketone	50.0000	51.4600	2.9	15.0
106 Mirex	50.0000	51.4283	2.9	15.0
21 Decachlorobiphenyl	50.0000	51.5482	3.1	15.0

Average %D = 2.99

Data File: /chem/GC_C.i/C042007-1.b/C#A-018f1801.d
Report Date: 23-Apr-2007 08:56

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-018f1801.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 19:42
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:56 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

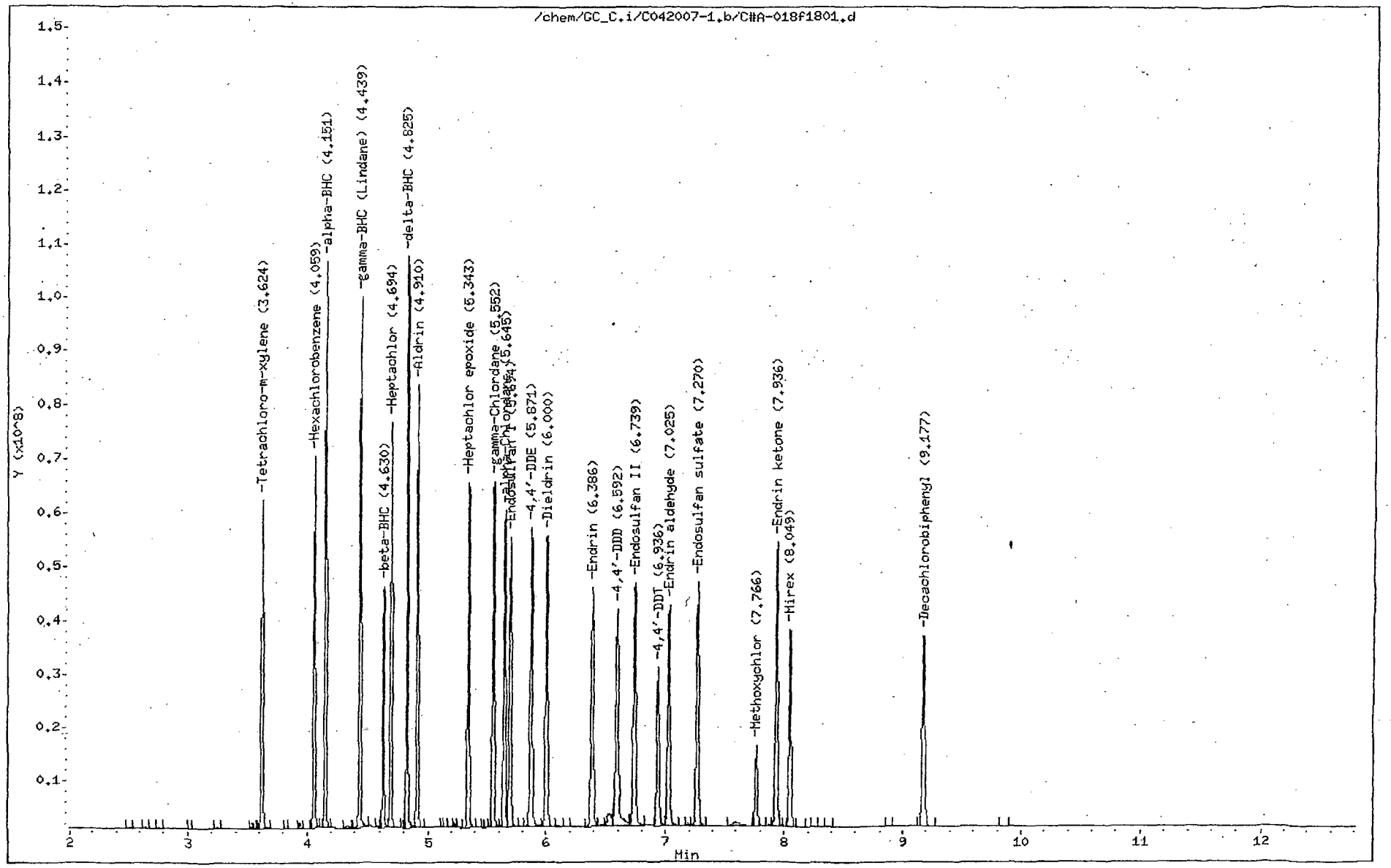
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.624	3.621	0.003	58377912	50.0000	50.810
3 Hexachlorobenzene	4.059	4.056	0.003	62709390	50.0000	51.836
4 alpha-BHC	4.151	4.149	0.002	90164490	50.0000	50.455
5 gamma-BHC (Lindane)	4.439	4.436	0.003	82897208	50.0000	49.473
7 beta-BHC	4.630	4.629	0.001	35332491	50.0000	50.833
8 Heptachlor	4.694	4.691	0.003	66532142	50.0000	51.432
9 delta-BHC	4.825	4.823	0.002	87393420	50.0000	49.814
10 Aldrin	4.910	4.909	0.001	75047302	50.0000	50.285
13 Heptachlor epoxide	5.343	5.341	0.002	67140596	50.0000	50.992
14 gamma-Chlordane	5.552	5.549	0.003	72461977	50.0000	50.043
17 alpha-Chlordane	5.645	5.643	0.002	69893676	50.0000	49.783
18 Endosulfan I	5.694	5.691	0.003	65737226	50.0000	51.422
19 4,4'-DDE	5.871	5.868	0.003	72776028	50.0000	51.854
20 Dieldrin	6.000	5.997	0.003	71952679	50.0000	51.230
23 Endrin	6.386	6.382	0.004	67244903	50.0000	52.242
26 4,4'-DDD	6.592	6.589	0.003	66314338	50.0000	51.308
27 Endosulfan II	6.739	6.734	0.005	66538640	50.0000	52.051
28 4,4'-DDT	6.936	6.933	0.003	40732200	50.0000	54.384
29 Endrin aldehyde	7.025	7.022	0.003	55697549	50.0000	52.305
30 Endosulfan sulfate	7.270	7.267	0.003	60740696	50.0000	51.345
31 Methoxychlor	7.766	7.762	0.004	19712420	50.0000	55.703
32 Endrin ketone	7.936	7.933	0.003	68681292	50.0000	51.460
33 Mirex	8.049	8.047	0.002	46654009	50.0000	51.428
$ 34 Decachlorobiphenyl	9.177	9.175	0.002	54028873	50.0000	51.548

Data File: /chem/GC_C.i/C042007-1.b/C#A-018f1801.d
Date : 20-APR-2007 19:42
Client ID:
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-018f1801.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-018f1801.d
Analysis Type: NONE

Injection Date: 20-APR-2007 19:42
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24 Tetrachloro-m-xylene	50.0000	51.5695	3.1	15.0
2 alpha-BHC	50.0000	50.4786	1.0	15.0
133 Hexachlorobenzene	50.0000	51.6526	3.3	15.0
5 gamma-BHC (Lindane)	50.0000	50.2000	0.4	15.0
2 beta-BHC	50.0000	49.9532	0.1	15.0
4 delta-BHC	50.0000	50.4066	0.8	15.0
122 Heptachlor	50.0000	52.2149	4.4	15.0
1 Aldrin	50.0000	50.6256	1.3	15.0
19 Heptachlor epoxide	50.0000	50.8983	1.8	15.0
7 gamma-Chlordane	50.0000	49.6930	0.6	15.0
6 alpha-Chlordane	50.0000	49.5996	0.8	15.0
12 Endosulfan I	50.0000	51.2237	2.4	15.0
9 4,4'-DDE	50.0000	50.1409	0.3	15.0
11 Dieldrin	50.0000	50.3830	0.8	15.0
15 Endrin	50.0000	52.0282	4.1	15.0
8 4,4'-DDD	50.0000	46.6371	6.7	15.0
13 Endosulfan II	50.0000	48.3944	3.2	15.0
16 Endrin aldehyde	50.0000	50.7994	1.6	15.0
10 4,4'-DDT	50.0000	48.8728	2.3	15.0
14 Endosulfan sulfate	50.0000	50.9224	1.8	15.0
21 Methoxychlor	50.0000	49.7471	0.5	15.0
17 Endrin ketone	50.0000	48.8680	2.3	15.0
22 Mirex	50.0000	50.6193	1.2	15.0
23 Decachlorobiphenyl	50.0000	50.8195	1.6	15.0

Average %D = 1.93

Data File: /chem/GC_C.i/C042007-2.b/C#B-018f1801.d
Report Date: 23-Apr-2007 09:02

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-018f1801.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 20-APR-2007 19:42
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:02 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.140	4.137	0.003	60979216	50.0000	51.569
3 alpha-BHC	4.468	4.466	0.002	95596473	50.0000	50.479
4 Hexachlorobenzene	4.525	4.523	0.002	67552588	50.0000	51.652
5 gamma-BHC (Lindane)	4.715	4.712	0.003	81811038	50.0000	50.200
6 beta-BHC	4.927	4.925	0.002	38180918	50.0000	49.953
8 delta-BHC	5.122	5.119	0.003	90823882	50.0000	50.407
9 Heptachlor	5.166	5.162	0.004	73527987	50.0000	52.215
12 Aldrin	5.445	5.442	0.003	80265294	50.0000	50.626
15 Heptachlor epoxide	5.890	5.885	0.005	73755842	50.0000	50.898
17 gamma-Chlordane	6.270	6.266	0.004	77369299	50.0000	49.693
18 alpha-Chlordane	6.330	6.326	0.004	74698075	50.0000	49.600
19 Endosulfan I	6.373	6.368	0.005	69317426	50.0000	51.224
20 4,4'-DDE	6.556	6.551	0.005	76342112	50.0000	50.141
22 Dieldrin	6.703	6.698	0.005	76541265	50.0000	50.383
24 Endrin	6.980	6.976	0.004	68905724	50.0000	52.028
26 4,4'-DDD	7.198	7.194	0.004	62334014	50.0000	46.637
27 Endosulfan II	7.305	7.302	0.003	64688496	50.0000	48.394
29 Endrin aldehyde	7.435	7.432	0.003	55874515	50.0000	50.799
30 4,4'-DDT	7.550	7.547	0.003	33892538	50.0000	48.873
31 Endosulfan sulfate	7.760	7.757	0.003	59017548	50.0000	50.922
32 Methoxychlor	8.060	8.058	0.002	17906591	50.0000	49.747
33 Endrin ketone	8.200	8.196	0.004	64321143	50.0000	48.868
34 Mirex	8.713	8.710	0.003	41864750	50.0000	50.619
$ 35 Decachlorobiphenyl	9.991	9.987	0.004	52847314	50.0000	50.820

Data File: /chem/GC_C.i/C042007-2.b/C#B-018f1801.d

Date : 20-APR-2007 19:42

Client ID:

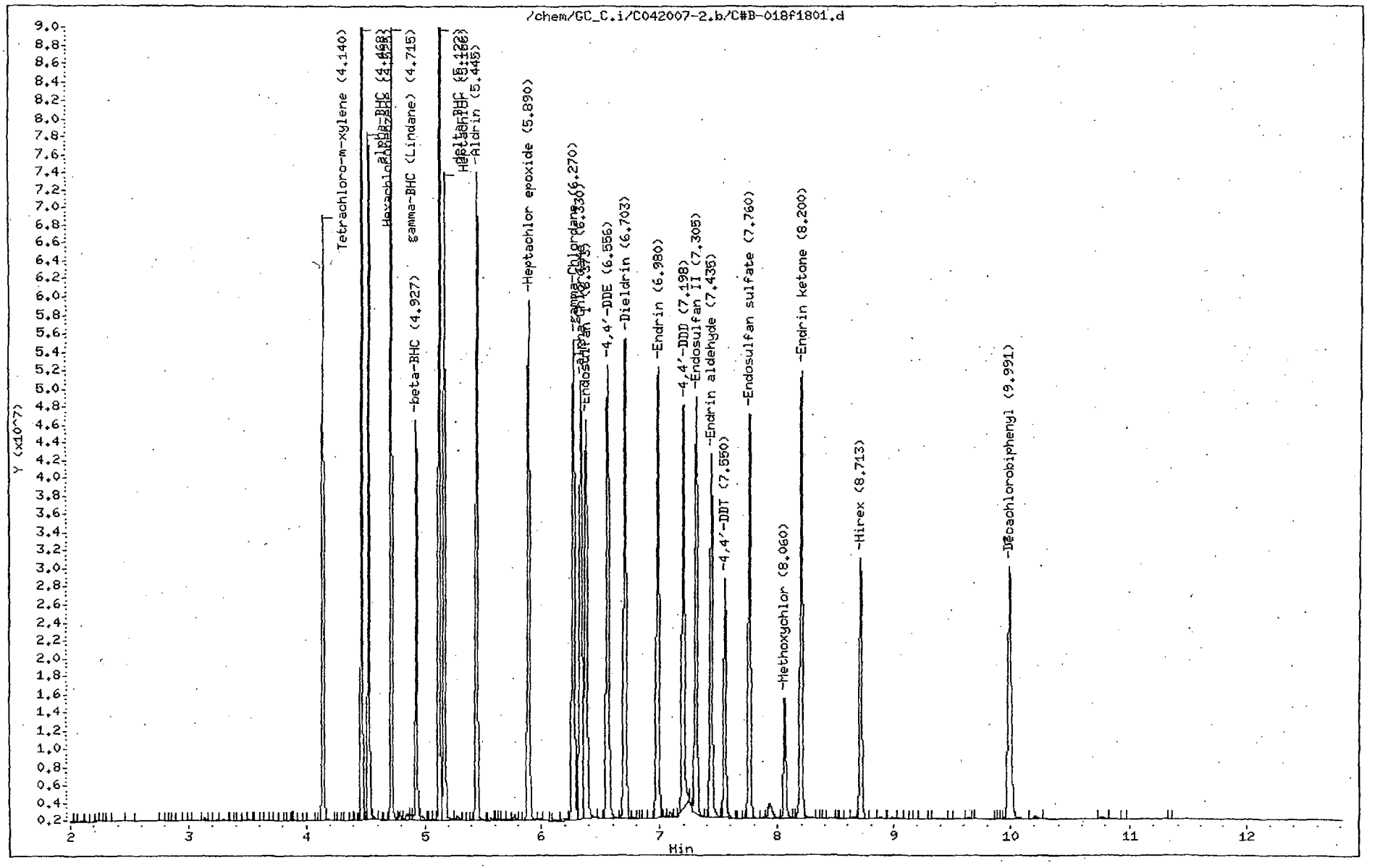
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-019f1901.d
Analysis Type: NONE

Injection Date: 20-APR-2007 19:59
Lab Sample ID: TOX L1 GSV119006
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	217.3322	8.7	15.0

Average %D = 8.67

Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Report Date: 23-Apr-2007 08:56

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 20-APR-2007 19:59
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:56 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 19 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.599	5.599	0.000	3963540	200.000	210.43	80.00- 120.00	100.00(M)
5.962	5.963	-0.001	3640374	200.000	223.61	73.48- 110.22	91.85
6.603	6.604	-0.001	8753226	200.000	222.93	176.67- 265.01	220.84
7.036	7.036	0.000	4759379	200.000	207.49	96.06- 144.09	120.08
7.577	7.579	-0.002	5635618	200.000	222.21	113.75- 170.62	142.19

Average of Peak Amounts = 217

QC Flag Legend

M - Compound response manually integrated.

529

Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Date : 20-APR-2007 19:59
Client ID:
Sample Info: TOX L1 GSV119006

Column phase: CLP-PEST II

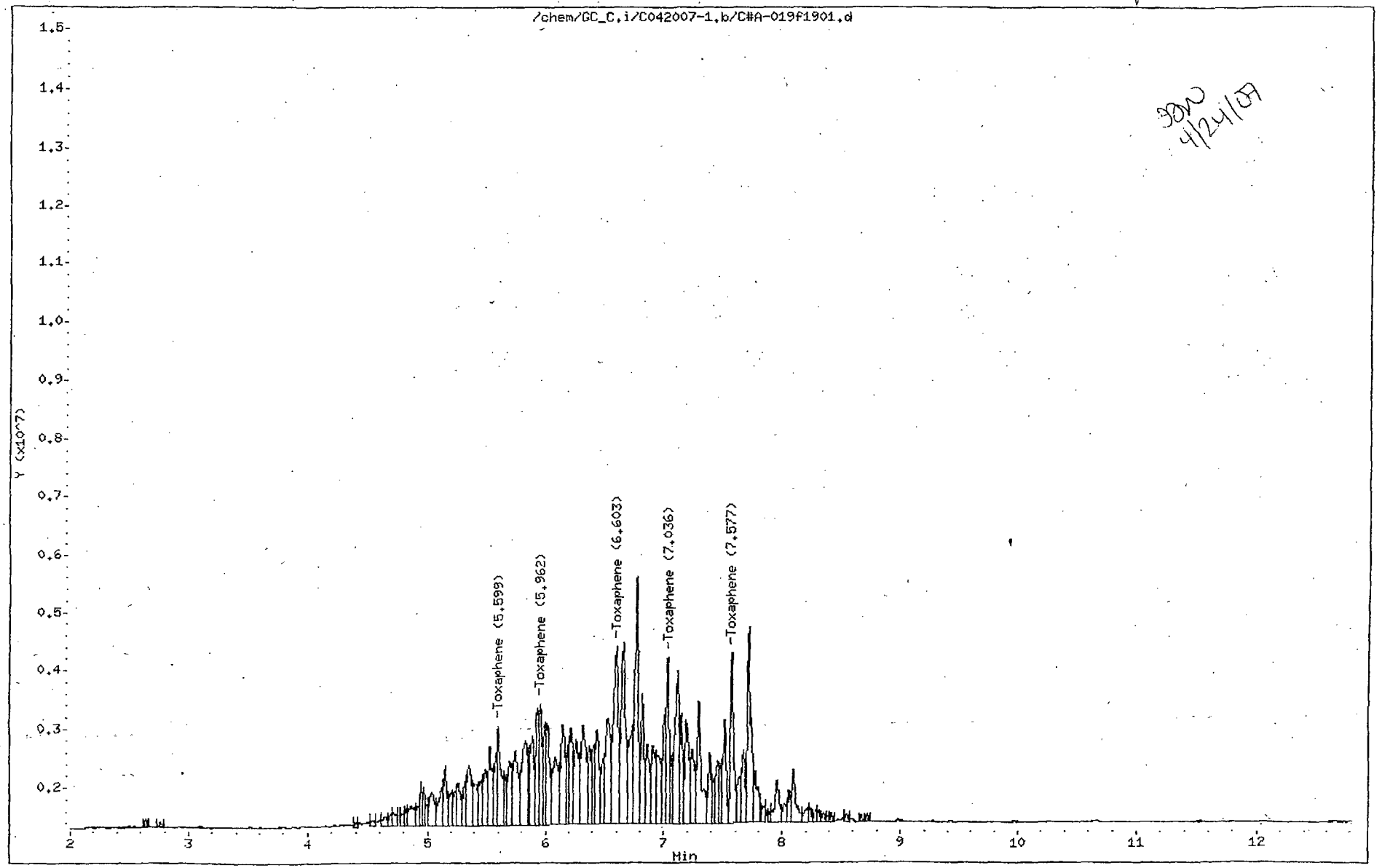
Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

4/26/07 MPL

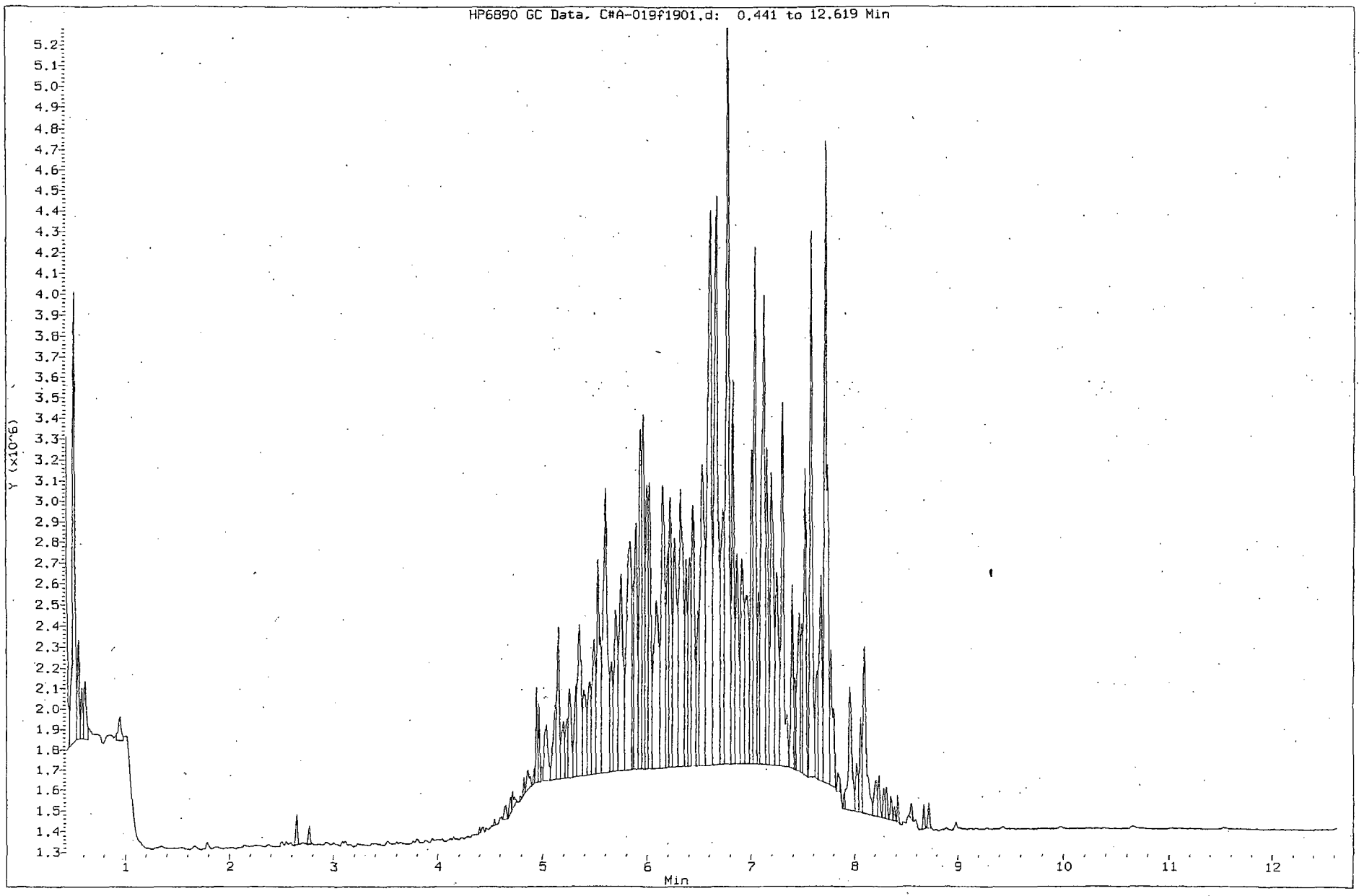
JDW 4/24/07



530

ORIGINAL

Data File: /chem/GC_C.i/C042007-1.b/C#A-019f1901.d
Injection Date: 20-APR-2007 19:59
Instrument: GC_C.i
Client Sample ID:



Data File: /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-056f5601.d
Analysis Type: NONE

Injection Date: 21-APR-2007 05:59
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	5407.8443	54.5	15.0	<-
118 chlorpyrifos	175.0000	273.0290	56.0	15.0	<-
119 Isodrin/Dicofol	175.0000	268.1582	53.2	15.0	<-
121 2,4'-DDE	35.0000	55.6764	59.1	15.0	<-
122 2,4'-DDD	35 0000	53.2393	52.1	15.0	<-
125 Chlorobenzilate	350.0000	525.3660	50.1	15.0	<-
123 2,4'-DDT	35.0000	53.8507	53.9	15.0	<-
124 Kepone	350.0000	509.4744	45.6	53.0	
126 DBPP	1750.0000	3713.0236	112.2	15.0	<-

CL
4/24/07

Average %D = 59.6

Data File: /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Report Date: 23-Apr-2007 08:59

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 21-APR-2007 05:59
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 56 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.892	3.892	0.000	186056093	3500.00	5407.8(A)
11 chlorpyrifos	5.025	5.026	-0.001	152758328	175.000	273.03
12 Isodrin/Dicofol	5.225	5.226	-0.001	331058543	175.000	268.16(A)
15 2,4'-DDE	5.561	5.561	0.000	51075000	35.0000	55.676
21 2,4'-DDD	6.096	6.097	-0.001	43768178	35.0000	53.239
22 Chlorobenzilate	6.224	6.226	-0.002	43591124	350.000	525.36(A)
24 2,4'-DDT	6.453	6.455	-0.002	43562470	35.0000	53.851
25 Kepone	6.510	6.511	-0.001	211993740	350.000	509.47(A)
35 DBPP	11.228	11.235	-0.007	218971201	1750.00	3713.0

QC Flag Legend

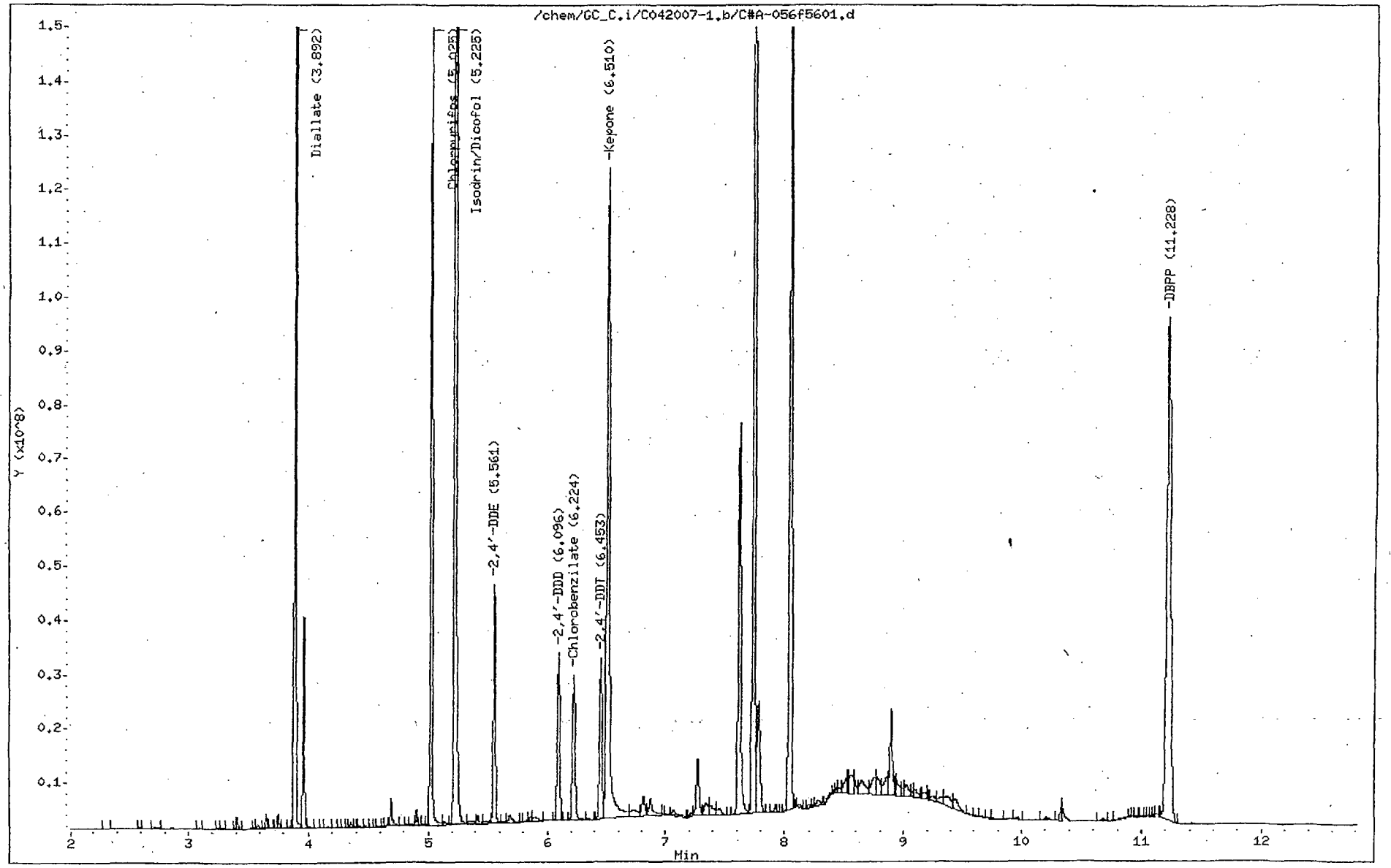
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-1.b/C#A-056f5601.d
Date : 21-APR-2007 05:59
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-056f5601.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-056f5601.d
Analysis Type: NONE

Injection Date: 21-APR-2007 05:59
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	5338.2551	52.5	15.0	<-
124 Chlorpyrifos	175.0000	267.8652	53.1	15.0	<-
134 Dicofol	350.0000	328.3212	6.2	15.0	
125 Isodrin	175.0000	267.5613	52.9	15.0	<-
127 2,4'-DDE	35.0000	53.5747	53.1	15.0	<-
128 2,4'-DDD	35.0000	52.8861	51.1	15.0	<-
131 Chlorobenzilate	350.0000	502.3255	43.5	15.0	<-
129 2,4'-DDT	35.0000	58.2164	66.3	15.0	<-
130 Kepone	350.0000	274.9527	21.4	53.0	
132 DBPP	1750.0000	5000.9487	185.8	15.0	<-

Average %D = 58.6

Data File: /chem/GC_C.i/C042007-2.b/C#B-056f5601.d Page 1
Report Date: 23-Apr-2007 09:07

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-056f5601.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 21-APR-2007 05:59
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 56 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.267	4.267	0.000	182529442	3500.00	5338.2(A)
10 Chlorpyrifos	5.380	5.379	0.001	152827383	175.000	267.86
14 Isodrin	5.764	5.763	0.001	323873305	175.000	267.56
13 Dicofol	5.662	5.661	0.001	22037374	350.000	328.32
16 2,4'-DDE	6.084	6.084	0.000	49469997	35.0000	53.575
21 2,4'-DDD	6.671	6.671	0.000	46042530	35.0000	52.886
23 Chlorobenzilate	6.871	6.869	0.002	45346659	350.000	502.32(A)
25 2,4'-DDT	7.046	7.047	-0.001	48617237	35.0000	58.216
28 Kepone	7.313	7.316	-0.003	20260621	350.000	274.95(A)
36 DBPP	11.586	11.592	-0.006	245796945	1750.00	5000.9(A)

QC Flag Legend

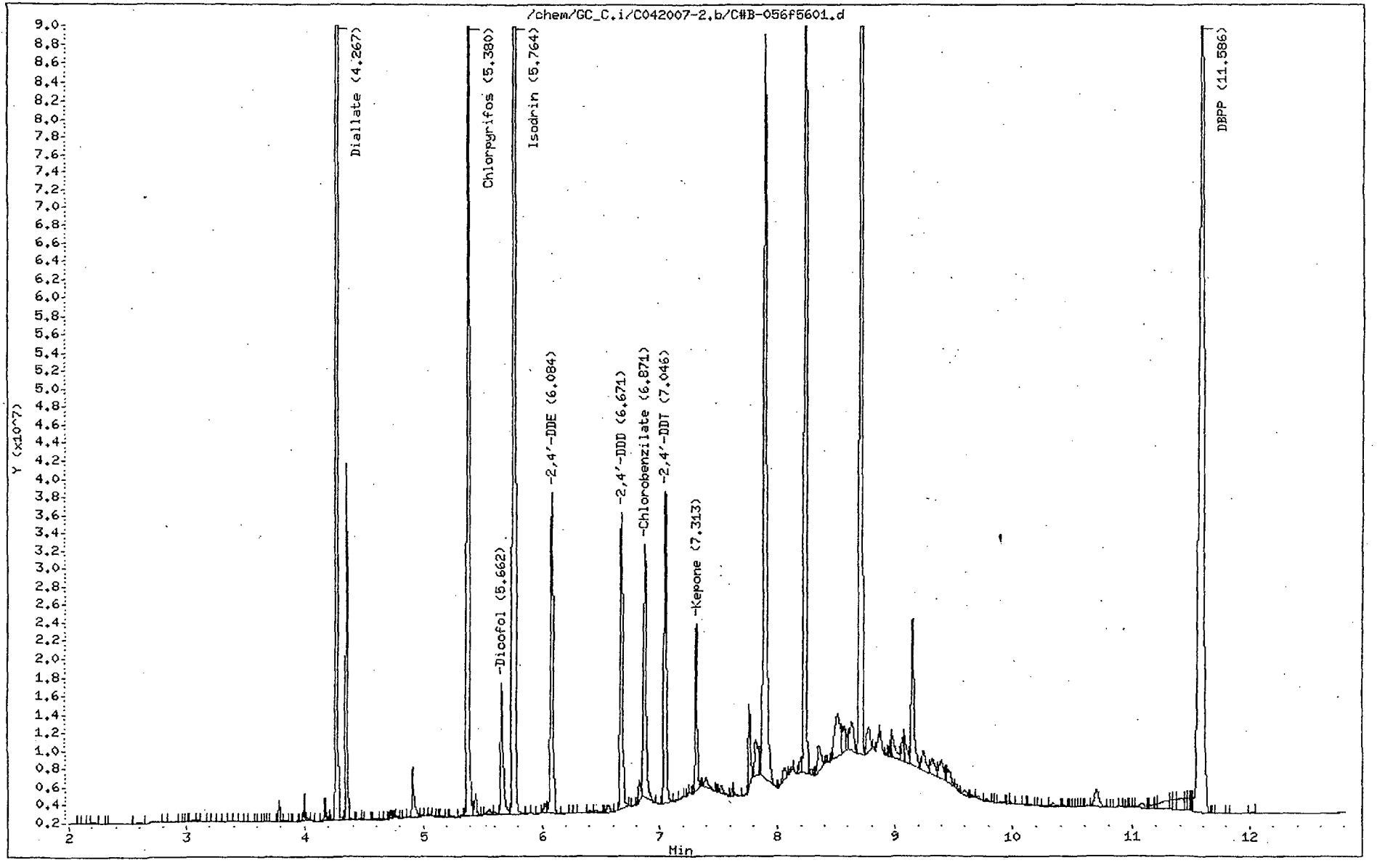
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-2.b/C#B-056f5601.d
Date : 21-APR-2007 05:59
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-057f5701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-057f5701.d
Analysis Type: NONE

Injection Date: 21-APR-2007 06:15
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
22 Tetrachloro-m-xylene	50.0000	52.4649	4.9	15.0
127 Hexachlorobenzene	50.0000	53.5059	7.0	15.0
1 alpha-BHC	50.0000	52.0014	4.0	15.0
5 gamma-BHC (Lindane)	50.0000	51.3244	2.6	15.0
2 beta-BHC	50.0000	52.2828	4.6	15.0
17 Heptachlor	50.0000	52.4758	5.0	15.0
3 delta-BHC	50.0000	51.9354	3.9	15.0
10 Aldrin	50.0000	51.7710	3.5	15.0
18 Heptachlor epoxide	50.0000	52.7444	5.5	15.0
6 gamma-Chlordane	50.0000	51.0776	2.2	15.0
100 alpha-Chlordane	50.0000	50.8457	1.7	15.0
12 Endosulfan I	50.0000	52.2837	4.6	15.0
8 4,4'-DDE	50.0000	51.8776	3.8	15.0
57 Dieldrin	50.0000	52.5292	5.1	15.0
15 Endrin	50.0000	53.4489	6.9	15.0
7 4,4'-DDD	50.0000	52.9111	5.8	15.0
101 Endosulfan II	50.0000	52.4853	5.0	15.0
102 4,4'-DDT	50.0000	52.9562	5.9	15.0
16 Endrin aldehyde	50.0000	52.8803	5.8	15.0
14 Endosulfan sulfate	50.0000	52.9057	5.8	15.0
103 Methoxychlor	50.0000	55.3302	10.7	15.0
17 Endrin ketone	50.0000	52.4057	4.8	15.0
106 Mirex	50.0000	52.9022	5.8	15.0
21 Decachlorobiphenyl	50.0000	53.0417	6.1	15.0

Average %D = 5.03

Data File: /chem/GC_C.i/C042007-1.b/C#A-057f5701.d
Report Date: 23-Apr-2007 08:59

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-057f5701.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 21-APR-2007 06:15
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

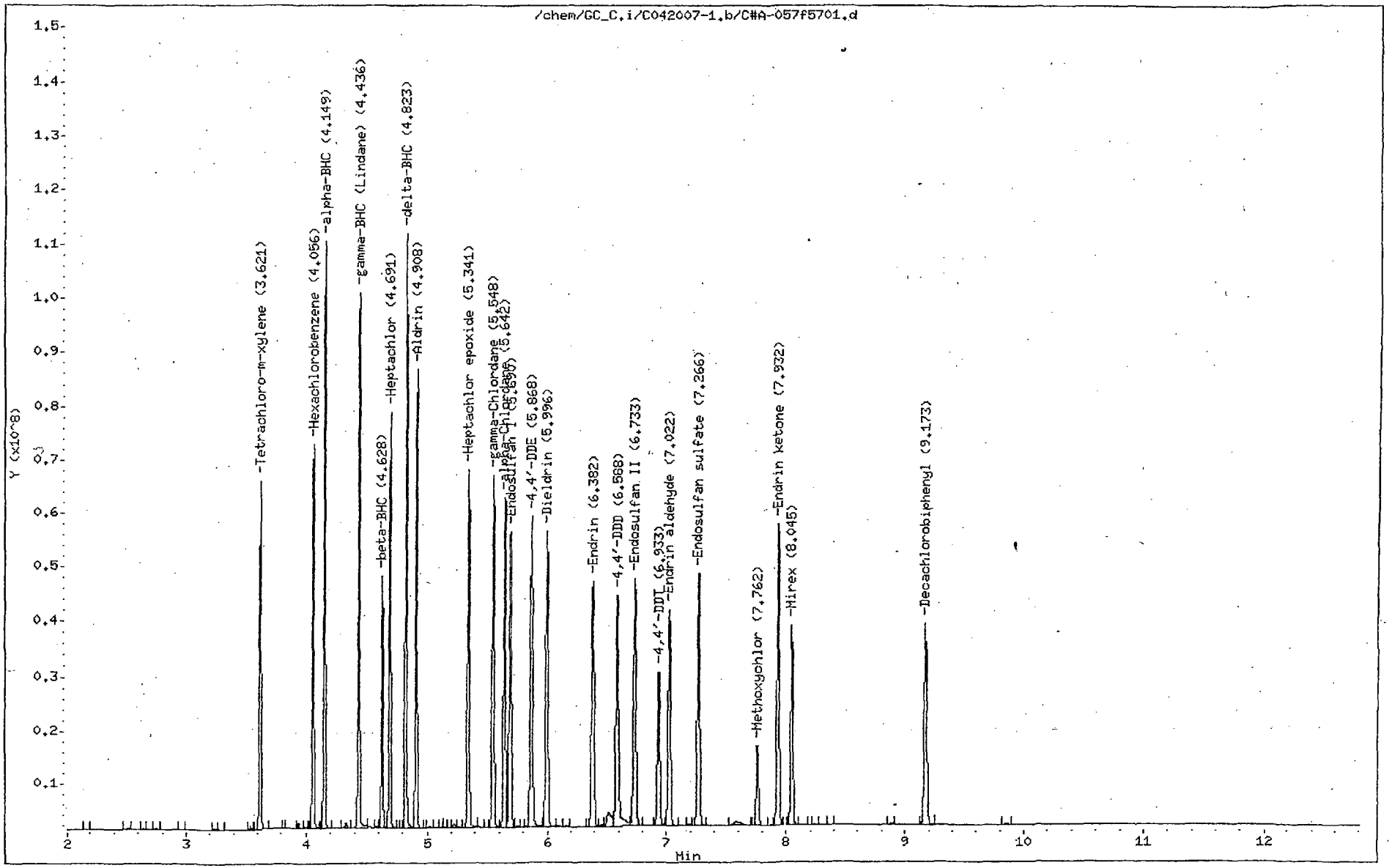
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.621	3.621	0.000	60256920	50.0000	52.465
3 Hexachlorobenzene	4.056	4.056	0.000	64728934	50.0000	53.506
4 alpha-BHC	4.149	4.149	0.000	92927339	50.0000	52.001
5 gamma-BHC (Lindane)	4.436	4.436	0.000	85999807	50.0000	51.324
7 beta-BHC	4.628	4.629	-0.001	36325322	50.0000	52.283
8 Heptachlor	4.691	4.691	0.000	67882030	50.0000	52.476
9 delta-BHC	4.823	4.823	0.000	91114512	50.0000	51.935
10 Aldrin	4.908	4.909	-0.001	77265281	50.0000	51.771
13 Heptachlor epoxide	5.341	5.341	0.000	69417564	50.0000	52.744
14 gamma-Chlordane	5.548	5.549	-0.001	73959781	50.0000	51.078
17 alpha-Chlordane	5.642	5.643	-0.001	71385163	50.0000	50.846
18 Endosulfan I	5.690	5.691	-0.001	66824677	50.0000	52.284
19 4,4'-DDE	5.868	5.868	0.000	72807893	50.0000	51.878
20 Dieldrin	5.996	5.997	-0.001	73758301	50.0000	52.529
23 Endrin	6.382	6.382	0.000	68798144	50.0000	53.449
26 4,4'-DDD	6.588	6.589	-0.001	68355355	50.0000	52.911
27 Endosulfan II	6.733	6.734	-0.001	67064358	50.0000	52.485
28 4,4'-DDT	6.933	6.933	0.000	39580601	50.0000	52.956
29 Endrin aldehyde	7.022	7.022	0.000	56294347	50.0000	52.880
30 Endosulfan sulfate	7.266	7.267	-0.001	62486419	50.0000	52.906
31 Methoxychlor	7.762	7.762	0.000	19580343	50.0000	55.330
32 Endrin ketone	7.932	7.933	-0.001	69868470	50.0000	52.406
33 Mirex	8.045	8.047	-0.002	47961079	50.0000	52.902
$ 34 Decachlorobiphenyl	9.173	9.175	-0.002	55560917	50.0000	53.042

Data File: /chem/GC_C.i/C042007-1.b/C#A-057f5701.d
Date : 21-APR-2007 06:15
Client ID:
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-057f5701.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-057f5701.d
Analysis Type: NONE

Injection Date: 21-APR-2007 06:15
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
24 Tetrachloro-m-xylene	50.0000	52.6640	5.3	15.0	
2 alpha-BHC	50.0000	51.4240	2.8	15.0	
133 Hexachlorobenzene	50.0000	52.3705	4.7	15.0	
5 gamma-BHC (Lindane)	50.0000	51.9079	3.8	15.0	
2 beta-BHC	50.0000	49.6847	0.6	15.0	
4 delta-BHC	50.0000	51.4140	2.8	15.0	
122 Heptachlor	50.0000	55.5444	11.1	15.0	
1 Aldrin	50.0000	51.3407	2.7	15.0	
19 Heptachlor epoxide	50.0000	51.5095	3.0	15.0	
7 gamma-Chlordane	50.0000	50.4843	1.0	15.0	
6 alpha-Chlordane	50.0000	50.3771	0.8	15.0	
12 Endosulfan I	50.0000	52.3945	4.8	15.0	
9 4,4'-DDE	50.0000	50.6540	1.3	15.0	
11 Dieldrin	50.0000	51.1255	2.3	15.0	
15 Endrin	50.0000	53.3399	6.7	15.0	
8 4,4'-DDD	50.0000	50.7697	1.5	15.0	
13 Endosulfan II	50.0000	50.3060	0.6	15.0	
16 Endrin aldehyde	50.0000	50.6041	1.2	15.0	
10 4,4'-DDT	50.0000	62.0417	24.1	15.0	<-
14 Endosulfan sulfate	50.0000	52.1810	4.4	15.0	
21 Methoxychlor	50.0000	62.4987	25.0	15.0	<-
17 Endrin ketone	50.0000	52.5212	5.0	15.0	
22 Mirex	50.0000	52.4182	4.8	15.0	
23 Decachlorobiphenyl	50.0000	50.7138	1.4	15.0	

Average %D = 5.08

Data File: /chem/GC_C.i/C042007-2.b/C#B-057f5701.d
Report Date: 23-Apr-2007 09:07

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-057f5701.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 21-APR-2007 06:15
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 57 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

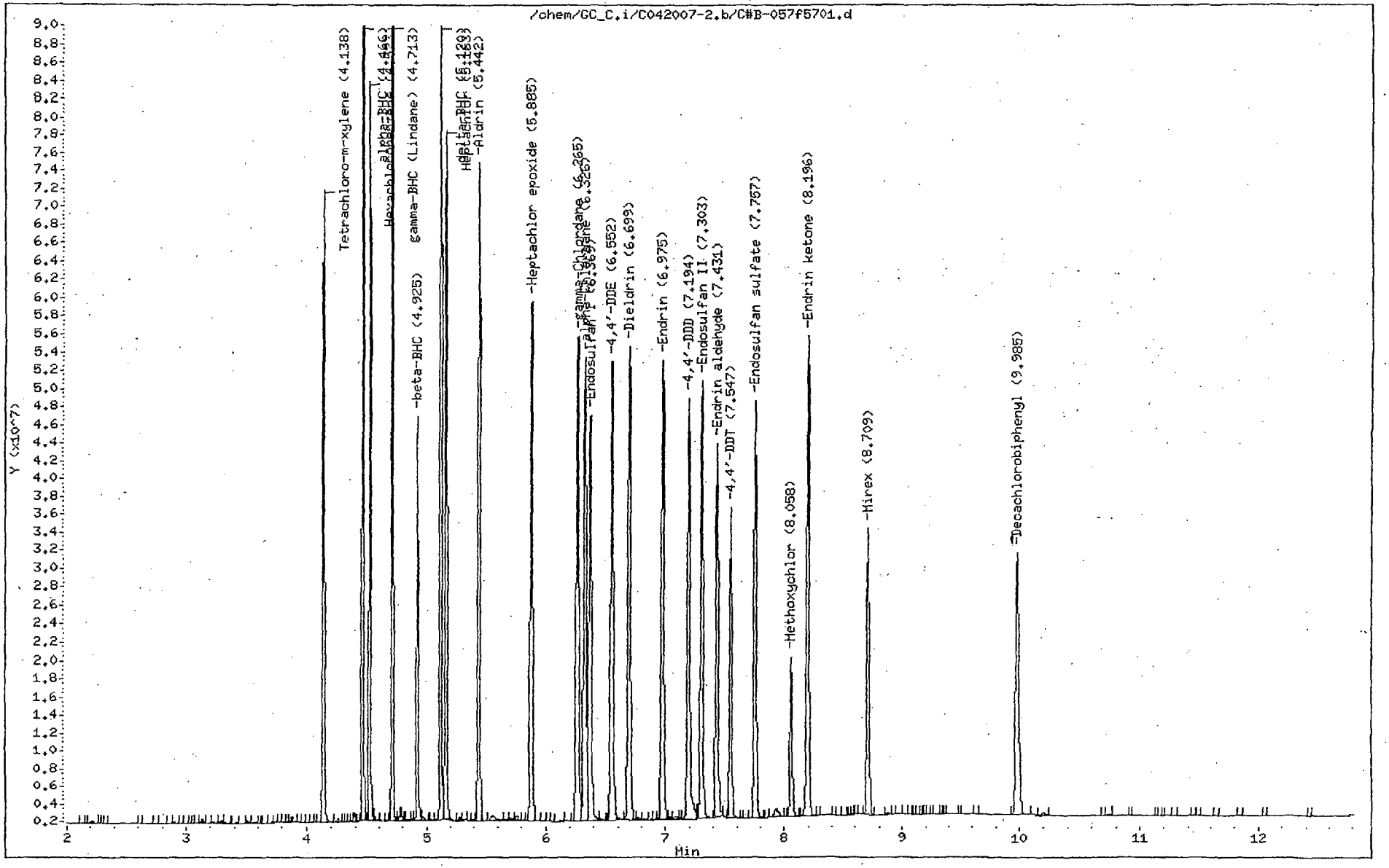
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.138	4.137	0.001	62261615	50.0000	52.664
3 alpha-BHC	4.466	4.466	0.000	97386840	50.0000	51.424
4 Hexachlorobenzene	4.523	4.523	0.000	68472981	50.0000	52.370
5 gamma-BHC (Lindane)	4.713	4.712	0.001	84594445	50.0000	51.908
6 beta-BHC	4.925	4.925	0.000	37978451	50.0000	49.685
8 delta-BHC	5.120	5.119	0.001	92639073	50.0000	51.414
9 Heptachlor	5.163	5.162	0.001	78216479	50.0000	55.544
12 Aldrin	5.442	5.442	0.000	81398979	50.0000	51.341
15 Heptachlor epoxide	5.885	5.885	0.000	74630820	50.0000	51.510
17 gamma-Chlordane	6.265	6.266	-0.001	78601288	50.0000	50.484
18 alpha-Chlordane	6.326	6.326	0.000	75868916	50.0000	50.377
19 Endosulfan I	6.369	6.368	0.001	70816668	50.0000	52.394
20 4,4'-DDE	6.552	6.551	0.001	77123451	50.0000	50.654
22 Dieldrin	6.699	6.698	0.001	77669321	50.0000	51.126
24 Endrin	6.975	6.976	-0.001	70642981	50.0000	53.340
26 4,4'-DDD	7.194	7.194	0.000	67857644	50.0000	50.770
27 Endosulfan II	7.303	7.302	0.001	67243761	50.0000	50.306
29 Endrin aldehyde	7.431	7.432	-0.001	55662869	50.0000	50.604
30 4,4'-DDT	7.547	7.547	0.000	44199475	50.0000	62.042
31 Endosulfan sulfate	7.757	7.757	0.000	60457491	50.0000	52.181
32 Methoxychlor	8.058	8.058	0.000	22561026	50.0000	62.499
33 Endrin ketone	8.196	8.196	0.000	69129522	50.0000	52.521
34 Mirex	8.709	8.710	-0.001	43317624	50.0000	52.418
$ 35 Decachlorobiphenyl	9.985	9.987	-0.002	52740248	50.0000	50.714

Data File: /chem/GC_C.i/C042007-2.b/C#B-057f5701.d
Date : 21-APR-2007 06:15
Client ID:
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 21-APR-2007 06:31
Lab File ID: C#A-058f5801.d
Lab Sample ID: TOX L1 GSV119006
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	213.3562	6.7	15.0

Average %D = 6.68

Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d Page 1
Report Date: 23-Apr-2007 08:59

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 21-APR-2007 06:31
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 58 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.598	5.599	-0.001	4025210	200.000	213.70	80.00- 120.00	100.00(M)
5.959	5.963	-0.004	3797030	200.000	233.24	75.46- 113.20	94.33
6.602	6.604	-0.002	8611216	200.000	219.31	171.15- 256.72	213.93
7.034	7.036	-0.002	4647184	200.000	202.60	92.36- 138.54	115.45
7.576	7.579	-0.003	5020106	200.000	197.94	99.77- 149.66	124.72
Average of Peak Amounts =					213		

QC Flag Legend

M - Compound response manually integrated.

545

Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Date : 21-APR-2007 06:31
Client ID:
Sample Info: TOX L1 GSV119006

Column phase: CLP-PEST II

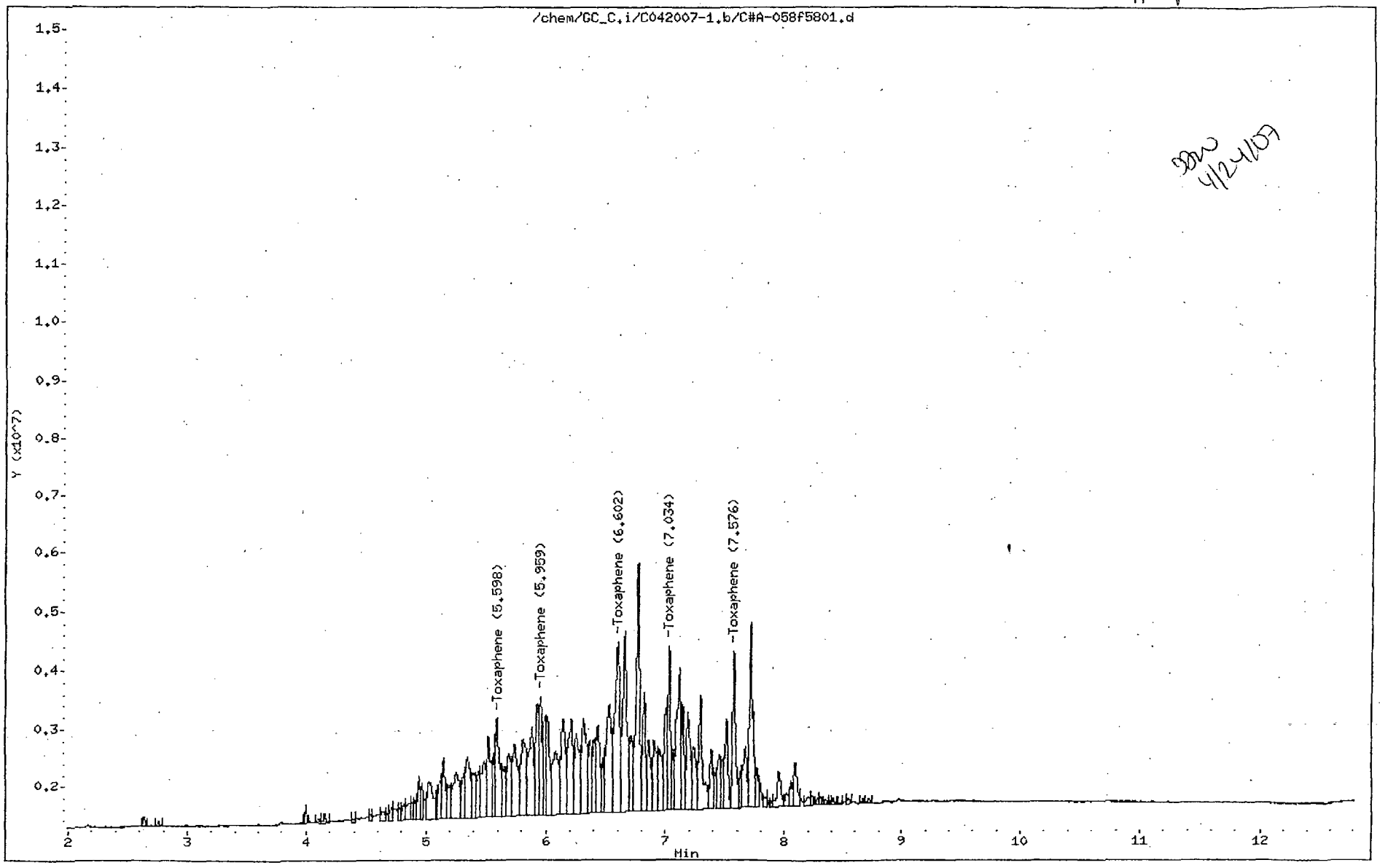
Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

4/26/07 MPK

SDW 4/24/07



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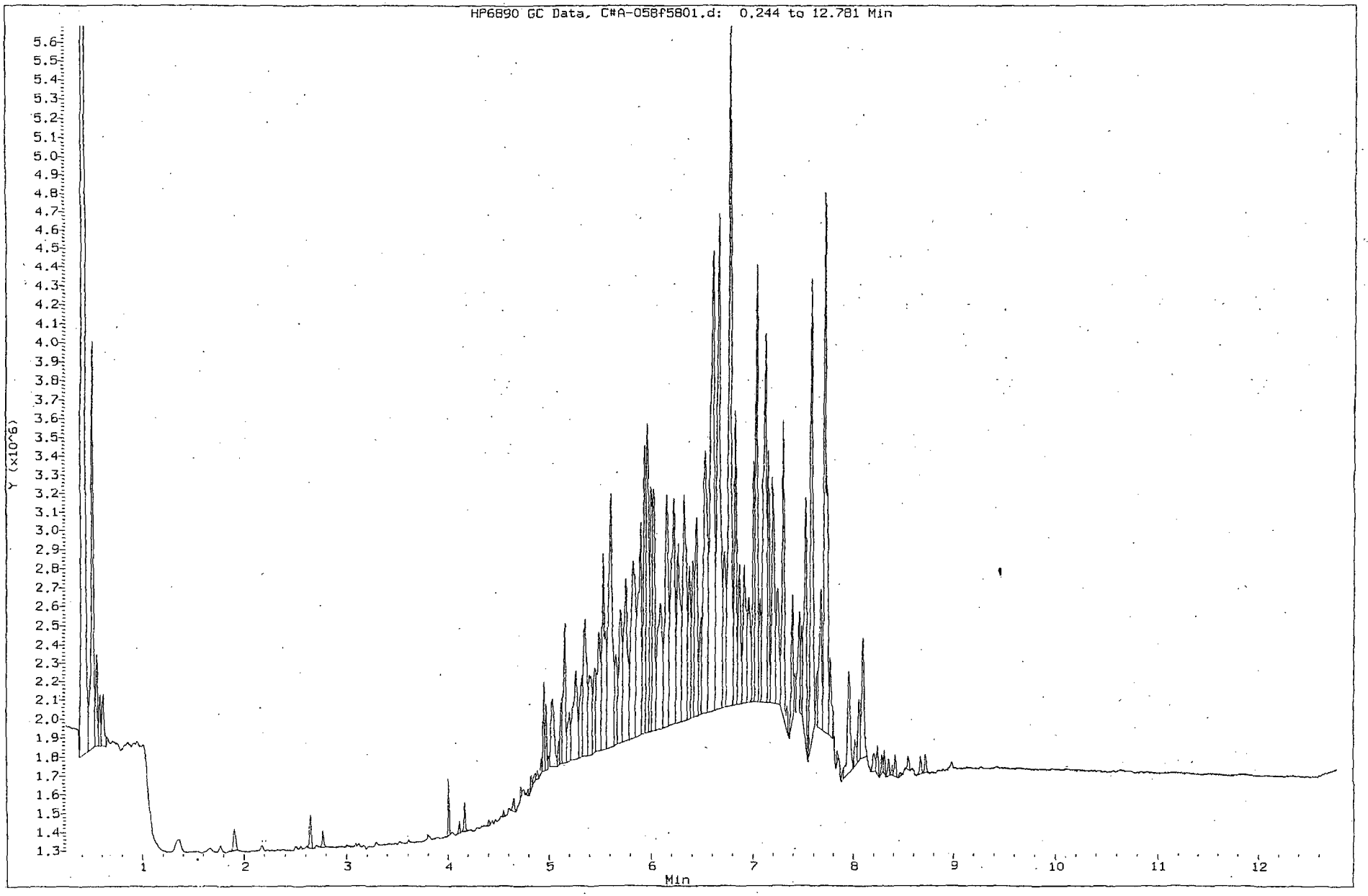
ORIGINAL

Data File: /chem/GC_C.i/C042007-1.b/C#A-058f5801.d
Injection Date: 21-APR-2007 06:31
Instrument: GC_C.i
Client Sample ID:



Data File: /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-064f6401.d
Analysis Type: NONE

Injection Date: 21-APR-2007 08:09
Lab Sample ID: AP9 L4 GSV000507
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	3500.0000	3460.6286	1.1	15.0	
118 chlorpyrifos	175.0000	178.4189	2.0	15.0	
119 Isodrin/Dicofol	175.0000	165.9215	5.2	15.0	
121 2,4'-DDE	35.0000	34.8136	0.5	15.0	
122 2,4'-DDD	35.0000	35.3410	1.0	15.0	
125 Chlorobenzilate	350.0000	350.4552	0.1	15.0	
123 2,4'-DDT	35.0000	35.3263	0.9	15.0	
124 Kepone	350.0000	338.5597	3.3	53.0	
126 DBPP	1750.0000	2584.1275	47.7	15.0	<-

CL
4/24/07

Average %D = 6.86

Data File: /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 21-APR-2007 08:09
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 64 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.892	0.001	120140278	3500.00	3460.6(A)
11 chlorpyrifos	5.025	5.026	-0.001	101209417	175.000	178.42
12 Isodrin/Dicofol	5.225	5.226	-0.001	216971956	175.000	165.92(A)
15 2,4'-DDE	5.561	5.561	0.000	33120378	35.0000	34.814
21 2,4'-DDD	6.098	6.097	0.001	29337787	35.0000	35.341
22 Chlorobenzilate	6.223	6.226	-0.003	29756442	350.000	350.46(A)
24 2,4'-DDT	6.454	6.455	-0.001	28577179	35.0000	35.326
25 Kepone	6.510	6.511	-0.001	141507808	350.000	338.56(A)
35 DBPP	11.227	11.235	-0.008	122566207	1750.00	2584.1

QC Flag Legend

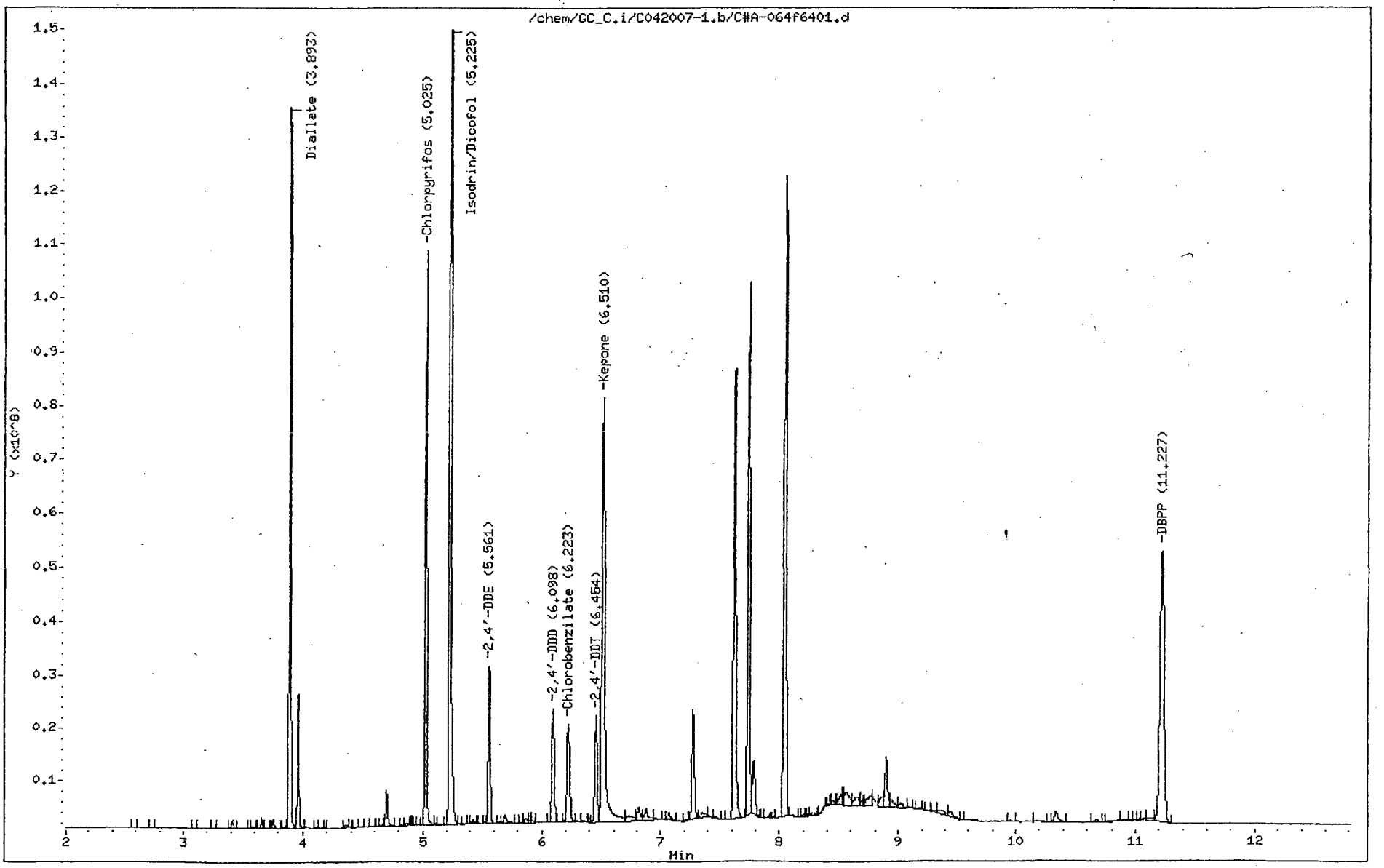
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C042007-1.b/C#A-064f6401.d
Date : 21-APR-2007 08:09
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-064f6401.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 21-APR-2007 08:09
Lab File ID: C#B-064f6401.d
Lab Sample ID: AP9 L4 GSV000507
Analysis Type: NONE
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	3500.0000	3411.3498	2.5	15.0	
124 Chlorpyrifos	175.0000	172.2790	1.6	15.0	
134 Dicofol	350.0000	167.6926	52.1	15.0	<-
125 Isodrin	175.0000	167.7862	4.1	15.0	
127 2,4'-DDE	35.0000	34.9678	0.1	15.0	
128 2,4'-DDD	35.0000	33.8532	3.3	15.0	
131 Chlorobenzilate	350.0000	364.3680	4.1	15.0	
129 2,4'-DDT	35.0000	37.5600	7.3	15.0	
130 Kepone	350.0000	168.0112	52.0	53.0	
132 DBPP	1750.0000	3910.3227	123.4	15.0	<-

Average %D = 25.0

Data File: /chem/GC_C.i/C042007-2.b/C#B-064f6401.d
Report Date: 23-Apr-2007 09:08

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-064f6401.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 21-APR-2007 08:09
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:08 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 64 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.267	0.001	118103401	3500.00	3411.3(A)
10 Chlorpyrifos	5.378	5.379	-0.001	102859210	175.000	172.28
14 Isodrin	5.763	5.763	0.000	213499242	175.000	167.79
13 Dicofol	5.662	5.661	0.001	13578559	350.000	167.69
16 2,4'-DDE	6.083	6.084	-0.001	32421873	35.0000	34.968
21 2,4'-DDD	6.670	6.671	-0.001	30342403	35.0000	33.853
23 Chlorobenzilate	6.868	6.869	-0.001	35072202	350.000	364.37(A)
25 2,4'-DDT	7.045	7.047	-0.002	31592103	35.0000	37.560
28 Kepone	7.313	7.316	-0.003	7923941	350.000	168.01
36 DBPP	11.583	11.592	-0.009	112128261	1750.00	3910.3

QC Flag Legend

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

Data File: /chem/GC_C.i/C042007-2.b/C#B-064f6401.d

Date : 21-APR-2007 08:09

Client ID:

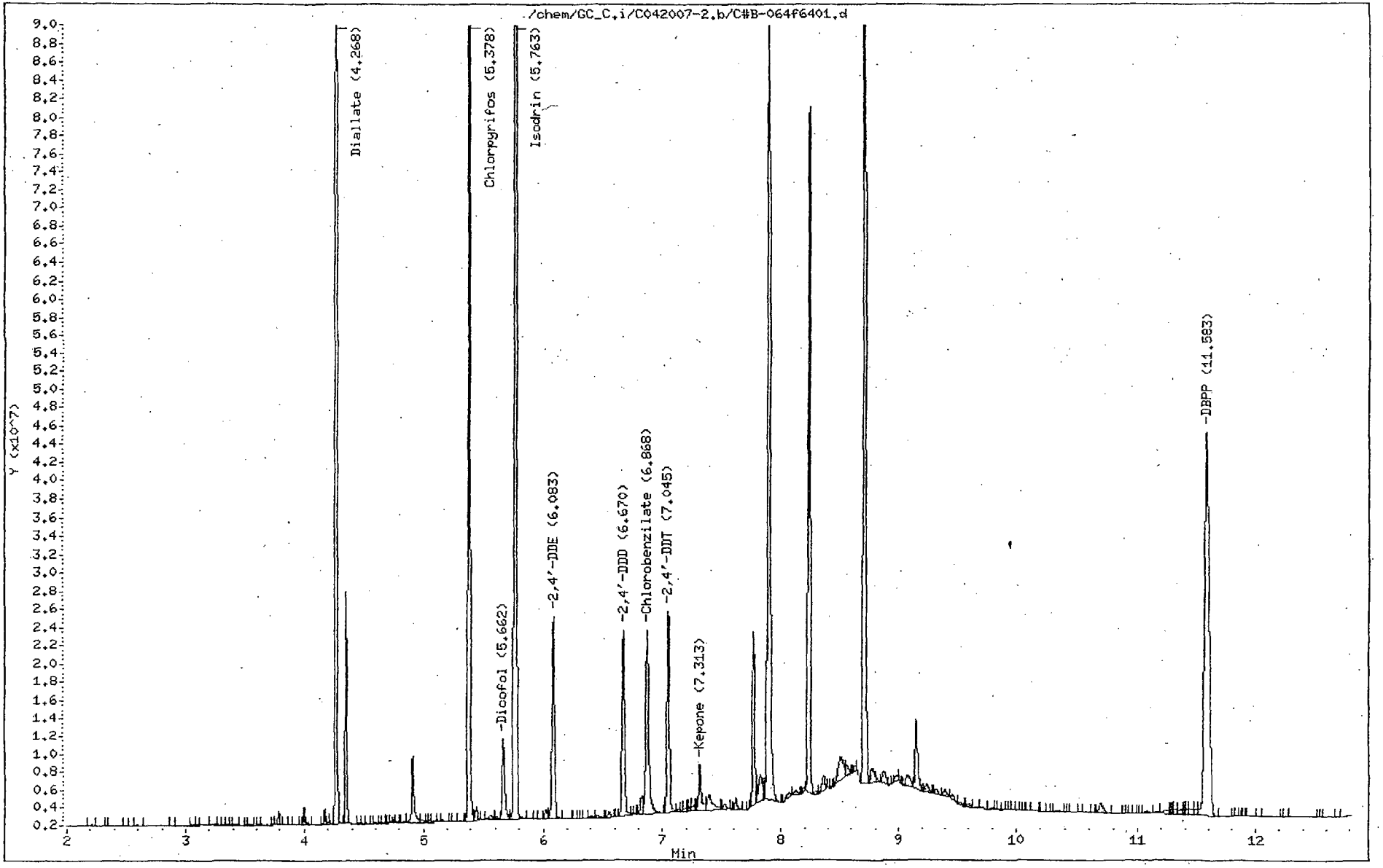
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-065f6501.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-065f6501.d
Analysis Type: NONE

Injection Date: 21-APR-2007 08:25
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
22 Tetrachloro-m-xylene	50.0000	52.0794	4.2	15.0	
127 Hexachlorobenzene	50.0000	53.4777	7.0	15.0	
1 alpha-BHC	50.0000	52.3104	4.6	15.0	
5 gamma-BHC (Lindane)	50.0000	51.7282	3.5	15.0	
2 beta-BHC	50.0000	52.3904	4.8	15.0	
17 Heptachlor	50.0000	53.6744	7.3	15.0	
3 delta-BHC	50.0000	51.7283	3.5	15.0	
10 Aldrin	50.0000	51.8237	3.6	15.0	
18 Heptachlor epoxide	50.0000	53.1049	6.2	15.0	
6 gamma-Chlordane	50.0000	51.4173	2.8	15.0	
100 alpha-Chlordane	50.0000	51.3461	2.7	15.0	
12 Endosulfan I	50.0000	52.6074	5.2	15.0	
8 4,4'-DDE	50.0000	52.1104	4.2	15.0	
57 Dieldrin	50.0000	52.6924	5.4	15.0	
15 Endrin	50.0000	54.9901	10.0	15.0	
7 4,4'-DDD	50.0000	50.6023	1.2	15.0	
101 Endosulfan II	50.0000	51.9953	4.0	15.0	
102 4,4'-DDT	50.0000	54.4027	8.8	15.0	
16 Endrin aldehyde	50.0000	51.7687	3.5	15.0	
14 Endosulfan sulfate	50.0000	52.8821	5.8	15.0	
103 Methoxychlor	50.0000	59.5418	19.1	15.0	<-
17 Endrin ketone	50.0000	52.6223	5.2	15.0	
106 Mirex	50.0000	53.2487	6.5	15.0	
21 Decachlorobiphenyl	50.0000	52.3928	4.8	15.0	

Average %D = 5.58

Data File: /chem/GC_C.i/C042007-1.b/C#A-065f6501.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-065f6501.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 21-APR-2007 08:25
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 65 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.622	3.621	0.001	59819155	50.0000	52.079
3 Hexachlorobenzene	4.057	4.056	0.001	64694740	50.0000	53.478
4 alpha-BHC	4.150	4.149	0.001	93479599	50.0000	52.310
5 gamma-BHC (Lindane)	4.437	4.436	0.001	86676499	50.0000	51.728
7 beta-BHC	4.629	4.629	0.000	36398986	50.0000	52.390
8 Heptachlor	4.692	4.691	0.001	69432493	50.0000	53.674
9 delta-BHC	4.823	4.823	0.000	90751139	50.0000	51.728
10 Aldrin	4.908	4.909	-0.001	77343920	50.0000	51.824
13 Heptachlor epoxide	5.342	5.341	0.001	69885937	50.0000	53.105
14 gamma-Chlordane	5.549	5.549	0.000	74451690	50.0000	51.417
17 alpha-Chlordane	5.642	5.643	-0.001	72087739	50.0000	51.346
18 Endosulfan I	5.691	5.691	0.000	67233375	50.0000	52.607
19 4,4'-DDE	5.867	5.868	-0.001	73129003	50.0000	52.110
20 Dieldrin	5.997	5.997	0.000	73985240	50.0000	52.692
23 Endrin	6.383	6.382	0.001	70781901	50.0000	54.990
26 4,4'-DDD	6.588	6.589	-0.001	65416402	50.0000	50.602
27 Endosulfan II	6.734	6.734	0.000	66470964	50.0000	51.995
28 4,4'-DDT	6.933	6.933	0.000	40746956	50.0000	54.403
29 Endrin aldehyde	7.022	7.022	0.000	55141459	50.0000	51.769
30 Endosulfan sulfate	7.267	7.267	0.000	62460073	50.0000	52.882
31 Methoxychlor	7.762	7.762	0.000	21070764	50.0000	59.542
32 Endrin ketone	7.932	7.933	-0.001	70140090	50.0000	52.622
33 Mirex	8.046	8.047	-0.001	48268356	50.0000	53.249
$ 34 Decachlorobiphenyl	9.172	9.175	-0.003	54895282	50.0000	52.393

555

Data File: /chem/GC_C.i/C042007-1.b/C#A-065f6501.d

Date : 21-APR-2007 08:25

Client ID:

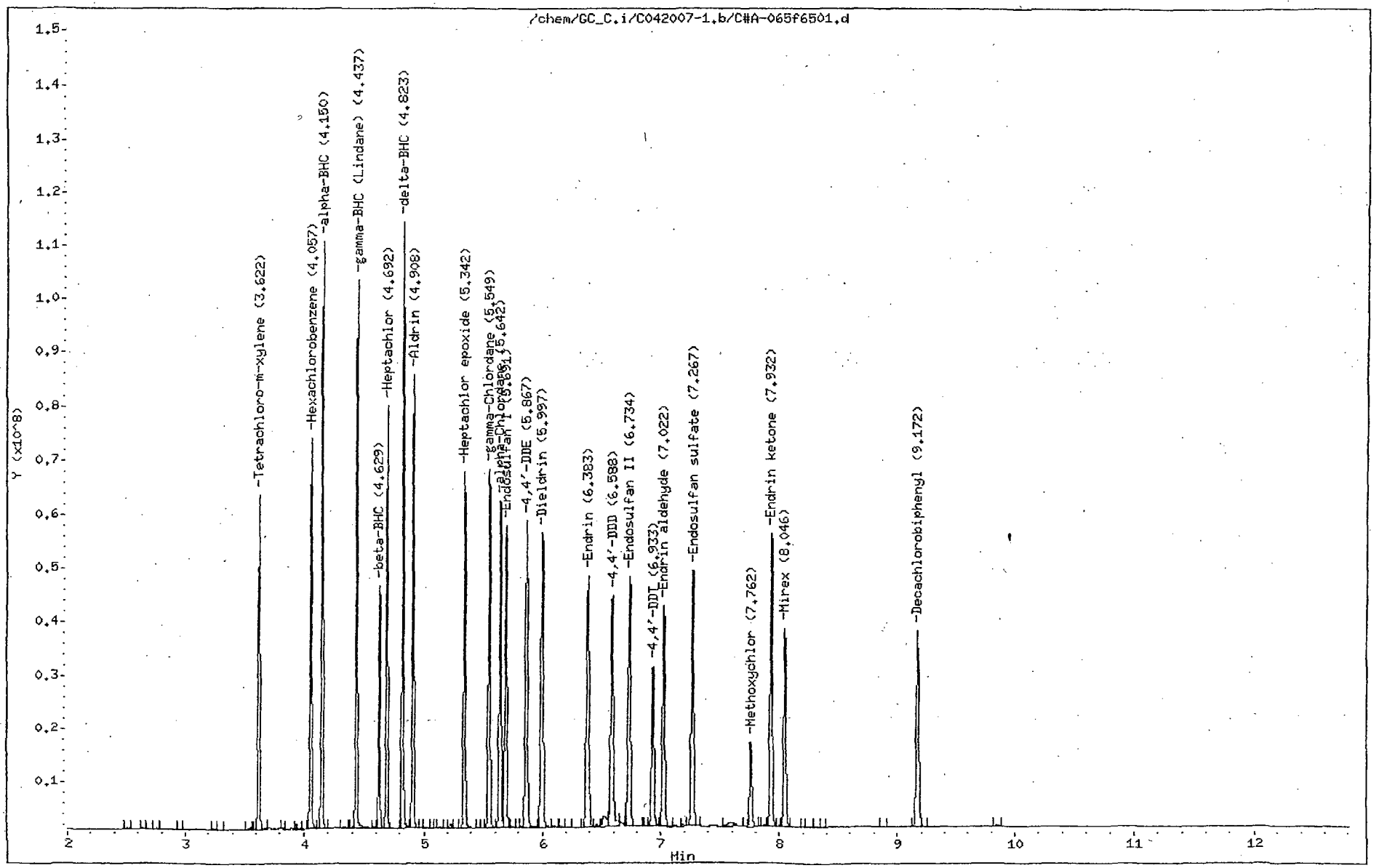
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-065f6501.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-065f6501.d
Analysis Type: NONE

Injection Date: 21-APR-2007 08:25
Lab Sample ID: AB L4 GSV019707
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
24 Tetrachloro-m-xylene	50.0000	52.3393	4.7	15.0	
2 alpha-BHC	50.0000	51.8476	3.7	15.0	
133 Hexachlorobenzene	50.0000	52.5896	5.2	15.0	
5 gamma-BHC (Lindane)	50.0000	52.2298	4.5	15.0	
2 beta-BHC	50.0000	49.8052	0.4	15.0	
4 delta-BHC	50.0000	51.5892	3.2	15.0	
122 Heptachlor	50.0000	56.4534	12.9	15.0	
1 Aldrin	50.0000	51.2959	2.6	15.0	
19 Heptachlor epoxide	50.0000	52.0054	4.0	15.0	
7 gamma-Chlordane	50.0000	50.7807	1.6	15.0	
6 alpha-Chlordane	50.0000	50.5818	1.2	15.0	
12 Endosulfan I	50.0000	53.4766	7.0	15.0	
9 4,4'-DDE	50.0000	50.7642	1.5	15.0	
11 Dieldrin	50.0000	51.1255	2.3	15.0	
15 Endrin	50.0000	54.7089	9.4	15.0	
8 4,4'-DDD	50.0000	51.0867	2.2	15.0	
13 Endosulfan II	50.0000	50.3423	0.7	15.0	
16 Endrin aldehyde	50.0000	49.4045	1.2	15.0	
10 4,4'-DDT	50.0000	63.5997	27.2	15.0	<-
14 Endosulfan sulfate	50.0000	51.8277	3.7	15.0	
21 Methoxychlor	50.0000	64.7312	29.5	15.0	<-
17 Endrin ketone	50.0000	52.1235	4.2	15.0	
22 Mirex	50.0000	51.6902	3.4	15.0	
23 Decachlorobiphenyl	50.0000	50.1735	0.3	15.0	

Average %D = 5.68

Data File: /chem/GC_C.i/C042007-2.b/C#B-065f6501.d Page 1
Report Date: 23-Apr-2007 09:08

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-065f6501.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 21-APR-2007 08:25
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:08 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 65 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.139	4.137	0.002	61881119	50.0000	52.339
3 alpha-BHC	4.467	4.466	0.001	98189050	50.0000	51.848
4 Hexachlorobenzene	4.524	4.523	0.001	68753852	50.0000	52.590
5 gamma-BHC (Lindane)	4.713	4.712	0.001	85119104	50.0000	52.230
6 beta-BHC	4.926	4.925	0.001	38069288	50.0000	49.805
8 delta-BHC	5.120	5.119	0.001	92954755	50.0000	51.589
9 Heptachlor	5.164	5.162	0.002	79496581	50.0000	56.453
12 Aldrin	5.442	5.442	0.000	81328002	50.0000	51.296
15 Heptachlor epoxide	5.887	5.885	0.002	75340600	50.0000	52.005
17 gamma-Chlordane	6.265	6.266	-0.001	79062783	50.0000	50.781
18 alpha-Chlordane	6.327	6.326	0.001	76177220	50.0000	50.582
19 Endosulfan I	6.369	6.368	0.001	72202246	50.0000	53.477
20 4,4'-DDE	6.552	6.551	0.001	77291137	50.0000	50.764
22 Dieldrin	6.700	6.698	0.002	77669213	50.0000	51.125
24 Endrin	6.976	6.976	0.000	72456008	50.0000	54.709
26 4,4'-DDD	7.193	7.194	-0.001	68281303	50.0000	51.087
27 Endosulfan II	7.303	7.302	0.001	67292170	50.0000	50.342
29 Endrin aldehyde	7.430	7.432	-0.002	54362540	50.0000	49.404
30 4,4'-DDT	7.547	7.547	0.000	45450407	50.0000	63.600
31 Endosulfan sulfate	7.757	7.757	0.000	60053225	50.0000	51.828
32 Methoxychlor	8.057	8.058	-0.001	23375914	50.0000	64.731
33 Endrin ketone	8.197	8.196	0.001	68606023	50.0000	52.123
34 Mirex	8.710	8.710	0.000	42729704	50.0000	51.690
$ 35 Decachlorobiphenyl	9.987	9.987	0.000	52193118	50.0000	50.174

558

Data File: /chem/GC_C.i/C042007-2.b/C#B-065f6501.d

Date : 21-APR-2007 08:25

Client ID:

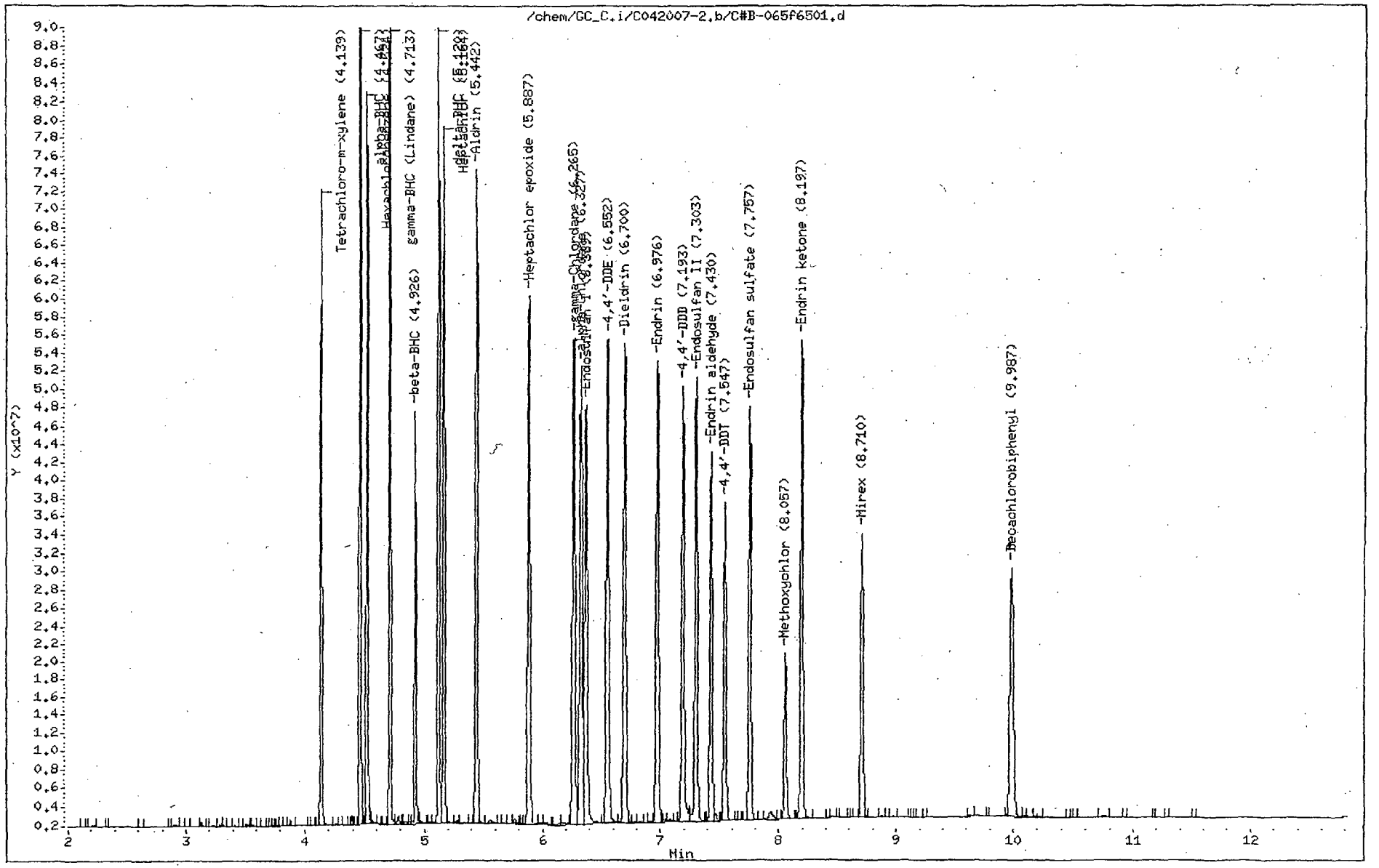
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-066f6601.d
Report Date: 04/23/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-066f6601.d
Analysis Type: NONE

Injection Date: 21-APR-2007 08:41
Lab Sample ID: TOX L1 GSV119006
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	205.4570	2.7	15.0

Average %D = 2.73

Data File: /chem/GC_C.i/C042007-1.b/C#A-066f6601.d Page 1
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-066f6601.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 21-APR-2007 08:41
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 09:00 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 66 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.599	5.599	0.000	4103670	200.000	217.87	80.00- 120.00	100.00(M)
5.961	5.963	-0.002	3561216	200.000	218.75	69.42- 104.14	86.78
6.604	6.604	0.000	8030287	200.000	204.51	156.55- 234.82	195.69
7.035	7.036	-0.001	4499187	200.000	196.14	87.71- 131.57	109.64
7.578	7.579	-0.001	4819008	200.000	190.01	93.95- 140.92	117.43
Average of Peak Amounts =					205		

QC Flag Legend

M - Compound response manually integrated.

561

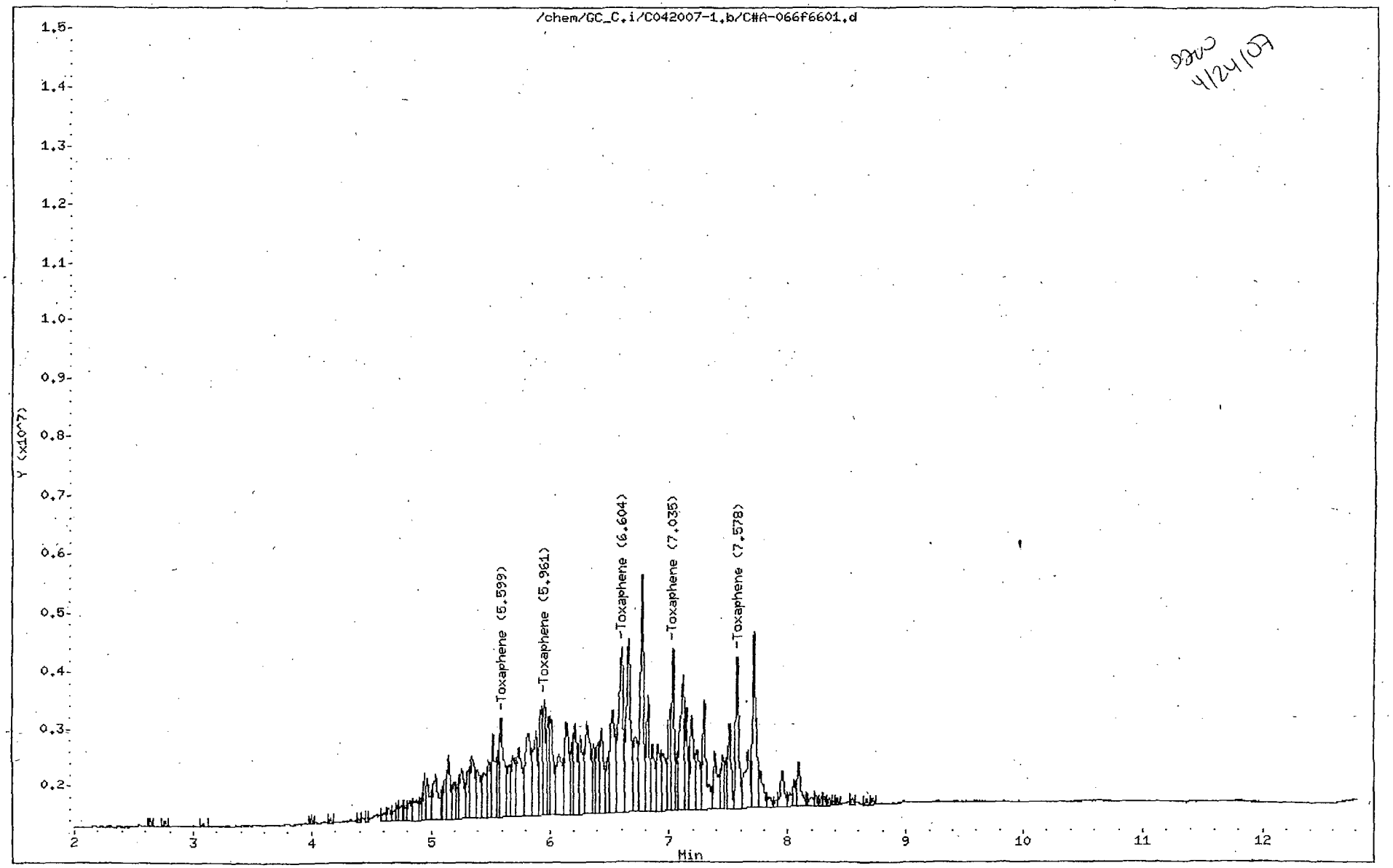
Data File: /chem/GC_C.i/C042007-1.b/C#A-066f6601.d
Date : 21-APR-2007 08:41
Client ID:
Sample Info: TOX L1 GSV119006

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event
4/23/07 MPH

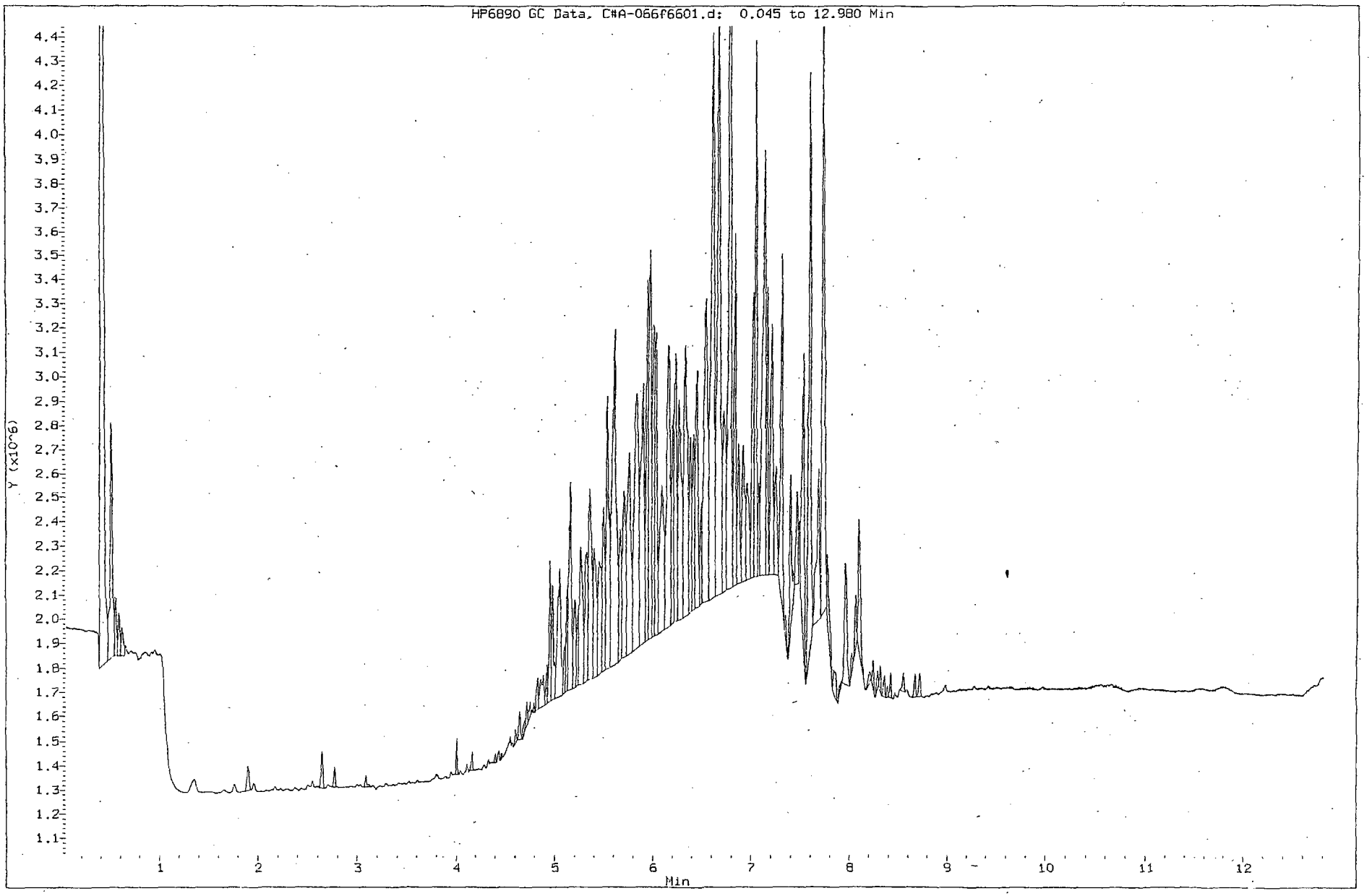


DDW 4/24/07

562

ORIGINAL

Data File: /chem/GC_C.i/C042007-1.b/C#A-066f6601.d
Injection Date: 21-APR-2007 08:41
Instrument: GC_C.i
Client Sample ID:



GC SEMIVOLATILE SAMPLE DATA

STL

Data File: /chem/GC_C.i/C042007-1.b/C#A-060f6001.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-060f6001.d
Lab Smp Id: JTR4J1A2 Client Smp ID: BSS-8-EPA
Inj Date : 21-APR-2007 07:04
Operator : Michael Inst ID: GC_C.i
Smp Info : JTR4J1A2,264-5
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 60
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	30.50000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.620	3.621	-0.001	21402587	18.2465	5.9824
2 Diallate	Compound Not Detected.					
3 Hexachlorobenzene	Compound Not Detected.					
4 alpha-BHC	Compound Not Detected.					
5 gamma-BHC (Lindane)	Compound Not Detected.					
6 Technical Chlordane	4.567	4.560	0.007	258884	79.2882	25.996(q)
7 beta-BHC	Compound Not Detected.					
8 Heptachlor	Compound Not Detected.					
9 delta-BHC	4.830	4.823	0.007	3805168	2.16895	~~0.71113(a)~~ NC
10 Aldrin	Compound Not Detected.					
11 chlorpyrifos	Compound Not Detected.					
12 Isodrin/Dicofol	Compound Not Detected.					
13 Heptachlor epoxide	5.345	5.341	0.004	2840889	1.50561	~~0.49364(a)~~ NC
14 gamma-Chlordane	5.551	5.549	0.002	2695883	1.86181	~~0.61043(a)~~ NC
15 2,4'-DDE	Compound Not Detected.					

CL 4/24/07

Data File: /chem/GC_C.i/C042007-1.b/C#A-060f6001.d
Report Date: 23-Apr-2007 09:00

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
16 Toxaphene	Compound Not Detected.					
17 alpha-Chlordane	Compound Not Detected.					
18 Endosulfan I	Compound Not Detected.					
19 4,4'-DDE	Compound Not Detected.					
20 Dieldrin	Compound Not Detected.					
21 2,4'-DDD	6.100	6.097	0.003	7184100	7.86345	2.5782
22 Chlorobenzilate	Compound Not Detected.					
23 Endrin	Compound Not Detected.					
24 2,4'-DDT	6.447	6.455	-0.008	758604	0.93777	0.30746(a)
25 Kepone	Compound Not Detected.					
26 4,4'-DDD	Compound Not Detected.					
27 Endosulfan II	Compound Not Detected.					
28 4,4'-DDT	Compound Not Detected.					
29 Endrin aldehyde	Compound Not Detected.					
30 Endosulfan sulfate	Compound Not Detected.					
31 Methoxychlor	Compound Not Detected.					
32 Endrin ketone	Compound Not Detected.					
33 Mirex	Compound Not Detected.					
$ 34 Decachlorobiphenyl	9.173	9.175	-0.002	19235908	17.6299	5.7803
35 DBPP	11.230	11.235	-0.005	995611	680.242	223.03

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
q - Qualifier signal exceeded ratio warning limit.

Data File: /chem/GC_C.i/C042007-1.b/C#A-060f6001.d Page 3
Report Date: 23-Apr-2007 09:00

STL Denver

RECOVERY REPORT

Client Name: EA Engineering, Scie12-APR-2007 00:00 Client SDG: I7D120264
Sample Matrix: SOLID Fraction: pest
Lab Smp Id: JTR4J1A2 Client Smp ID: BSS-8-EPA
Level: LOW Operator: Michael
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: 8081_SOIL.spk Quant Type: ESTD
Sublist File: 1-ALLCOMP.sub
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m
Misc Info: Column 1 ICAL 03-22-06

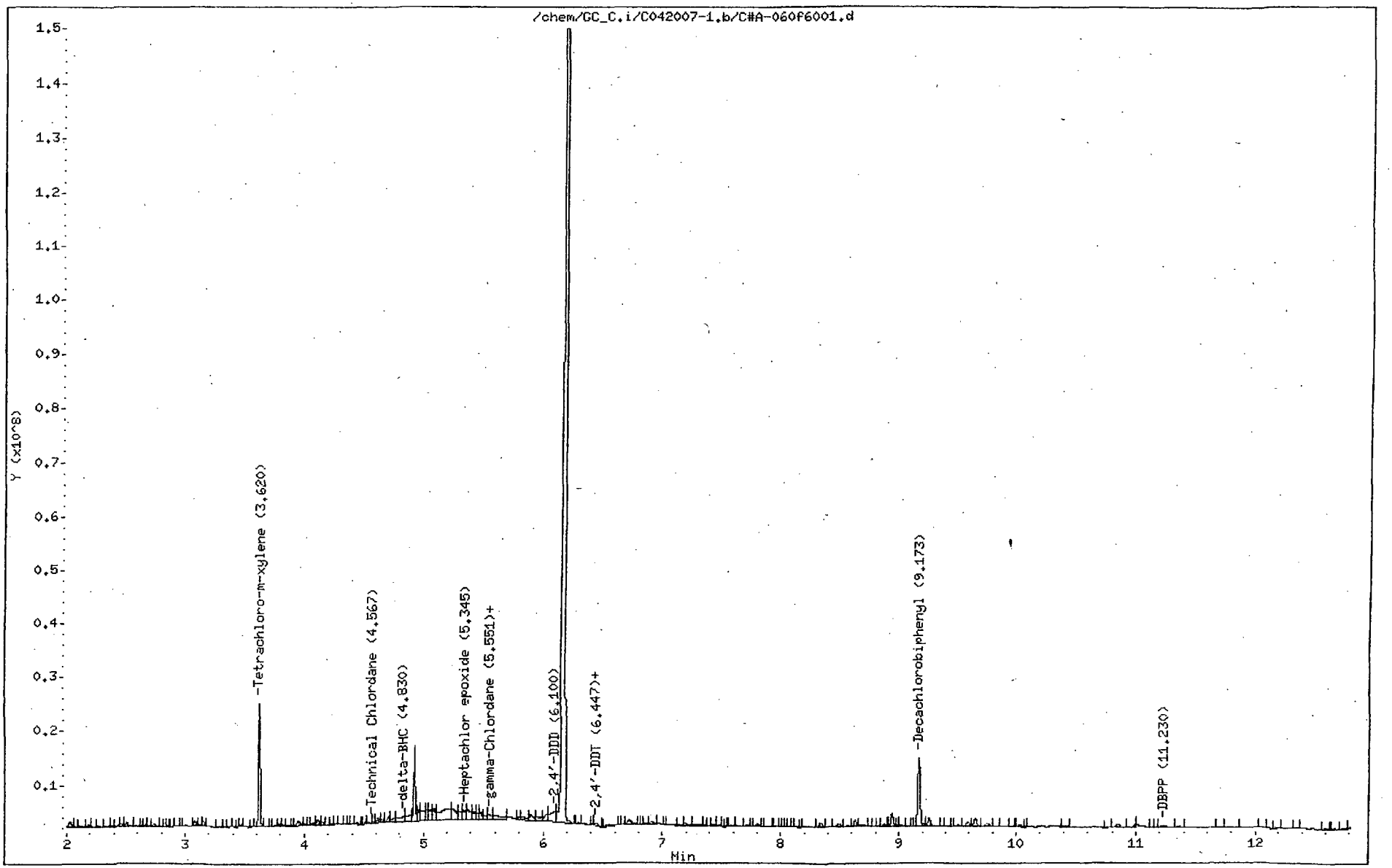
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.5574	5.9824	91.23	60-119
$ 34 Decachlorobiphenyl	6.5574	5.7803	88.15	50-151

Data File: /chem/GC_C.i/C042007-1.b/C#A-060f6001.d
Date : 21-APR-2007 07:04
Client ID: BSS-8-EPA
Sample Info: JTR4J1A2,264-5

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-060f6001.d Page 1
Report Date: 23-Apr-2007 09:07

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-060f6001.d
Lab Smp Id: JTR4J1A2 Client Smp ID: BSS-8-EPA
Inj Date : 21-APR-2007 07:04
Operator : Michael Inst ID: GC_C.i
Smp Info : JTR4J1A2,264-5
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 60
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	30.50000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	4.138	4.137	0.001	21541667	17.9099	5.8721
2 Diallate	Compound Not Detected.					
3 alpha-BHC	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 gamma-BHC (Lindane)	Compound Not Detected.					
6 beta-BHC	Compound Not Detected.					
7 Technical Chlordane	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Heptachlor	Compound Not Detected.					
10 chlorpyrifos	Compound Not Detected.					
11 Toxaphene	5.399	5.413	-0.014	1632299	98.1537	32.182(aq)
12 Aldrin	Compound Not Detected.					
13 Dicofol	Compound Not Detected.					
14 Isodrin	Compound Not Detected.					

Data File: /chem/GC_C.i/C042007-2.b/C#B-060f6001.d
Report Date: 23-Apr-2007 09:07

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 alpha-Chlordane	Compound Not Detected.					
19 Endosulfan I	Compound Not Detected.					
20 4,4'-DDE	Compound Not Detected.					
21 2,4'-DDD	Compound Not Detected.					
22 Dieldrin	Compound Not Detected.					
23 Chlorobenzilate	Compound Not Detected.					
24 Endrin	Compound Not Detected.					
25 2,4'-DDT	Compound Not Detected.					
26 4,4'-DDD	Compound Not Detected.					
27 Endosulfan II	Compound Not Detected.					
28 Kepone	7.328	7.316	0.012	222245	98.1029	32.165(a)
29 Endrin aldehyde	Compound Not Detected.					
30 4,4'-DDT	Compound Not Detected.					
31 Endosulfan sulfate	Compound Not Detected.					
32 Methoxychlor	8.069	8.058	0.011	710593	2.63577	0.86419(a)
33 Endrin ketone	8.209	8.196	0.013	945363	0.71824	0.23549(a)
34 Mirex	Compound Not Detected.					
$ 35 Decachlorobiphenyl	9.985	9.987	-0.002	18909603	17.3060	5.6741
36 DBPP	11.587	11.592	-0.005	292316	1316.26	431.56

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
q - Qualifier signal exceeded ratio warning limit.

Data File: /chem/GC_C.i/C042007-2.b/C#B-060f6001.d Page 3
Report Date: 23-Apr-2007 09:07

STL Denver

RECOVERY REPORT

Client Name: EA Engineering, Scie12-APR-2007 00:00 Client SDG: I7D120264
Sample Matrix: SOLID Fraction: pest
Lab Smp Id: JTR4J1A2 Client Smp ID: BSS-8-EPA
Level: LOW Operator: Michael
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: 8081_SOIL.spk Quant Type: ESTD
Sublist File: 1-ALLCOMP.sub
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m
Misc Info: Column 2 ICAL 03-22-06

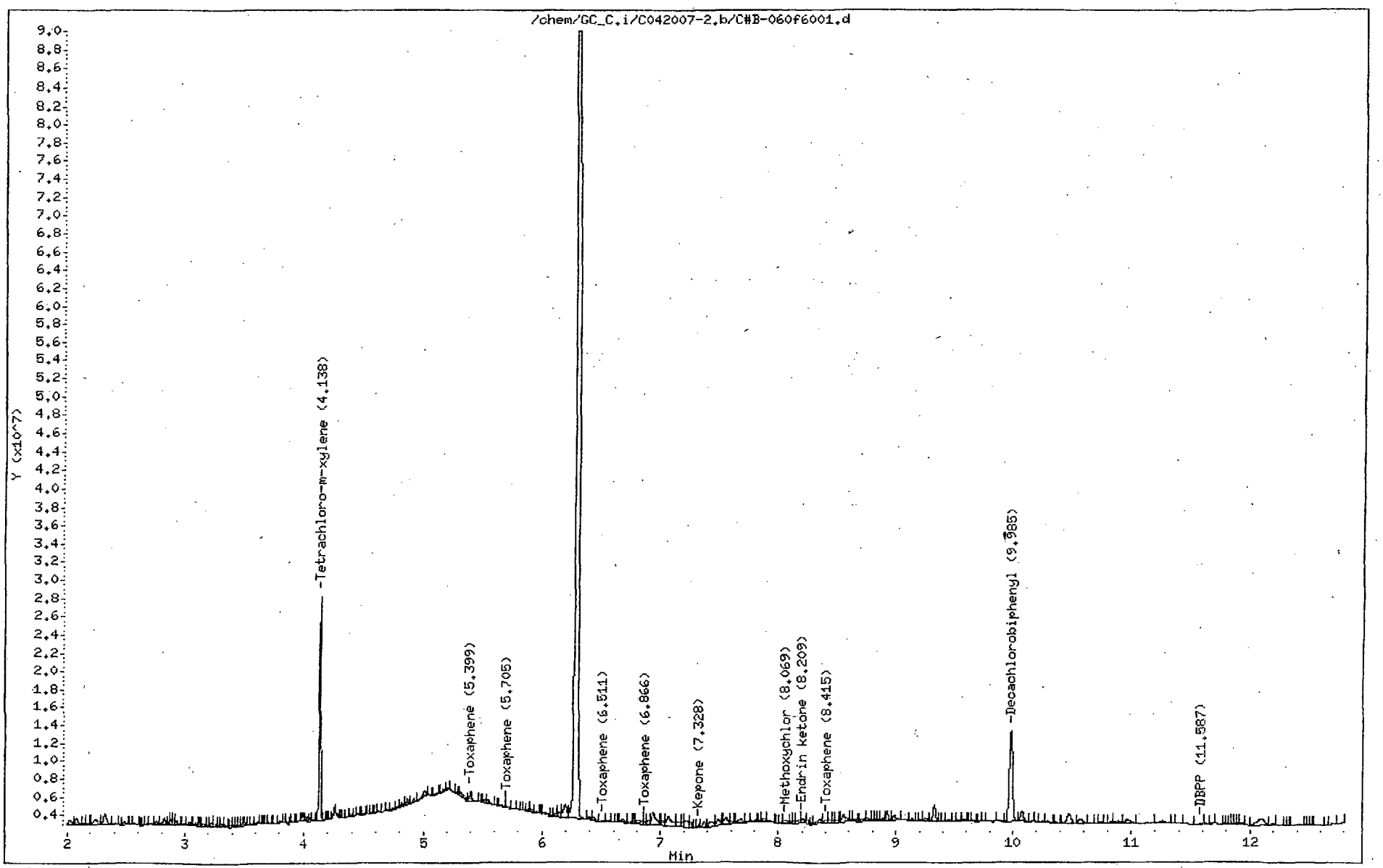
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.5574	5.8721	89.55	60-119
$ 35 Decachlorobiphenyl	6.5574	5.6741	86.53	50-151

Data File: /chem/GC_C.i/C042007-2.b/C#B-060f6001.d
Date : 21-APR-2007 07:04
Client ID: BSS-8-EPA
Sample Info: JTR4J1A2,264-5

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-061f6101.d
Report Date: 24-Apr-2007 12:49

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-061f6101.d
Lab Smp Id: JTR4J1A6 Client Smp ID: BSS-8-EPA
Inj Date : 21-APR-2007 07:20
Operator : Michael Inst ID: GC_C.i
Smp Info : JTR4J1A6,264-5S
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 09:09 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 61 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	30.70000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.621	3.621	0.000	20254540	17.2354	5.6141
3 Hexachlorobenzene	Compound Not Detected.					
4 alpha-BHC	4.149	4.149	0.000	74288609	41.5713	13.541
5 gamma-BHC (Lindane)	4.436	4.436	0.000	68924023	41.1336	13.398
7 beta-BHC	4.628	4.629	-0.001	26374087	37.7546	12.298
8 Heptachlor	4.691	4.691	0.000	60310976	46.6230	15.187
9 delta-BHC	4.822	4.823	-0.001	74761862	42.6144	13.881
10 Aldrin	4.908	4.909	-0.001	62627093	41.9628	13.669(M)
13 Heptachlor epoxide	5.341	5.341	0.000	60340893	45.7588	14.905
14 gamma-Chlordane	5.548	5.549	-0.001	59055794	40.7847	13.285
17 alpha-Chlordane	5.641	5.643	-0.002	56077751	39.9427	13.011
18 Endosulfan I	5.689	5.691	-0.002	52921339	41.2717	13.444
19 4,4'-DDE	5.866	5.868	-0.002	61164604	43.4369	14.149
20 Dieldrin	5.996	5.997	-0.001	60416751	42.9332	13.985

CL 4/24/07

Data File: /chem/GC_C.i/C042007-1.b/C#A-061f6101.d
Report Date: 24-Apr-2007 12:49

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23 Endrin	6.381	6.382	-0.001	61789260	48.0038	15.636
26 4,4'-DDD	6.587	6.589	-0.002	48734984	37.4972	12.214
27 Endosulfan II	6.733	6.734	-0.001	55274662	42.8003	13.941
28 4,4'-DDT	6.931	6.933	-0.002	49730439	65.3472	21.286(R)
29 Endrin aldehyde	7.020	7.022	-0.002	20822929	18.6777	6.0839(R)
30 Endosulfan sulfate	7.266	7.267	-0.001	56429726	47.5065	15.474
31 Methoxychlor	7.761	7.762	-0.001	26269610	74.2327	24.180(R)
32 Endrin ketone	7.931	7.933	-0.002	62183907	46.3087	15.084
33 Mirex	Compound Not Detected.					
$ 34 Decachlorobiphenyl	9.170	9.175	-0.005	18420872	16.8353	5.4838

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /chem/GC_C.i/C042007-1.b/C#A-061f6101.d Page 3
Report Date: 24-Apr-2007 12:49

STL Denver

RECOVERY REPORT

Client Name: EA Engineering, Scie12-APR-2007 00:00 Client SDG: I7D120264
Sample Matrix: SOLID Fraction: pest
Lab Smp Id: JTR4J1A6 Client Smp ID: BSS-8-EPA
Level: LOW Operator: Michael
Data Type: GC MULTI COMP SampleType: MS
SpikeList File: 8081_SOIL.spk Quant Type: ESTD
Sublist File: 1-INDAB.sub
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m
Misc Info: Column 1 ICAL 03-22-06

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
4 alpha-BHC	16.287	13.541	83.14	62-110
5 gamma-BHC (Lindane	16.287	13.398	82.27	66-116
7 beta-BHC	16.287	12.298	75.51	63-114
9 delta-BHC	16.287	13.881	85.23	59-105
8 Heptachlor	16.287	15.187	93.25	71-117
10 Aldrin	16.287	13.669	83.93	72-112
13 Heptachlor epoxide	16.287	14.905	91.52	73-113
14 gamma-Chlordane	16.287	13.285	81.57	71-114
17 alpha-Chlordane	16.287	13.011	79.89	72-112
18 Endosulfan I	16.287	13.444	82.54	72-113
19 4,4'-DDE	16.287	14.149	86.87	74-117
20 Dieldrin	16.287	13.985	85.87	74-119
23 Endrin	16.287	15.636	96.01	71-114
26 4,4'-DDD	16.287	12.214	74.99	70-118
27 Endosulfan II	16.287	13.941	85.60	74-117
28 4,4'-DDT	16.287	21.286	130.69*	63-122
29 Endrin aldehyde	16.287	6.0839	37.36*	64-104
31 Methoxychlor	16.287	24.180	148.47*	66-117
30 Endosulfan sulfate	16.287	15.474	95.01	71-126
32 Endrin ketone	16.287	15.084	92.62	74-120

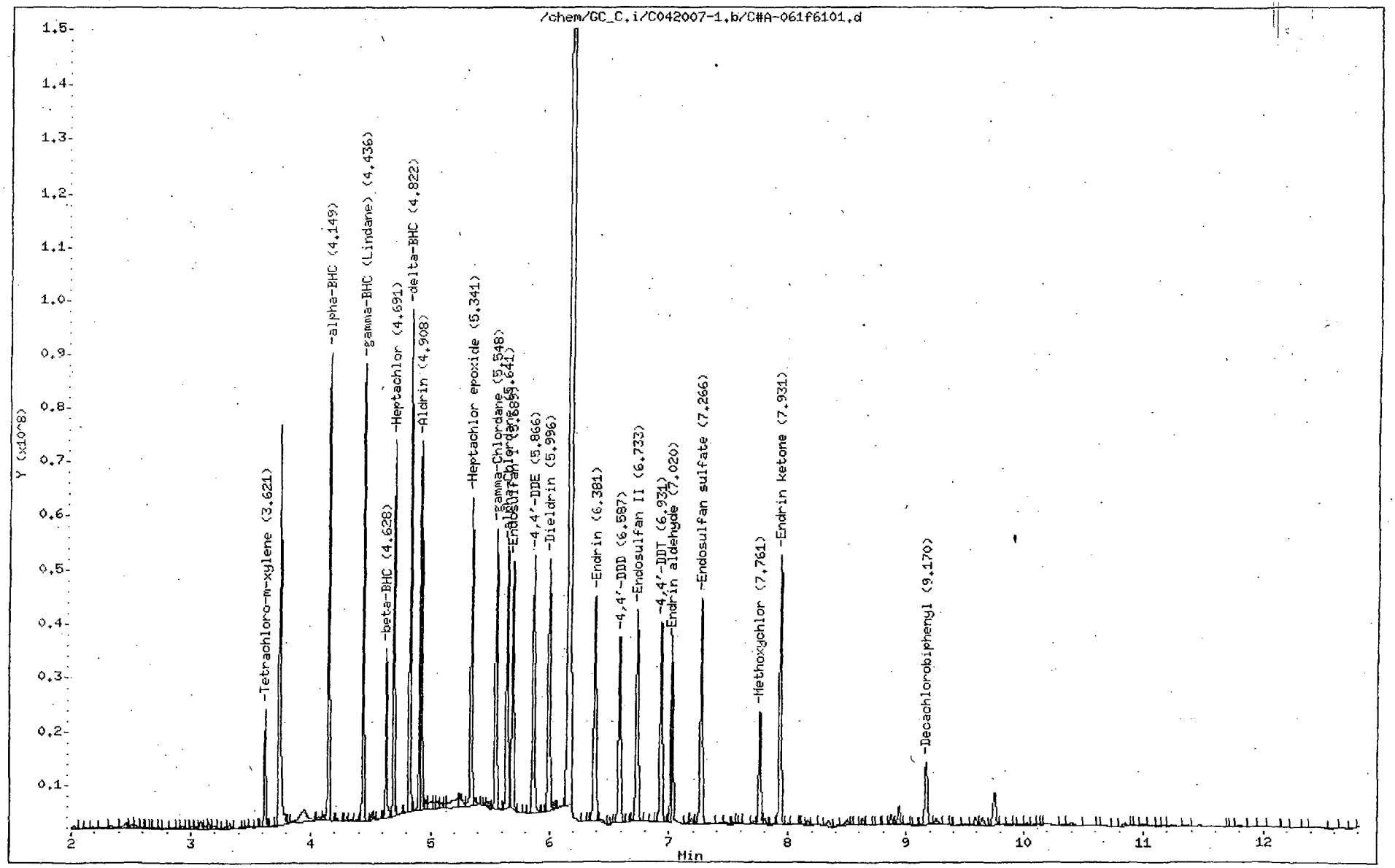
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.5146	5.6141	86.18	72-115
$ 34 Decachlorobiphenyl	6.5146	5.4838	84.18	78-124

Data File: /chem/GC_C.i/C042007-1.b/C#A-061f6101.d
Date : 21-APR-2007 07:20
Client ID: BSS-8-EPA
Sample Info: JTR4J1A6,264-5S

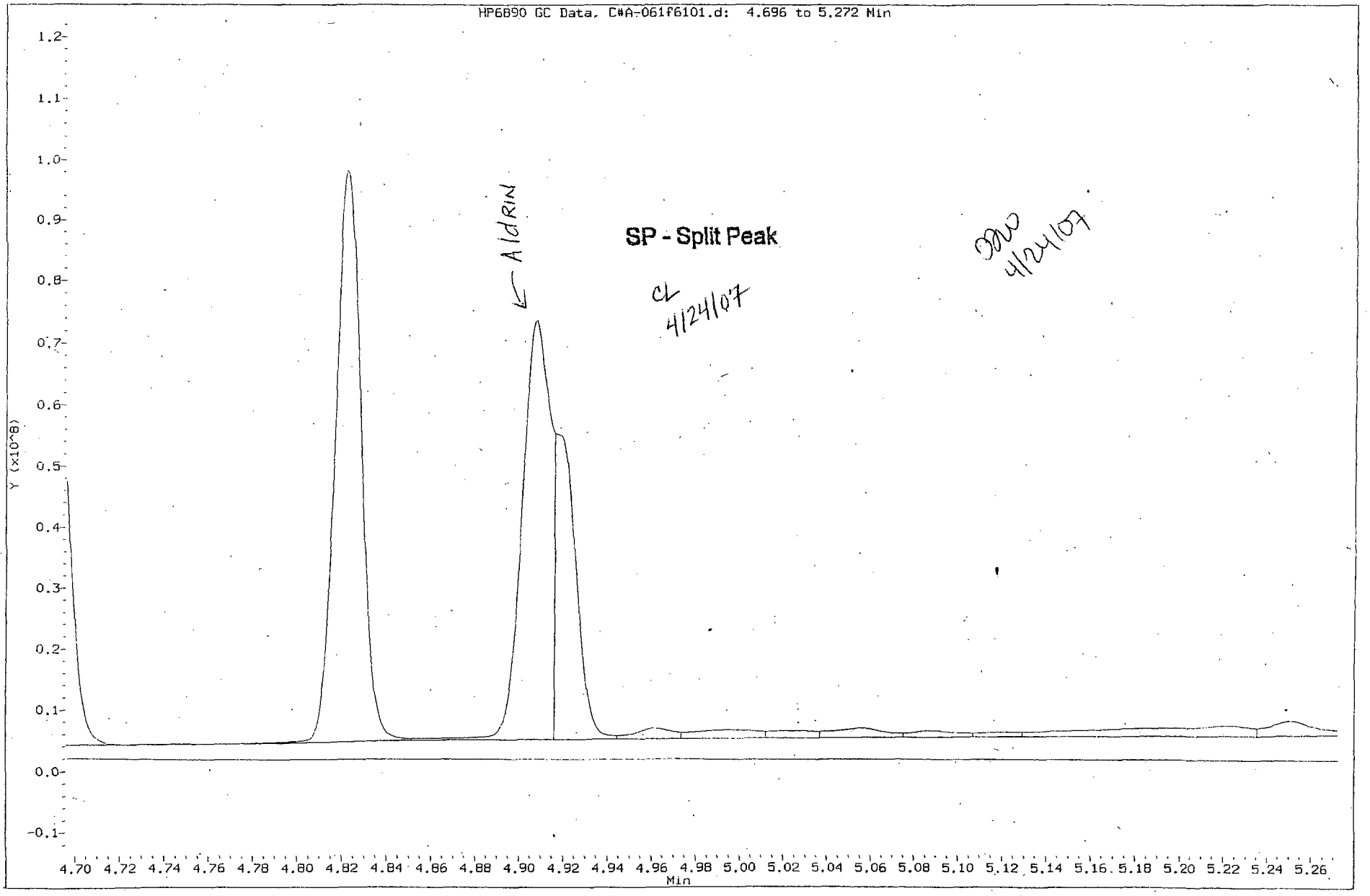
Column phase: CLP-PEST II

Instrument: GC_C.i

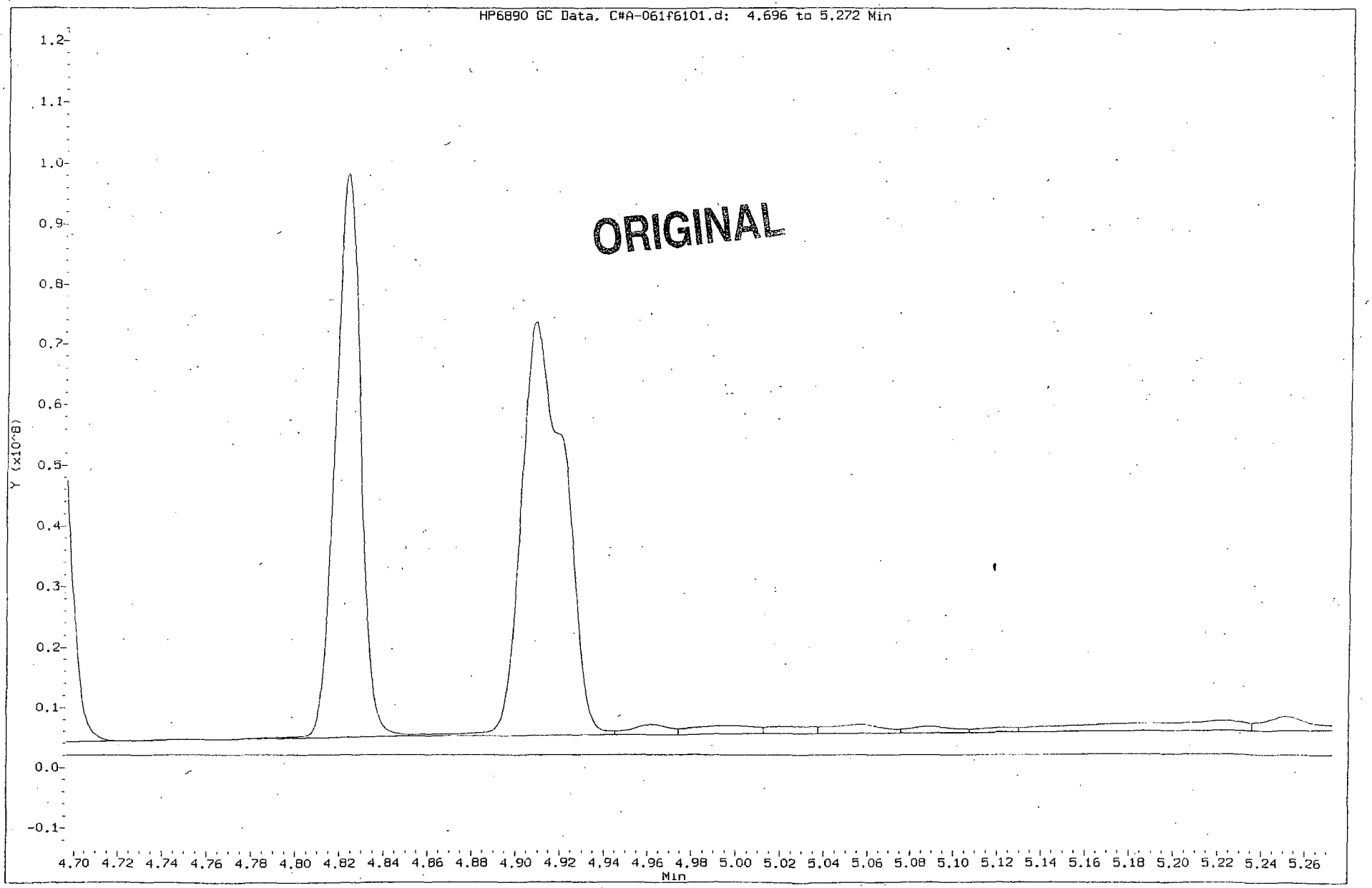
Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-061f6101.d
Injection Date: 21-APR-2007 07:20
Instrument: GC_C.i
Client Sample ID: BSS-8-EPA



Data File: /chem/GC_C.i/C042007-1.b/C#A-061f6101.d
Injection Date: 21-APR-2007 07:20
Instrument: GC_C.i
Client Sample ID: BSS-8-EPA



ORIGINAL

Data File: /chem/GC_C.i/C042007-2.b/C#B-061f6101.d
Report Date: 23-Apr-2007 09:08

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-061f6101.d
Lab Smp Id: JTR4J1A6 Client Smp ID: BSS-8-EPA
Inj Date : 21-APR-2007 07:20
Operator : Michael Inst ID: GC_C.i
Smp Info : JTR4J1A6,264-5S
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 61 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	30.70000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	4.138	4.137	0.001	21187148	17.6073	5.7353
3 alpha-BHC	4.466	4.466	0.000	82440166	43.5316	14.180
4 Hexachlorobenzene	Compound Not Detected.					
5 gamma-BHC (Lindane)	4.713	4.712	0.001	71881247	44.1070	14.367
6 beta-BHC	4.925	4.925	0.000	25820398	33.5644	10.933
8 delta-BHC	5.119	5.119	0.000	72445428	40.2067	13.097
9 Heptachlor	5.162	5.162	0.000	65275351	46.3544	15.099
12 Aldrin	5.441	5.442	-0.001	66584955	41.9970	13.680
15 Heptachlor epoxide	5.884	5.885	-0.001	63998667	44.0826	14.359
17 gamma-Chlordane	Compound Not Detected.					
18 alpha-Chlordane	6.325	6.326	-0.001	57103124	37.9166	12.351
19 Endosulfan I	6.368	6.368	0.000	55476149	40.4143	13.164
20 4,4'-DDE	6.550	6.551	-0.001	62948328	41.3439	13.467
22 Dieldrin	6.697	6.698	-0.001	64667561	42.5672	13.866

Data File: /chem/GC_C.i/C042007-2.b/C#B-061f6101.d
Report Date: 23-Apr-2007 09:08

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
24 Endrin	6.975	6.976	-0.001	61828338	46.6843	15.207
26 4,4'-DDD	7.191	7.194	-0.003	53954580	40.3677	13.149
27 Endosulfan II	7.301	7.302	-0.001	42131676	31.5193	10.267(R)
29 Endrin aldehyde	7.430	7.432	-0.002	41505923	37.5440	12.229
30 4,4'-DDT	7.544	7.547	-0.003	52727336	72.4894	23.612(R)
31 Endosulfan sulfate	7.756	7.757	-0.001	51760000	44.5790	14.521
32 Methoxychlor	8.056	8.058	-0.002	27638362	76.4089	24.889(R)
33 Endrin ketone	8.194	8.196	-0.002	63008120	47.8705	15.593
34 Mirex	Compound Not Detected.					
$ 35 Decachlorobiphenyl	9.982	9.987	-0.005	19250308	17.6424	5.7467

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/GC_C.i/C042007-2.b/C#B-061f6101.d
Report Date: 23-Apr-2007 09:08

STL Denver

RECOVERY REPORT

Client Name: EA Engineering, Scie12-APR-2007 00:00 Client SDG: I7D120264
Sample Matrix: SOLID Fraction: pest
Lab Smp Id: JTR4J1A6 Client Smp ID: BSS-8-EPA
Level: LOW Operator: Michael
Data Type: GC MULTI COMP SampleType: MS
SpikeList File: 8081_SOIL.spk Quant Type: ESTD
Sublist File: 1-INDAB.sub
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m
Misc Info: Column 2 ICAL 03-22-06

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
3 alpha-BHC	16.287	14.180	87.06	62-110
5 gamma-BHC (Lindane	16.287	14.367	88.21	66-116
6 beta-BHC	16.287	10.933	67.13	63-114
8 delta-BHC	16.287	13.097	80.41	59-105
9 Heptachlor	16.287	15.099	92.71	71-117
12 Aldrin	16.287	13.680	83.99	72-112
15 Heptachlor epoxide	16.287	14.359	88.17	73-113
17 gamma-Chlordane	16.287	0.0000	*	71-114
18 alpha-Chlordane	16.287	12.351	75.83	72-112
19 Endosulfan I	16.287	13.164	80.83	72-113
20 4,4'-DDE	16.287	13.467	82.69	74-117
22 Dieldrin	16.287	13.866	85.13	74-119
24 Endrin	16.287	15.207	93.37	71-114
26 4,4'-DDD	16.287	13.149	80.74	70-118
27 Endosulfan II	16.287	10.267	63.04*	74-117
30 4,4'-DDT	16.287	23.612	144.98*	63-122
29 Endrin aldehyde	16.287	12.229	75.09	64-104
32 Methoxychlor	16.287	24.889	152.82*	66-117
31 Endosulfan sulfate	16.287	14.521	89.16	71-126
33 Endrin ketone	16.287	15.593	95.74	74-120

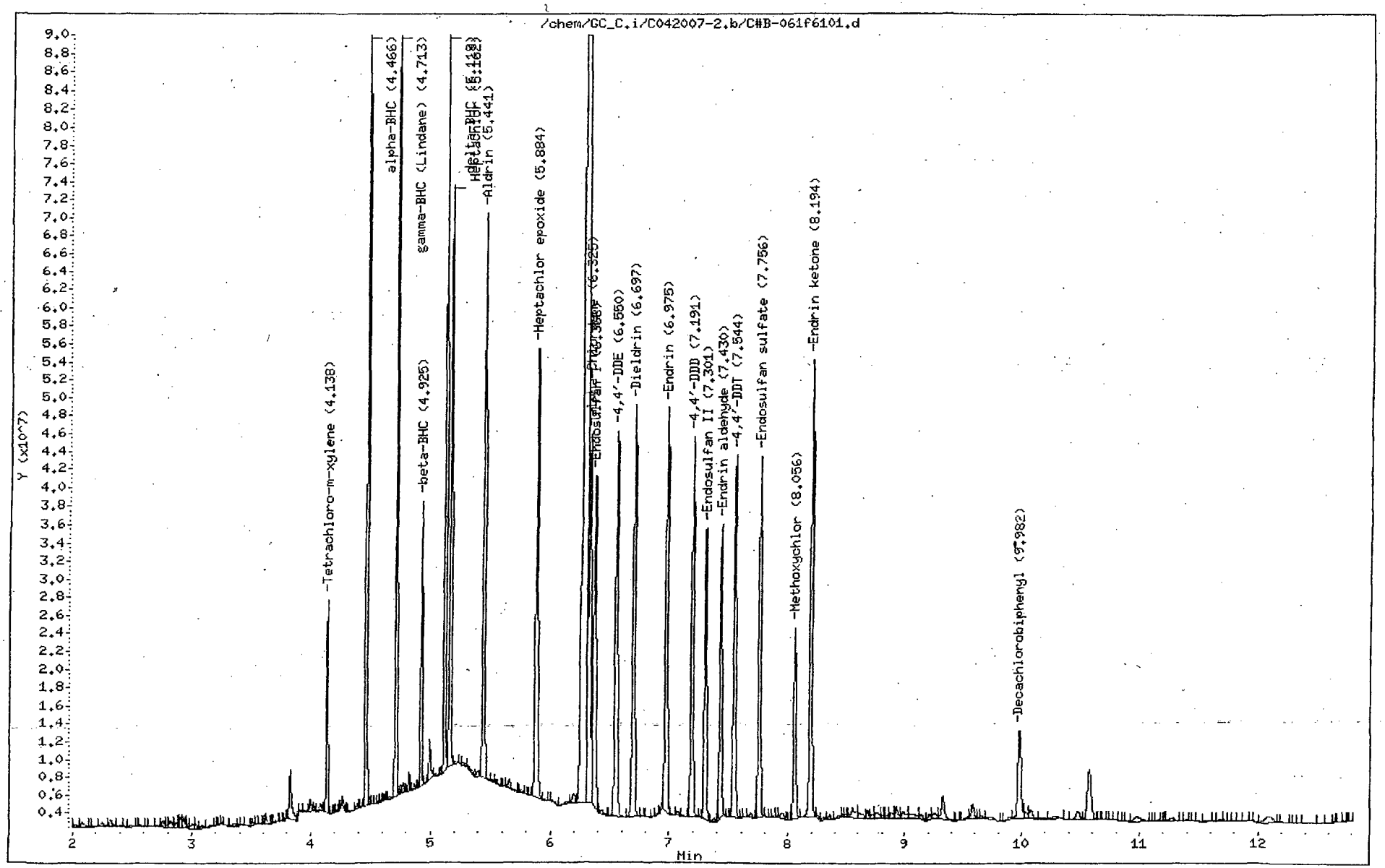
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.5146	5.7353	88.04	72-115
$ 35 Decachlorobiphenyl	6.5146	5.7467	88.21	78-124

Data File: /chem/GC_C.i/C042007-2.b/C#B-061f6101.d
Date : 21-APR-2007 07:20
Client ID: BSS-8-EPA
Sample Info: JTR4J1A6,264-5S

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-062f6201.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-062f6201.d
Lab Smp Id: JTR4J1A7 Client Smp ID: BSS-8-EPA
Inj Date : 21-APR-2007 07:36
Operator : Michael Inst ID: GC_C.i
Smp Info : JTR4J1A7,264-5D
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 62 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	30.80000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.622	3.621	0.001	20948890	17.8469	5.7944
3 Hexachlorobenzene	4.068	4.056	0.012	1128394	0.93275	0.30284(a)
4 alpha-BHC	4.149	4.149	0.000	76919967	43.0438	13.975
5 gamma-BHC (Lindane)	4.437	4.436	0.001	71244021	42.5182	13.805
7 beta-BHC	4.628	4.629	-0.001	28425744	40.7499	13.230
8 Heptachlor	4.691	4.691	0.000	63306491	48.9387	15.889
9 delta-BHC	4.822	4.823	-0.001	76683959	43.7100	14.192
10 Aldrin	4.909	4.909	0.000	58848467	39.4309	12.802
13 Heptachlor epoxide	5.341	5.341	0.000	68699546	52.1918	16.945
14 gamma-Chlordane	5.548	5.549	-0.001	63200936	43.6474	14.171
17 alpha-Chlordane	5.642	5.643	-0.001	60354657	42.9890	13.957
18 Endosulfan I	5.690	5.691	-0.001	56601847	44.1868	14.346
19 4,4'-DDE	5.867	5.868	-0.001	62034053	44.0672	14.308
20 Dieldrin	5.997	5.997	0.000	66379877	47.2222	15.332

CL 4/24/07

Data File: /chem/GC_C.i/C042007-1.b/C#A-062f6201.d
Report Date: 23-Apr-2007 09:00

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23 Endrin	6.382	6.382	0.000	66146946	51.3892	16.685
26 4,4'-DDD	6.587	6.589	-0.002	52370656	40.3534	13.102
27 Endosulfan II	6.733	6.734	-0.001	61104068	47.5756	15.447
28 4,4'-DDT	6.931	6.933	-0.002	53614506	69.9712	22.718(R)
29 Endrin aldehyde	7.021	7.022	-0.001	48335649	45.2063	14.677
30 Endosulfan sulfate	7.266	7.267	-0.001	57564922	48.5153	15.752
31 Methoxychlor	7.762	7.762	0.000	25705206	72.6378	23.584(R)
32 Endrin ketone	7.932	7.933	-0.001	65096110	48.6123	15.783
33 Mirex	Compound Not Detected.					
$ 34 Decachlorobiphenyl	9.172	9.175	-0.003	17939829	16.3664	5.3138

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: /chem/GC_C.i/C042007-1.b/C#A-062f6201.d
Report Date: 23-Apr-2007 09:00

STL Denver

RECOVERY REPORT

Client Name: EA Engineering, Scie12-APR-2007 00:00 Client SDG: I7D120264
Sample Matrix: SOLID Fraction: pest
Lab Smp Id: JTR4J1A7 Client Smp ID: BSS-8-EPA
Level: LOW Operator: Michael
Data Type: GC MULTI COMP SampleType: MSD
SpikeList File: 8081_SOIL.spk Quant Type: ESTD
Sublist File: 1-INDAB.sub
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m
Misc Info: Column 1 ICAL 03-22-06

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
4 alpha-BHC	16.234	13.975	86.09	62-110
5 gamma-BHC (Lindane	16.234	13.805	85.04	66-116
7 beta-BHC	16.234	13.230	81.50	63-114
9 delta-BHC	16.234	14.192	87.42	59-105
8 Heptachlor	16.234	15.889	97.88	71-117
10 Aldrin	16.234	12.802	78.86	72-112
13 Heptachlor epoxide	16.234	16.945	104.38	73-113
14 gamma-Chlordane	16.234	14.171	87.29	71-114
17 alpha-Chlordane	16.234	13.957	85.98	72-112
18 Endosulfan I	16.234	14.346	88.37	72-113
19 4,4'-DDE	16.234	14.308	88.13	74-117
20 Dieldrin	16.234	15.332	94.44	74-119
23 Endrin	16.234	16.685	102.78	71-114
26 4,4'-DDD	16.234	13.102	80.71	70-118
27 Endosulfan II	16.234	15.447	95.15	74-117
28 4,4'-DDT	16.234	22.718	139.94*	63-122
29 Endrin aldehyde	16.234	14.677	90.41	64-104
31 Methoxychlor	16.234	23.584	145.28*	66-117
30 Endosulfan sulfate	16.234	15.752	97.03	71-126
32 Endrin ketone	16.234	15.783	97.22	74-120

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.4935	5.7944	89.23	72-115
$ 34 Decachlorobiphenyl	6.4935	5.3138	81.83	78-124

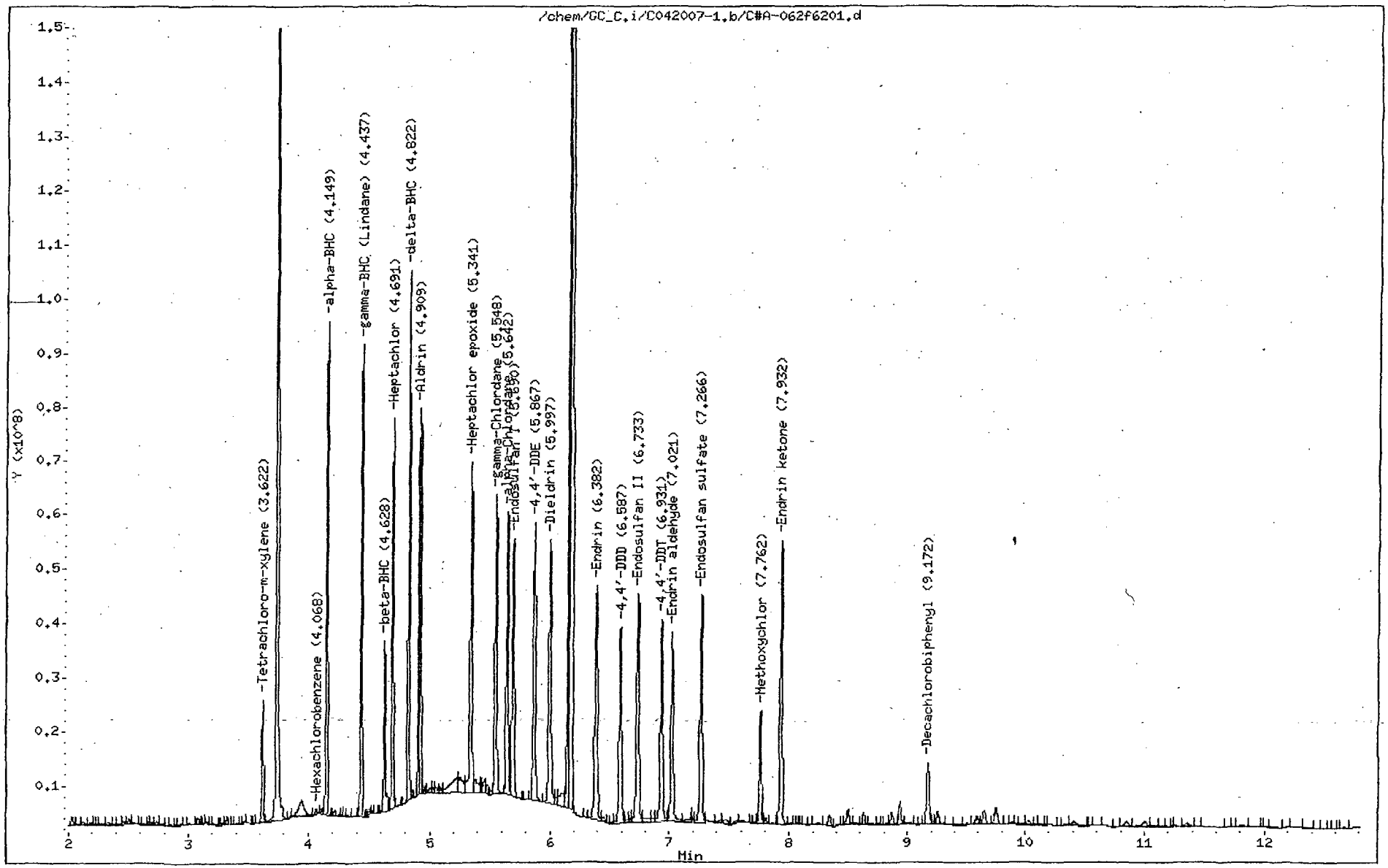
585

Data File: /chem/GC_C.i/C042007-1.b/C#A-062f6201.d
Date : 21-APR-2007 07:36
Client ID: BSS-8-EPA
Sample Info: JTR4J1A7,264-5D

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-062f6201.d
Report Date: 23-Apr-2007 09:08

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-062f6201.d
Lab Smp Id: JTR4J1A7 Client Smp ID: BSS-8-EPA
Inj Date : 21-APR-2007 07:36
Operator : Michael Inst ID: GC_C.i
Smp Info : JTR4J1A7,264-5D
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 62 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	30.80000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	4.137	4.137	0.000	21783953	18.1167	5.8820
3 alpha-BHC	4.466	4.466	0.000	86017372	45.4205	14.747
4 Hexachlorobenzene	Compound Not Detected.					
5 gamma-BHC (Lindane)	4.712	4.712	0.000	76717867	47.0747	15.284
6 beta-BHC	4.925	4.925	0.000	26119503	33.9610	11.026
8 delta-BHC	5.120	5.119	0.001	79244449	43.9801	14.279
9 Heptachlor	5.162	5.162	0.000	76145512	54.0737	17.556
12 Aldrin	5.442	5.442	0.000	70412180	44.4110	14.419
15 Heptachlor epoxide	5.886	5.885	0.001	64792882	44.6374	14.493
17 gamma-Chlordane	Compound Not Detected.					
18 alpha-Chlordane	6.325	6.326	-0.001	57059180	37.8874	12.301
19 Endosulfan I	6.368	6.368	0.000	57455435	41.9600	13.623
20 4,4'-DDE	6.552	6.551	0.001	65373160	42.9365	13.940
22 Dieldrin	6.699	6.698	0.001	66753579	43.9403	14.266

Data File: /chem/GC_C.i/C042007-2.b/C#B-062f6201.d
Report Date: 23-Apr-2007 09:08

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
24 Endrin	6.974	6.976	-0.002	65747950	49.6439	16.118
26 4,4'-DDD	7.192	7.194	-0.002	56079355	41.9574	13.622
27 Endosulfan II	7.302	7.302	0.000	42180711	31.5560	10.245(R)
29 Endrin aldehyde	7.430	7.432	-0.002	41573879	37.6067	12.210
30 4,4'-DDT	7.547	7.547	0.000	53871943	73.8608	23.981(R)
31 Endosulfan sulfate	7.757	7.757	0.000	53464261	46.0686	14.957
32 Methoxychlor	8.057	8.058	-0.001	27809550	76.8779	24.960(R)
33 Endrin ketone	8.196	8.196	0.000	64657319	49.1235	15.949
34 Mirex	Compound Not Detected.					
$ 35 Decachlorobiphenyl	9.987	9.987	0.000	18503516	16.9050	5.4886

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/GC_C.i/C042007-2.b/C#B-062f6201.d Page 3
Report Date: 23-Apr-2007 09:08

STL Denver

RECOVERY REPORT

Client Name: EA Engineering, Scie12-APR-2007 00:00 Client SDG: I7D120264
Sample Matrix: SOLID Fraction: pest
Lab Smp Id: JTR4J1A7 Client Smp ID: BSS-8-EPA
Level: LOW Operator: Michael
Data Type: GC MULTI COMP SampleType: MSD
SpikeList File: 8081_SOIL.spk Quant Type: ESTD
Sublist File: 1-INDAB.sub
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m
Misc Info: Column 2 ICAL 03-22-06

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
3 alpha-BHC	16.234	14.747	90.84	62-110
5 gamma-BHC (Lindane	16.234	15.284	94.15	66-116
6 beta-BHC	16.234	11.026	67.92	63-114
8 delta-BHC	16.234	14.279	87.96	59-105
9 Heptachlor	16.234	17.556	108.15	71-117
12 Aldrin	16.234	14.419	88.82	72-112
15 Heptachlor epoxide	16.234	14.493	89.27	73-113
17 gamma-Chlordane	16.234	0.0000	*	71-114
18 alpha-Chlordane	16.234	12.301	75.77	72-112
19 Endosulfan I	16.234	13.623	83.92	72-113
20 4,4'-DDE	16.234	13.940	85.87	74-117
22 Dieldrin	16.234	14.266	87.88	74-119
24 Endrin	16.234	16.118	99.29	71-114
26 4,4'-DDD	16.234	13.622	83.91	70-118
27 Endosulfan II	16.234	10.245	63.11*	74-117
30 4,4'-DDT	16.234	23.981	147.72*	63-122
29 Endrin aldehyde	16.234	12.210	75.21	64-104
32 Methoxychlor	16.234	24.960	153.76*	66-117
31 Endosulfan sulfate	16.234	14.957	92.14	71-126
33 Endrin ketone	16.234	15.949	98.25	74-120

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.4935	5.8820	90.58	72-115
$ 35 Decachlorobiphenyl	6.4935	5.4886	84.52	78-124

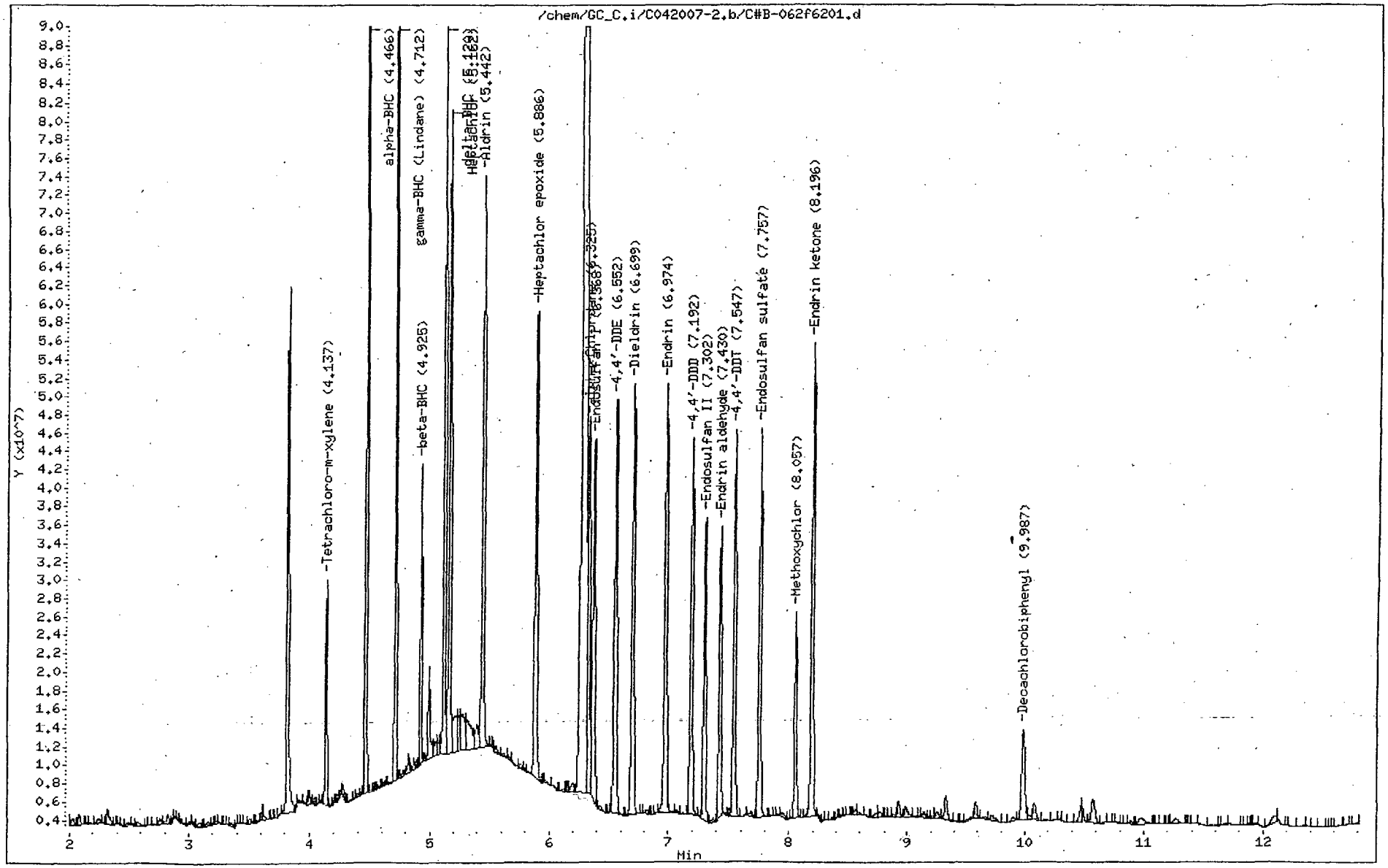
589

Data File: /chem/GC_C.i/C042007-2.b/C#B-062f6201.d
Date : 21-APR-2007 07:36
Client ID: BSS-8-EPA
Sample Info: JTR4J1A7,264-5D

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-063f6301.d
Report Date: 23-Apr-2007 09:00

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-063f6301.d
Lab Smp Id: JT1XD1AA
Client Smp ID: INTRA-LAB BLANK
Inj Date : 21-APR-2007 07:53
Operator : Michael
Inst ID: GC_C.i
Smp Info : JT1XD1AA,BLK
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:59 kellisom
Quant Type: ESTD
Cal Date : 03-APR-2007 22:35
Cal File: C#A-020f2001.d
Als bottle: 63
QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: 1-ALLCOMP.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	28.10000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.622	3.621	0.001	23112101	19.7520	7.0292
2 Diallate	Compound Not Detected.					
3 Hexachlorobenzene	Compound Not Detected.					
4 alpha-BHC	Compound Not Detected.					
5 gamma-BHC (Lindane)	Compound Not Detected.					
6 Technical Chlordane	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Heptachlor	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Aldrin	Compound Not Detected.					
11 chlorpyrifos	Compound Not Detected.					
12 Isodrin/Dicofol	Compound Not Detected.					
13 Heptachlor epoxide	Compound Not Detected.					
14 gamma-Chlordane	Compound Not Detected.					

CL 4/24/07

Data File: /chem/GC_C.i/C042007-1.b/C#A-063f6301.d
Report Date: 23-Apr-2007 09:00

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
15 2,4'-DDE	Compound Not Detected.					
16 Toxaphene	Compound Not Detected.					
17 alpha-Chlordane	Compound Not Detected.					
18 Endosulfan I	Compound Not Detected.					
19 4,4'-DDE	Compound Not Detected.					
20 Dieldrin	Compound Not Detected.					
21 2,4'-DDD	Compound Not Detected.					
22 Chlorobenzilate	Compound Not Detected.					
23 Endrin	Compound Not Detected.					
24 2,4'-DDT	Compound Not Detected.					
25 Kepone	Compound Not Detected.					
26 4,4'-DDD	Compound Not Detected.					
27 Endosulfan II	Compound Not Detected.					
28 4,4'-DDT	Compound Not Detected.					
29 Endrin aldehyde	Compound Not Detected.					
30 Endosulfan sulfate	Compound Not Detected.					
31 Methoxychlor	Compound Not Detected.					
32 Endrin ketone	Compound Not Detected.					
33 Mirex	Compound Not Detected.					
$ 34 Decachlorobiphenyl	9.174	9.175	-0.001	20745376	19.1014	6.7976
35 DBPP	Compound Not Detected.					

Data File: /chem/GC_C.i/C042007-1.b/C#A-063f6301.d
Report Date: 23-Apr-2007 09:00

STL Denver

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: JT1XD1AA
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: 8081_SOIL.spk
Sublist File: 1-ALLCOMP.sub
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m
Misc Info: Column 1 ICAL 03-22-06

Client SDG: D7D170000
Fraction: pest
Client Smp ID: INTRA-LAB BLANK
Operator: Michael
SampleType: BLANK
Quant Type: ESTD

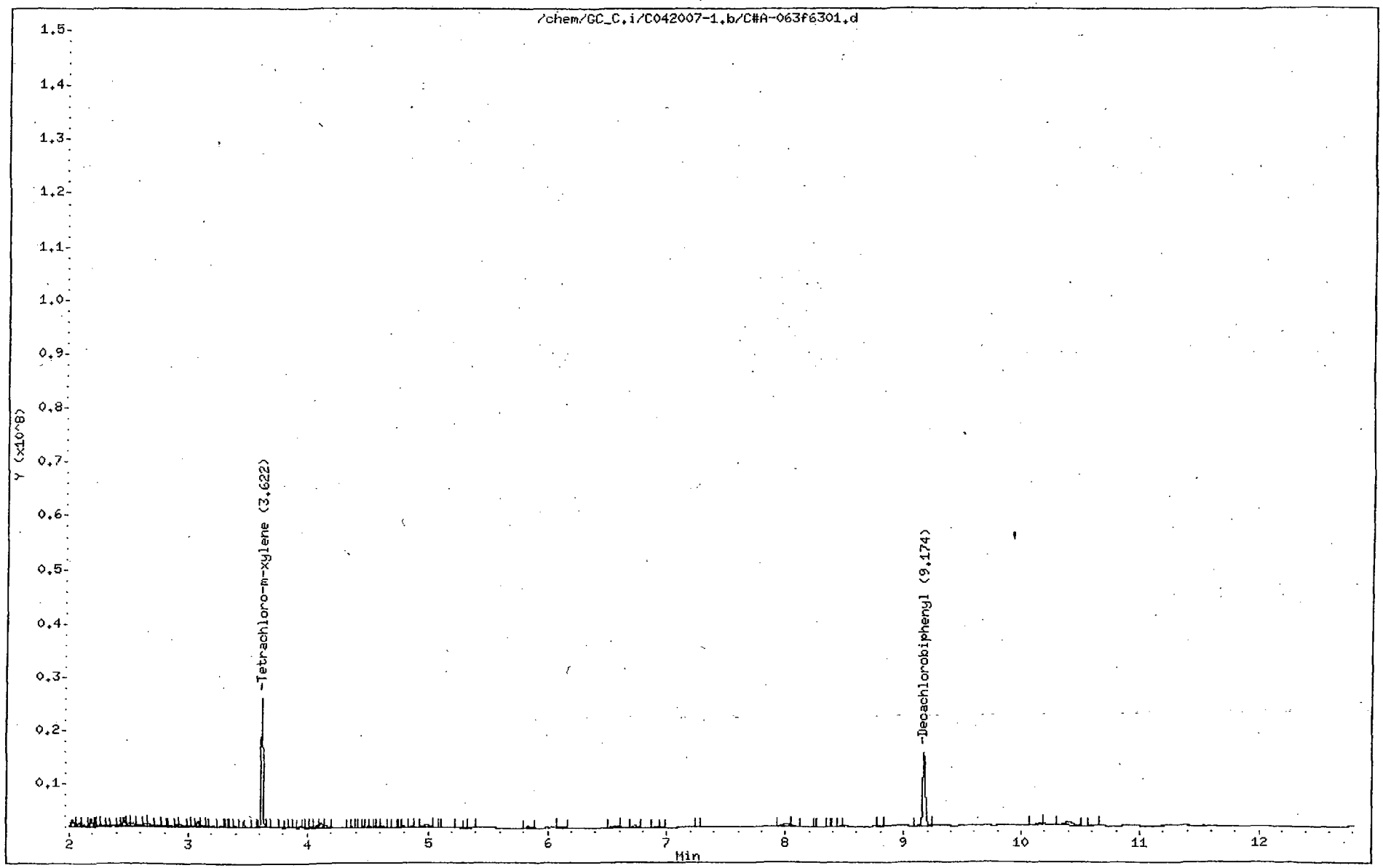
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	7.1174	7.0292	98.76	60-119
$ 34 Decachlorobiphenyl	7.1174	6.7976	95.51	50-151

Data File: /chem/GC_C.i/C042007-1.b/C#A-063f6301.d
Date : 21-APR-2007 07:53
Client ID: INTRA-LAB BLANK
Sample Info: JT1XD1AA,BLK

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-063f6301.d
Report Date: 23-Apr-2007 09:08

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-063f6301.d
Lab Smp Id: JT1XD1AA
Client Smp ID: INTRA-LAB BLANK
Inj Date : 21-APR-2007 07:53
Operator : Michael
Inst ID: GC_C.i
Smp Info : JT1XD1AA,BLK
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:07 kellisom
Quant Type: ESTD
Cal Date : 03-APR-2007 22:35
Cal File: C#B-020f2001.d
Als bottle: 63
QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: 1-ALLCOMP.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	28.10000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	4.139	4.137	0.002	24716381	20.6195	7.3379
2 Diallate	Compound Not Detected.					
3 alpha-BHC	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 gamma-BHC (Lindane)	Compound Not Detected.					
6 beta-BHC	Compound Not Detected.					
7 Technical Chlordane	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Heptachlor	Compound Not Detected.					
10 chlorpyrifos	Compound Not Detected.					
11 Toxaphene	Compound Not Detected.					
12 Aldrin	Compound Not Detected.					
13 Dicofol	Compound Not Detected.					
14 Isodrin	Compound Not Detected.					

Data File: /chem/GC_C.i/C042007-2.b/C#B-063f6301.d
Report Date: 23-Apr-2007 09:08

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 alpha-Chlordane	Compound Not Detected.					
19 Endosulfan I	Compound Not Detected.					
20 4,4'-DDE	Compound Not Detected.					
21 2,4'-DDD	Compound Not Detected.					
22 Dieldrin	Compound Not Detected.					
23 Chlorobenzilate	Compound Not Detected.					
24 Endrin	Compound Not Detected.					
25 2,4'-DDT	Compound Not Detected.					
26 4,4'-DDD	Compound Not Detected.					
27 Endosulfan II	Compound Not Detected.					
28 Kepone	Compound Not Detected.					
29 Endrin aldehyde	Compound Not Detected.					
30 4,4'-DDT	Compound Not Detected.					
31 Endosulfan sulfate	Compound Not Detected.					
32 Methoxychlor	Compound Not Detected.					
33 Endrin ketone	Compound Not Detected.					
34 Mirex	Compound Not Detected.					
$ 35 Decachlorobiphenyl	9.990	9.987	0.003	22818443	21.1660	7.5324
36 DBPP	Compound Not Detected.					

Data File: /chem/GC_C.i/C042007-2.b/C#B-063f6301.d
Report Date: 23-Apr-2007 09:08

STL Denver

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: JT1XD1AA
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: 8081_SOIL.spk
Sublist File: 1-ALLCOMP.sub
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m
Misc Info: Column 2 ICAL 03-22-06

Client SDG: D7D170000
Fraction: pest
Client Smp ID: INTRA-LAB BLANK
Operator: Michael
SampleType: BLANK
Quant Type: ESTD

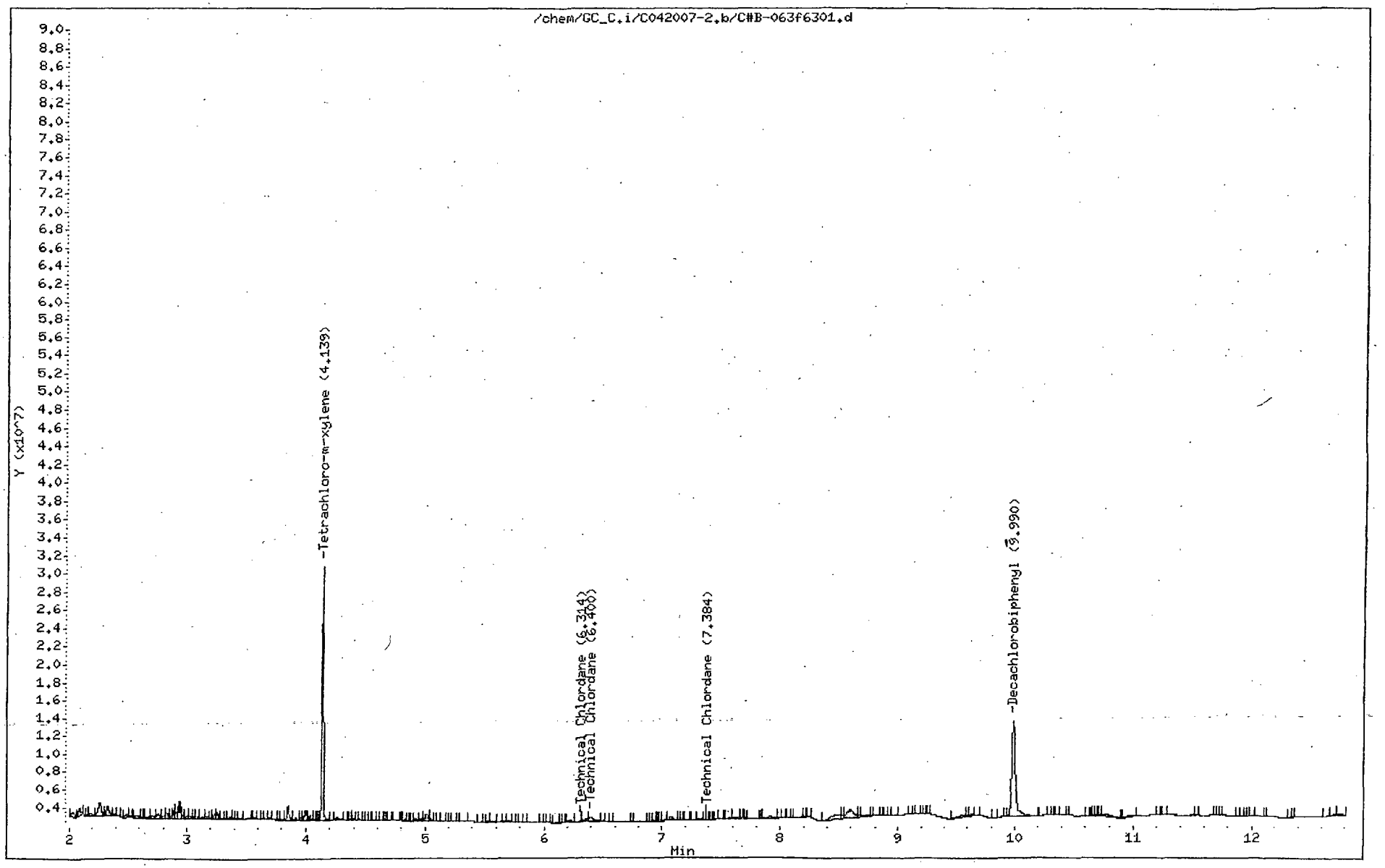
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	7.1174	7.3379	103.10	60-119
$ 35 Decachlorobiphenyl	7.1174	7.5324	105.83	50-151

Data File: /chem/GC_C.i/C042007-2.b/C#B-063f6301.d
Date : 21-APR-2007 07:53
Client ID: INTRA-LAB BLANK
Sample Info: JT1XD1AA,BLK

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-1.b/C#A-016f1601.d
Report Date: 23-Apr-2007 08:55

STL Denver

Data file : /chem/GC_C.i/C042007-1.b/C#A-016f1601.d
Lab Smp Id: JT1XD1AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 20-APR-2007 19:10
Operator : Michael Inst ID: GC_C.i
Smp Info : JT1XD1AC,LCS
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-1.b/C_8081_1.m
Meth Date : 23-Apr-2007 08:54 kellisom Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 16 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	29.50000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.622	3.621	0.001	22105001	18.8651	6.3949
3 Hexachlorobenzene	Compound Not Detected.					
4 alpha-BHC	4.150	4.149	0.001	80463807	45.0269	15.263
5 gamma-BHC (Lindane)	4.438	4.436	0.002	74002232	44.1643	14.971
7 beta-BHC	4.630	4.629	0.001	28513404	40.8779	13.857
8 Heptachlor	4.692	4.691	0.001	60278823	46.5982	15.796
9 delta-BHC	4.824	4.823	0.001	79617132	45.3819	15.384
10 Aldrin	4.910	4.909	0.001	66340734	44.4511	15.068
13 Heptachlor epoxide	5.343	5.341	0.002	60762133	46.0830	15.621
14 gamma-Chlordane	5.550	5.549	0.001	65193995	45.0238	15.262
17 alpha-Chlordane	5.644	5.643	0.001	63057937	44.9145	15.225
18 Endosulfan I	5.693	5.691	0.002	58578753	45.7526	15.509
19 4,4'-DDE	5.870	5.868	0.002	65689860	46.7174	15.836
20 Dieldrin	5.999	5.997	0.002	64391260	45.7919	15.523

CL 4/24/07

Data File: /chem/GC_C.i/C042007-1.b/C#A-016f1601.d
Report Date: 23-Apr-2007 08:55

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23 Endrin	6.385	6.382	0.003	60305258	46.8509	15.882
26 4,4'-DDD	6.591	6.589	0.002	57265341	44.1987	14.983
27 Endosulfan II	6.736	6.734	0.002	59098234	45.9295	15.569
28 4,4'-DDT	6.935	6.933	0.002	37686261	50.5942	17.150
29 Endrin aldehyde	7.024	7.022	0.002	41691217	38.7995	13.152
30 Endosulfan sulfate	7.268	7.267	0.001	55480328	46.6640	15.818
31 Methoxychlor	7.764	7.762	0.002	18629351	52.6429	17.845
32 Endrin ketone	7.933	7.933	0.000	62686542	46.7057	15.832
33 Mirex	Compound Not Detected.					
$ 34 Decachlorobiphenyl	9.174	9.175	-0.001	20665284	19.0233	6.4486

Data File: /chem/GC_C.i/C042007-1.b/C#A-016f1601.d
Report Date: 23-Apr-2007 08:55

STL Denver

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: JT1XD1AC
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: 8081_SOIL.spk
Sublist File: 1-INDAB.sub
Method File: /chem/GC_C.i/C042007-1.b/C_8081_1.m
Misc Info: Column 1 ICAL 03-22-06

Client SDG: D7D170000
Fraction: pest
Client Smp ID: INTRA-LAB CHECK
Operator: Michael
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
4 alpha-BHC	16.949	15.263	90.05	62-110
5 gamma-BHC (Lindane	16.949	14.971	88.33	66-116
7 beta-BHC	16.949	13.857	81.76	63-114
9 delta-BHC	16.949	15.384	90.76	59-105
8 Heptachlor	16.949	15.796	93.20	71-117
10 Aldrin	16.949	15.068	88.90	72-112
13 Heptachlor epoxide	16.949	15.621	92.17	73-113
14 gamma-Chlordane	16.949	15.262	90.05	71-114
17 alpha-Chlordane	16.949	15.225	89.83	72-112
18 Endosulfan I	16.949	15.509	91.51	72-113
19 4,4'-DDE	16.949	15.836	93.43	74-117
20 Dieldrin	16.949	15.523	91.58	74-119
23 Endrin	16.949	15.882	93.70	71-114
26 4,4'-DDD	16.949	14.983	88.40	70-118
27 Endosulfan II	16.949	15.569	91.86	74-117
28 4,4'-DDT	16.949	17.150	101.19	63-122
29 Endrin aldehyde	16.949	13.152	77.60	64-104
31 Methoxychlor	16.949	17.845	105.29	66-117
30 Endosulfan sulfate	16.949	15.818	93.33	71-126
32 Endrin ketone	16.949	15.832	93.41	74-120

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.7797	6.3949	94.33	72-115
$ 34 Decachlorobiphenyl	6.7797	6.4486	95.12	78-124

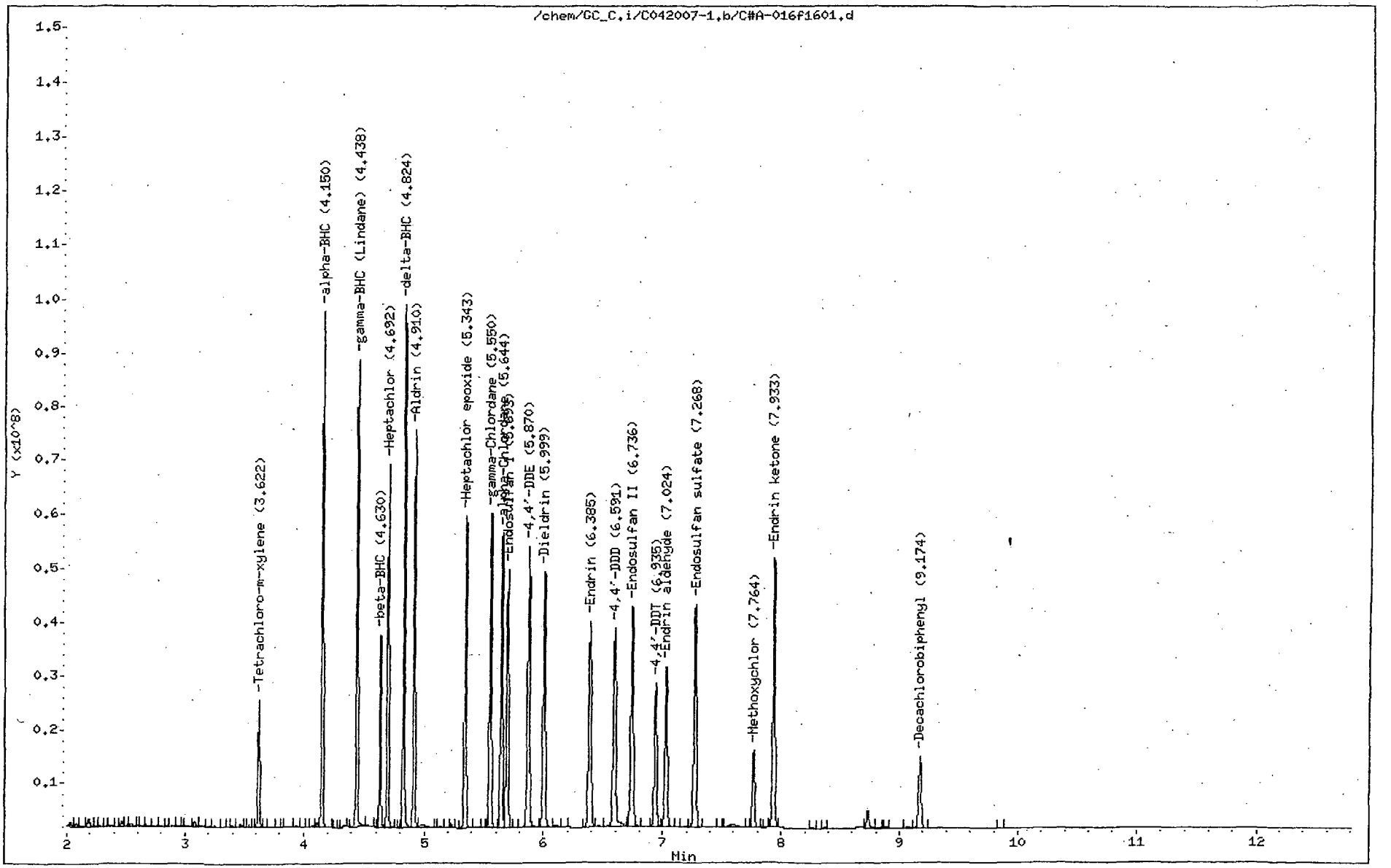
601

Data File: /chem/GC_C.i/C042007-1.b/C#A-016f1601.d
Date : 20-APR-2007 19:10
Client ID: INTRA-LAB CHECK
Sample Info: JT1XD1AC,LCS

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C042007-2.b/C#B-016f1601.d
Report Date: 23-Apr-2007 09:01

STL Denver

Data file : /chem/GC_C.i/C042007-2.b/C#B-016f1601.d
Lab Smp Id: JT1XD1AC
Client Smp ID: INTRA-LAB CHECK
Inj Date : 20-APR-2007 19:10
Operator : Michael
Inst ID: GC_C.i
Smp Info : JT1XD1AC,LCS
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C042007-2.b/C_8081_2.m
Meth Date : 23-Apr-2007 09:00 kellisom
Quant Type: ESTD
Cal Date : 03-APR-2007 22:35
Cal File: C#B-020f2001.d
Als bottle: 16
QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.00000	Final Volume (uL)
Ws	29.50000	Weight of sample extracted (g)

Cpnd Variable — Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	4.139	4.137	0.002	23051689	19.1987	6.5080
3 alpha-BHC	4.467	4.466	0.001	84988340	44.8771	15.212
4 Hexachlorobenzene	Compound Not Detected.					
5 gamma-BHC (Lindane)	4.714	4.712	0.002	71177840	43.6753	14.805
6 beta-BHC	4.926	4.925	0.001	30560779	39.8497	13.508
8 delta-BHC	5.121	5.119	0.002	82508372	45.7916	15.522
9 Heptachlor	5.165	5.162	0.003	63871232	45.3573	15.375
12 Aldrin	5.444	5.442	0.002	69609611	43.9048	14.883
15 Heptachlor epoxide	5.888	5.885	0.003	66200556	45.6207	15.465
17 gamma-Chlordane	6.267	6.266	0.001	69886962	44.8872	15.216
18 alpha-Chlordane	6.328	6.326	0.002	67340777	44.7144	15.157
19 Endosulfan I	6.370	6.368	0.002	62430963	45.8457	15.541
20 4,4'-DDE	6.554	6.551	0.003	68607736	45.0610	15.275
22 Dieldrin	6.701	6.698	0.003	68809976	45.2939	15.354

Data File: /chem/GC_C.i/C042007-2.b/C#B-016f1601.d
Report Date: 23-Apr-2007 09:01

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
24 Endrin	6.978	6.976	0.002	62234213	46.9908	15.929
26 4,4'-DDD	7.195	7.194	0.001	60055122	44.9320	15.231
27 Endosulfan II	7.304	7.302	0.002	59867516	44.7878	15.182
29 Endrin aldehyde	7.433	7.432	0.001	42125493	38.1156	12.920
30 4,4'-DDT	7.549	7.547	0.002	30407596	44.2860	15.012
31 Endosulfan sulfate	7.758	7.757	0.001	53793203	46.3561	15.714
32 Methoxychlor	8.058	8.058	0.000	16039364	44.6315	15.129
33 Endrin ketone	8.197	8.196	0.001	57799654	43.9133	14.886
34 Mirex	Compound Not Detected.					
$ 35 Decachlorobiphenyl	9.988	9.987	0.001	20125963	18.5071	6.2736

Data File: /chem/GC_C.i/C042007-2.b/C#B-016f1601.d
Report Date: 23-Apr-2007 09:01

STL Denver

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: JT1XD1AC
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: 8081_SOIL.spk
Sublist File: 1-INDAB.sub
Method File: /chem/GC_C.i/C042007-2.b/C_8081_2.m
Misc Info: Column 2 ICAL 03-22-06

Client SDG: D7D170000
Fraction: pest
Client Smp ID: INTRA-LAB CHECK
Operator: Michael
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
3 alpha-BHC	16.949	15.212	89.75	62-110
5 gamma-BHC (Lindane	16.949	14.805	87.35	66-116
6 beta-BHC	16.949	13.508	79.70	63-114
8 delta-BHC	16.949	15.522	91.58	59-105
9 Heptachlor	16.949	15.375	90.71	71-117
12 Aldrin	16.949	14.883	87.81	72-112
15 Heptachlor epoxide	16.949	15.465	91.24	73-113
17 gamma-Chlordane	16.949	15.216	89.77	71-114
18 alpha-Chlordane	16.949	15.157	89.43	72-112
19 Endosulfan I	16.949	15.541	91.69	72-113
20 4,4'-DDE	16.949	15.275	90.12	74-117
22 Dieldrin	16.949	15.354	90.59	74-119
24 Endrin	16.949	15.929	93.98	71-114
26 4,4'-DDD	16.949	15.231	89.86	70-118
27 Endosulfan II	16.949	15.182	89.58	74-117
30 4,4'-DDT	16.949	15.012	88.57	63-122
29 Endrin aldehyde	16.949	12.920	76.23	64-104
32 Methoxychlor	16.949	15.129	89.26	66-117
31 Endosulfan sulfate	16.949	15.714	92.71	71-126
33 Endrin ketone	16.949	14.886	87.83	74-120

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 Tetrachloro-m-xyle	6.7797	6.5080	95.99	72-115
$ 35 Decachlorobiphenyl	6.7797	6.2736	92.54	78-124

605

Data File: /chem/GC_C.i/C042007-2.b/C#B-016f1601.d

Date : 20-APR-2007 19:10

Client ID: INTRA-LAB CHECK

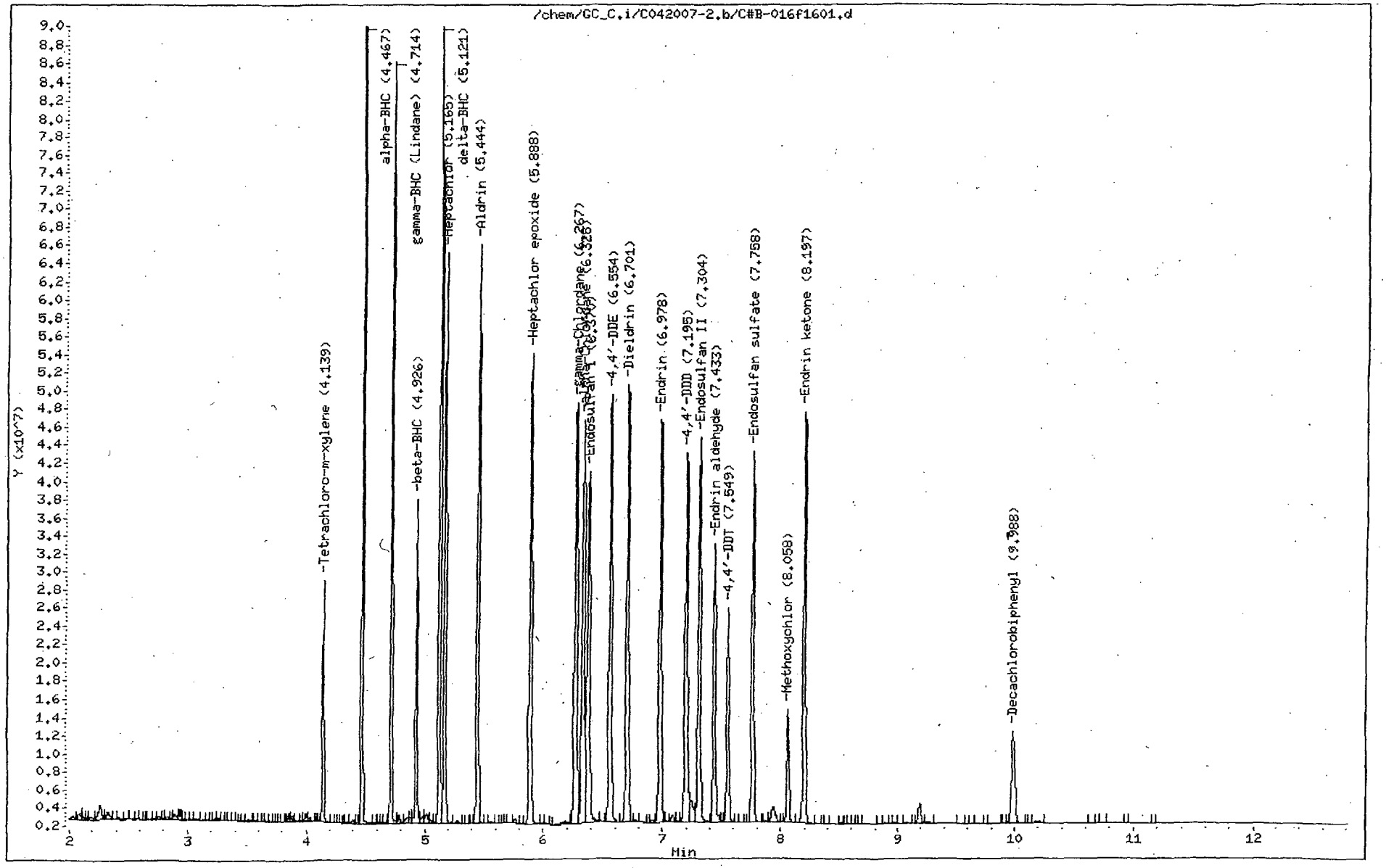
Sample Info: JT1XD1AC,LCS

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



GC SEMIVOLATILE
INITIAL CALIBRATION DATA

STL

GC and HPLC Data Review Checklist

STL Denver

Batch Number: _____

✓608	✓8081	8082	Other Pest/PCB _____	Analysis:	601	602	8021	BTEX
8151	8141	TPH/DRO	Other SV _____		TPH/GRO		Other Volatile GC _____	
8310	8330	Other HPLC _____		Preparation:	5030	5035		

Calibration: 04/3/07

Instrument ID: C-1,2

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. Are ICAL date and instrument ID verified?	✓			✓	
2. Is there a sufficient number of calibration points used?	✓			✓	
3. Are reasons for removal of points documented?			✓	N/A	
4. Is linearity acceptable, 8000 Series: linear least-squares regression with r ≥ 0.990, (DOD projects require r ≥ 0.995) quadratic fit COD r^2> 0.990, or average response factors with RSD ≤ 20%? 600 Series: < 10% RSD or linear regression	✓			✓	Except for Kepone & DBPP!
5. Are the correct RT windows applied to the ICAL integration?	✓			✓	
6. Did the standards pass the resolution check criteria (*CLP only*)?			✓	N/A	
7. Are DDT & Endrin breakdown < 15%?	✓			✓	
8. Is each manual integration completely documented and appropriate?	✓			✓	
9. Is traceability of standards properly documented?	✓			✓	
10. Was second-source ICV performed, & was recovery 85-115%	✓			✓	Except Dicofol

1st Level Reviewer: Carrie Lahr Date: 4/6/07

2nd Level Reviewer: Michael Sullivan Date: 4/6/07

L:\QA\Edit\FORMS\Data Review\ GC ICAL & Samples v 6-14-06

Sequence: C:\HPCHEM\1\SEQUENCE\C040307.S

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	PRIMER				
2	Vial 2	EVAL B				
3	Vial 3	HEXANE				
4	Vial 4	AP9 L6 GSV000307				
5	Vial 5	AP9 L5 GSV000407				
6	Vial 6	AP9 L4 GSV000507				
7	Vial 7	AP9 L3 GSV000607				
8	Vial 8	AP9 L2 GSV000707				
9	Vial 9	AP9 L1 GSV000807				
10	Vial 10	AP9 SS GSV104806				
11	Vial 11	AB L6 GSV019507				
12	Vial 12	AB L5 GSV019607				
13	Vial 13	AB L4 GSV019707				
14	Vial 14	AB L3 GSV019807				
15	Vial 15	AB L2 GSV019907				
16	Vial 16	AB L1 GSV020007				
17	Vial 17	AB SS GSV0202 07				
18	Vial 18	TOX L1 GSV119006				
19	Vial 19	TOX SS GSV023807				
20	Vial 20	CHL L1 GSV024707				
21	Vial 21	JR7HK1AA,LCS				~~20~~
22	Vial 22	JR7HK1AD,LCSD				~~20~~
23	Vial 23	JRW9R1AD,298-1				~~20~~
24	Vial 24	JRW9R1AW,298-1MS				~~20~~
25	Vial 25	JRW9R1AX,298-1SD				~~20~~
26	Vial 26	JRW971AD,298-2				~~20~~
27	Vial 27	JR18T1AL,BLK				~~20~~
28	Vial 28	AP9 L4 GSV000507				
29	Vial 29	AB L4 GSV084406				
30	Vial 30	TOX L1 GSV119006				
31	Vial 99	HEXANE				
32	Vial 100	HEXANE				

Sequence Table (Back Injector):

No entries - empty table!

Report Date : 06-Apr-2007 14:48

STL Denver

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Cal Date : 06-Apr-2007 14:48 lahrc

Calibration File Names:
Level 1: /chem/GC_C.i/C040307-1.b/C#A-020f2001.d
Level 2: /chem/GC_C.i/C040307-1.b/C#A-015f1501.d
Level 3: /chem/GC_C.i/C040307-1.b/C#A-014f1401.d
Level 4: /chem/GC_C.i/C040307-1.b/C#A-020f2001.d
Level 5: /chem/GC_C.i/C040307-1.b/C#A-012f1201.d
Level 6: /chem/GC_C.i/C040307-1.b/C#A-011f1101.d

Compound	5 Level 1	10 Level 2	25 Level 3	50 Level 4	75 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
2 Diallate	19906082	36922410	87277164	122268708	171204363	342149781	WLINR	-88.42914	33851		0.99996
3 Hexachlorobenzene	1108512	1315636	1246855	1207733	1201213	1178565	AVRG		1209752		5.71348
4 alpha-BHC	1828441	1838914	1798270	1764061	1762285	1730128	AVRG		1787016		2.36236
5 gamma-BHC (Lindane)	1750276	1727889	1692254	1636128	1648246	1598884	AVRG		1675613		3.45726
6 Technical Chlordane (1)	+++++	+++++	+++++	10456139	+++++	+++++	LINR	0.000e+00	10456		1.00000
(2)	+++++	+++++	+++++	29357372	+++++	+++++	LINR	0.000e+00	29357		1.00000
(3)	+++++	+++++	+++++	25433333	+++++	+++++	LINR	0.000e+00	25433		1.00000
(4)	+++++	+++++	+++++	6255204	+++++	+++++	LINR	0.000e+00	6255		1.00000
7 beta-BHC	3216814	7576382	17948067	34370927	51923341	67121703	WLINR	-0.74983	684962		0.99932
8 Heptachlor	1368992	1337184	1296700	1255967	1262218	1240466	AVRG		1293588		3.91400
9 delta-BHC	1860434	1826047	1766837	1704708	1705607	1662648	AVRG		1754380		4.40046
10 Aldrin	1598469	1563427	1522907	1444932	1432535	1392396	AVRG		1492444		5.44872
11 Chlorpyrifos	17412107	31944417	73319099	99982961	138947224	268761774	WLINR	-7.33537	544856		0.99929
12 Isodrin/Dicofol	39720826	73220600	168579312	225938645	312630134	559197062	QUAD	-3.42223	7.047e-07	3.493e-16	0.99998
13 Heptachlor epoxide	5979199	14487568	34062540	65831267	96263679	126733212	WLINR	-0.68080	1299341		0.99871
14 gamma-Chlordane	1533544	1499518	1446796	1420412	1401553	1386108	AVRG		1447988		3.99390

* All WLINR curve fits are weighted 1/AMT², except for Endrin aldehyde, it is 1/AMT.

STL Denver

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Cal Date : 06-Apr-2007 14:16 lahrc

Compound	5 Level 1	10 Level 2	25 Level 3	50 Level 4	75 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
15 2,4'-DDE	5535648	10476550	24314103	33571221	46032007	86490889	QUAD	-0.80164	1.019e-06	1.696e-15	0.99997	
16 Toxaphene (1)	+++++	+++++	+++++	3767149	+++++	+++++	LINR	0.000e+00	18836		1.00000	
(2)	+++++	+++++	+++++	3255957	+++++	+++++	LINR	0.000e+00	16280		1.00000	
(3)	+++++	+++++	+++++	7853021	+++++	+++++	LINR	0.000e+00	39265		1.00000	
(4)	+++++	+++++	+++++	4587622	+++++	+++++	LINR	0.000e+00	22938		1.00000	
(5)	+++++	+++++	+++++	5072398	+++++	+++++	LINR	0.000e+00	25362		1.00000	
17 alpha-Chlordane	1502666	1459070	1402159	1371823	1353737	1334282	AVRG		1403956		4.63726	
18 Endosulfan I	5772180	13938281	33323424	63932477	93698362	122438918	WLINR	-0.64428	1262558		0.99871	
19 4,4'-DDE	6655408	15669558	36683573	69774650	102659489	134797805	WLINR	-0.90397	1379419		0.99866	
20 Dieldrin	6190757	15150863	36585494	69730473	103154517	135463271	WLINR	-0.52201	1390324		0.99884	
21 2,4'-DDD	4801536	9127047	21326829	30092252	40852880	76587832	WLINR	-1.04711	806245		0.99787	
22 Chlorobenzilate	5897992	10270316	22128492	30549721	40981083	76814550	WLINR	-25.75306	79096		0.99780	
23 Endrin	1318902	1294336	1329616	1267017	1243572	1269609	AVRG		1287175		2.57085	
24 2,4'-DDT	847773	808557	794527	826730	785899	790204	AVRG		808948		2.98443	
25 Kepone	29256729	53153498	112326102	113585559	215008547	415885171	LINR	-4.56916	412404		0.98718	<-
26 4,4'-DDD	5978877	14421197	33897568	63477375	94062817	124832758	WLINR	-0.78935	1272901		0.99820	
27 Endosulfan II	6277633	14573297	33869444	63312477	94310684	123077230	QUAD	-1.18090	7.744e-07	3.847e-16	0.99989	
28 4,4'-DDT	2615811	6889669	17845388	37069623	58134355	80227959	QUAD	0.38137	1.414e-06	-2.161e-15	0.99998	
29 Endrin aldehyde	5187069	12513473	28473806	53732563	79890944	102498995	WLINR	-1.40036	1037997		0.99888	
30 Endosulfan sulfate	5547128	13238451	30827837	58676007	87278334	113287446	QUAD	-0.76705	8.230e-07	5.757e-16	0.99992	
31 Methoxychlor	348831	343984	350363	350707	357593	371813	AVRG		353882		2.77233	
32 Endrin ketone	6304644	15070639	35045757	66499453	97788827	127522720	QUAD	-0.86800	7.277e-07	4.973e-16	0.99997	
33 Mirex	4525482	10303065	23837077	45277968	66103269	86826585	WLINR	-1.18033	886813		0.99867	
35 DBPP	83524	771027	15349764	36066300	131370668	564578109	QUAD	662	0.00002	-1.812e-14	0.96288	<-

STL Denver

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Cal Date : 06-Apr-2007 14:16 lahrc

Compound	5 Level 1	10 Level 2	25 Level 3	50 Level 4	75 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 1 Tetrachloro-m-xylene	5156607	12427613	29765478	56976603	85019328	111029928	WLINR	-0.60248	1135479		0.99915
$ 34 Decachlorobiphenyl	5163612	11971587	27304099	51889013	76920830	100465891	WLINR	-1.12242	1025788		0.99850

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Report Date: 06-Apr-2007 14:12

Calibration History

Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Start Cal Date: 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
03-APR-2007 22:35	4-CHLORDANE	/chem/GC_C.i/C040307-1.b/C#A-020f2001.d
03-APR-2007 22:03	3-TOXAPHENE	/chem/GC_C.i/C040307-1.b/C#A-018f1801.d
03-APR-2007 21:31	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-016f1601.d
03-APR-2007 19:38	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-009f0901.d
Cal Level: 2 , Cal Amount: 10.00000		
03-APR-2007 21:15	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-015f1501.d
03-APR-2007 19:22	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-008f0801.d
Cal Level: 3 , Cal Amount: 25.00000		
03-APR-2007 20:58	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-014f1401.d
03-APR-2007 19:05	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-007f0701.d
Cal Level: 4 , Cal Amount: 50.00000		
03-APR-2007 22:03	3-TOXAPHENE	/chem/GC_C.i/C040307-1.b/C#A-018f1801.d
03-APR-2007 20:42	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-013f1301.d
03-APR-2007 18:49	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-006f0601.d
Cal Level: 5 , Cal Amount: 75.00000		
03-APR-2007 20:26	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-012f1201.d
03-APR-2007 18:33	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-005f0501.d
Cal Level: 6 , Cal Amount: 100.00000		
03-APR-2007 20:10	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-011f1101.d
03-APR-2007 18:17	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-004f0401.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 21:47	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-017f1701.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 19:54	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-010f1001.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 22:19	3-TOXAPHENE	/chem/GC_C.i/C040307-1.b/C#A-019f1901.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 20:58	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-014f1401.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 19:05	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-007f0701.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 17:28	EVALB	/chem/GC_C.i/C040307-1.b/C#A-002f0201.d
Ccal Level: 4 , Ccal Amount: 50.000		
03-APR-2007 20:42	1-INDAB	/chem/GC_C.i/C040307-1.b/C#A-013f1301.d
Ccal Level: 4 , Ccal Amount: 50.000		
03-APR-2007 18:49	2-AP9	/chem/GC_C.i/C040307-1.b/C#A-006f0601.d

Data File: /chem/GC_C.i/C040307-1.b/C#A-002f0201.d
Report Date: 04/06/2007

EVALB Degradation Report

Instrument ID: GC_C.i Injection Date: 03-APR-2007 17:28
Lab File ID: C#A-002f0201.d Lab Sample ID: EVAL B
Analysis Type: NONE Method File: /chem/GC_C.i/C040307-1.b/C_8081_1.m

4,4'-DDT Degradation

RT	Area	Compound
6.9287	37010749	4,4'-DDT
	0	4,4'-DDE
6.5854	1346957	4,4'-DDD

Percent Degradation of 4,4'-DDT: 3.51

Endrin Degradation

RT	Area	Compound
6.3770	35553597	Endrin
7.0170	486589	Endrin aldehyde
7.9279	1339236	Endrin ketone

Percent Degradation of Endrin: 4.88

Data File: /chem/GC_C.i/C040307-1.b/C#A-017f1701.d
Report Date: 04/06/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#A-017f1701.d
Analysis Type: NONE

Injection Date: 03-APR-2007 21:47
Lab Sample ID: AB SS GSV019707
Method File: /chem/GC_C.i/C040307-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
22 Tetrachloro-m-xylene	25.0000	26.7464	7.0	15.0
127 Hexachlorobenzene	25.0000	25.8255	3.3	15.0
1 alpha-BHC	25.0000	24.8082	0.8	15.0
5 gamma-BHC (Lindane)	25.0000	25.0572	0.2	15.0
2 beta-BHC	25.0000	25.2929	1.2	15.0
17 Heptachlor	25.0000	24.8057	0.8	15.0
3 delta-BHC	25.0000	23.6971	5.2	15.0
10 Aldrin	25.0000	24.8026	0.8	15.0
18 Heptachlor epoxide	25.0000	25.3647	1.5	15.0
6 gamma-Chlordane	25.0000	24.6866	1.3	15.0
100 alpha-Chlordane	25.0000	24.5511	1.8	15.0
12 Endosulfan I	25.0000	25.1913	0.8	15.0
8 4,4'-DDE	25.0000	24.9241	0.3	15.0
57 Dieldrin	25.0000	25.5585	2.2	15.0
15 Endrin	25.0000	23.8129	4.7	15.0
7 4,4'-DDD	25.0000	25.1341	0.5	15.0
101 Endosulfan II	25.0000	24.6595	1.4	15.0
102 4,4'-DDT	25.0000	23.6792	5.3	15.0
16 Endrin aldehyde	25.0000	25.0164	0.1	15.0
14 Endosulfan sulfate	25.0000	24.9842	0.1	15.0
103 Methoxychlor	25.0000	22.8920	8.4	15.0
17 Endrin ketone	25.0000	23.9236	4.3	15.0
106 Mirex	25.0000	25.6747	2.7	15.0
21 Decachlorobiphenyl	25.0000	25.8388	3.4	15.0

Average %D = 2.41

Data File: /chem/GC_C.i/C040307-1.b/C#A-010f1001.d
Report Date: 04/06/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 03-APR-2007 19:54
Lab File ID: C#A-010f1001.d
Lab Sample ID: AP9 SS GSV000507
Analysis Type: NONE
Method File: /chem/GC_C.i/C040307-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
117 Diallate	2500.0000	2575.3787	3.0	15.0	
118 chlorpyrifos	125.0000	132.1700	5.7	15.0	
119 Isodrin/Dicofol	125.0000	133.2786	6.6	15.0	
121 2,4'-DDE	25.0000	25.1655	0.7	15.0	
122 2,4'-DDD	25.0000	27.4956	10.0	15.0	
125 Chlorobenzilate	250.0000	275.3094	10.1	15.0	
123 2,4'-DDT	25.0000	26.1105	4.4	15.0	
124 Kepone	250.0000	433.1720	73.3	53.0	<-
126 DBPP	1250.0000	1048.2343	16.1	15.0	<-

Average %D = 14.4

Data File: /chem/GC_C.i/C040307-2.b/C#B-019f1901.d
Report Date: 04/06/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 03-APR-2007 22:19
Lab File ID: C#B-019f1901.d
Lab Sample ID: TOX SS GSV119006
Analysis Type: NONE
Method File: /chem/GC_C.i/C040307-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
108 Toxaphene	200.0000	203.2670	1.6	15.0

Average %D = 1.63

STL Denver

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Cal Date : 06-Apr-2007 14:18 lahrc

Calibration File Names:
Level 1: /chem/GC_C.i/C040307-2.b/C#B-016f1601.d
Level 2: /chem/GC_C.i/C040307-2.b/C#B-020f2001.d
Level 3: /chem/GC_C.i/C040307-2.b/C#B-014f1401.d
Level 4: /chem/GC_C.i/C040307-2.b/C#B-020f2001.d
Level 5: /chem/GC_C.i/C040307-2.b/C#B-012f1201.d
Level 6: /chem/GC_C.i/C040307-2.b/C#B-011f1101.d

Compound	5 Level 1	10 Level 2	25 Level 3	50 Level 4	75 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
2 Diallate	20699809	37654091	88033025	122147286	170068987	335428986	WLINR	-121	33435		0.99991
3 alpha-BHC	1905581	1949104	1922308	1877598	1874015	1834198	AVRG		1893801		2.14053
4 Hexachlorobenzene	6076106	14485890	34403536	66049629	98576867	128142829	LINR	-1.04135	1281981		0.99937
5 gamma-BHC (Lindane)	1675359	1689863	1634793	1603148	1604320	1570737	AVRG		1629703		2.81941
6 beta-BHC	3501663	8102548	20022606	38398008	56286597	73767844	WLINR	-0.67088	754205		0.99932
7 Technical Chlordane (1)	+++++	+++++	+++++	11952506	+++++	+++++	LINR	0.000e+00	119525		1.00000
(2)	+++++	+++++	+++++	37373392	+++++	+++++	LINR	0.000e+00	373734		1.00000
(3)	+++++	+++++	+++++	27971931	+++++	+++++	LINR	0.000e+00	279719		1.00000
(4)	+++++	+++++	+++++	18773619	+++++	+++++	LINR	0.000e+00	187736		1.00000
(5)	+++++	+++++	+++++	7128057	+++++	+++++	LINR	0.000e+00	71281		1.00000
8 delta-BHC	1808250	1843105	1832908	1788932	1788892	1748864	AVRG		1801825		1.89834
9 Heptachlor	1411894	1408185	1420748	1402848	1412904	1392504	AVRG		1408180		0.68719
10 Chlorpyrifos	18718300	34277140	77769465	104790916	142740169	263795957	QUAD	-6.74731	1.624e-06	1.128e-15	0.99995
11 Toxaphene (1)	+++++	+++++	+++++	1186060	+++++	+++++	LINR	0.000e+00	5930		1.00000
(2)	+++++	+++++	+++++	1015931	+++++	+++++	LINR	0.000e+00	5080		1.00000
(3)	+++++	+++++	+++++	4059810	+++++	+++++	LINR	0.000e+00	20299		1.00000
(4)	+++++	+++++	+++++	4266514	+++++	+++++	LINR	0.000e+00	21333		1.00000
(5)	+++++	+++++	+++++	758219	+++++	+++++	LINR	0.000e+00	3791		1.00000

STL Denver

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Cal Date : 06-Apr-2007 14:18 lahrc

Compound	5 Level 1	10 Level 2	25 Level 3	50 Level 4	75 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
12 Aldrin	1620727	1630293	1612466	1561180	1565548	1522594	AVRG		1585468		2.66423	
13 Dicofol	5575929	9342952	20147659	21621499	29298106	47183206	QUAD	-20.67568	0.00001	2.322e-13	0.99576	
14 Isodrin	37015378	70570944	164830043	222788237	303153896	553861896	QUAD	-3.29569	7.337e-07	3.169e-16	0.99996	
15 Heptachlor epoxide	6544046	15509449	38254230	72328952	106834610	138135981	WLINR	-0.62309	1431557		0.99873	
16 4,4'-DDE	4961937	9422941	24004719	32992546	46643432	87627619	WLINR	-0.41838	916229		0.99873	
17 gamma-Chlordane	1625661	1640489	1561801	1519038	1513812	1480869	AVRG		1556945		4.14360	
18 alpha-Chlordane	1598877	1588353	1504595	1463658	1451424	1429217	AVRG		1506021		4.79527	
19 Endosulfan I	7298741	17088255	36002399	68732183	101229805	130054358	LINR	-2.91023	1280480		0.99925	
20 4,4'-DDE	1553384	1613242	1525743	1495726	1489001	1458220	AVRG		1522553		3.61766	
21 2,4'-DDD	5090452	9343584	23725660	31460205	43000041	82527667	QUAD	-0.72222	1.092e-06	1.580e-15	0.99965	
22 Dieldrin	1567224	1596943	1533643	1494219	1480869	1442232	AVRG		1519188		3.79005	
23 Chlorobenzilate	6919299	12132315	28322353	32755146	44399526	77136408	QUAD	-19.49895	9.025e-06	5.474e-14	0.99788	
24 Endrin	1319646	1303589	1358413	1332357	1310515	1321834	AVRG		1324392		1.46228	
25 2,4'-DDT	4789739	8548314	22943617	29193488	41184492	80169159	WLINR	-0.77040	824205		0.99664	
26 4,4'-DDD	1426621	1288144	1405674	1357403	1285332	1256288	AVRG		1336577		5.26221	
27 Endosulfan II	1431594	1347789	1364971	1308110	1306269	1261429	AVRG		1336694		4.40516	
28 Kepone	1157275	3285853	20611290	13056014	53119477	141659606	QUAD	96.04973	9.248e-06	-2.038e-14	0.95981	<-
29 Endrin aldehyde	5060621	12142212	28413842	55344030	82126659	102993254	WLINR	-0.74619	1083983		0.99825	
30 4,4'-DDT	2086812	5712430	15876883	34711916	55268564	76775583	QUAD	1.38863	1.496e-06	-2.791e-15	0.99987	
31 Endosulfan sulfate	5262502	12603278	29947495	57848339	85816367	111413299	WLINR	-0.66175	1144101		0.99912	
32 Methoxychlor	1235281	3272300	8516280	17837793	27435804	37978703	WLINR	0.68898	365008		0.99842	
33 Endrin ketone	1400152	1385027	1309663	1284871	1274972	1242640	AVRG		1316221		4.79548	
34 Mirex	4144346	9461904	21696878	40959398	60699534	78859351	WLINR	-1.21591	807651		0.99851	
36 DBPP	+++++	+++++	2906589	9101051	44720599	250844932	QUAD	1307	0.00003	-6.125e-14	0.99375	<-

* All WLINR curve fits are weighted 1/AMT2

STL Denver

INITIAL CALIBRATION DATA

Start Cal Date : 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Cal Date : 06-Apr-2007 14:18 lahrc

Compound	5 Level 1	10 Level 2	25 Level 3	50 Level 4	75 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 1 Tetrachloro-m-xylene	5179384	12634893	30454428	58927910	87878993	114172137	WLINR	-0.47572	1171659		0.99927
$ 35 Decachlorobiphenyl	5367447	11850718	27665530	52141304	74592155	100008455	WLINR	-1.36730	1012656		0.99861

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Report Date: 06-Apr-2007 14:18

Calibration History

Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Start Cal Date: 03-APR-2007 18:17
End Cal Date : 03-APR-2007 22:35

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
03-APR-2007 21:31	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-016f1601.d
03-APR-2007 19:38	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-009f0901.d
Cal Level: 2 , Cal Amount: 10.00000		
03-APR-2007 22:35	4-CHLORDANE	/chem/GC_C.i/C040307-2.b/C#B-020f2001.d
03-APR-2007 22:03	3-TOXAPHENE	/chem/GC_C.i/C040307-2.b/C#B-018f1801.d
03-APR-2007 21:15	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-015f1501.d
03-APR-2007 19:22	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-008f0801.d
Cal Level: 3 , Cal Amount: 25.00000		
03-APR-2007 20:58	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-014f1401.d
03-APR-2007 19:05	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-007f0701.d
Cal Level: 4 , Cal Amount: 50.00000		
03-APR-2007 22:35	4-CHLORDANE	/chem/GC_C.i/C040307-2.b/C#B-020f2001.d
03-APR-2007 22:03	3-TOXAPHENE	/chem/GC_C.i/C040307-2.b/C#B-018f1801.d
03-APR-2007 20:42	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-013f1301.d
03-APR-2007 18:49	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-006f0601.d
Cal Level: 5 , Cal Amount: 75.00000		
03-APR-2007 20:26	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-012f1201.d
03-APR-2007 18:33	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-005f0501.d
Cal Level: 6 , Cal Amount: 100.00000		
03-APR-2007 20:10	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-011f1101.d
03-APR-2007 18:17	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-004f0401.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

Ccal Level: 4 , Ccal Amount: 50.000		
04-APR-2007 01:17	3-TOXAPHENE	/chem/GC_C.i/C040307-2.b/C#B-030f3001.d
Ccal Level: 4 , Ccal Amount: 50.000		
04-APR-2007 01:01	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-029f2901.d
Ccal Level: 4 , Ccal Amount: 50.000		
04-APR-2007 00:45	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-028f2801.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 22:19	3-TOXAPHENE	/chem/GC_C.i/C040307-2.b/C#B-019f1901.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 21:47	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-017f1701.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 20:58	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-014f1401.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 19:54	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-010f1001.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 17:28	EVALB	/chem/GC_C.i/C040307-2.b/C#B-002f0201.d
Ccal Level: 3 , Ccal Amount: 25.000		
03-APR-2007 19:05	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-007f0701.d
Ccal Level: 4 , Ccal Amount: 50.000		
03-APR-2007 22:03	3-TOXAPHENE	/chem/GC_C.i/C040307-2.b/C#B-018f1801.d
Ccal Level: 4 , Ccal Amount: 50.000		
03-APR-2007 20:42	1-INDAB	/chem/GC_C.i/C040307-2.b/C#B-013f1301.d
Ccal Level: 4 , Ccal Amount: 50.000		
03-APR-2007 18:49	2-AP9	/chem/GC_C.i/C040307-2.b/C#B-006f0601.d

Data File: /chem/GC_C.i/C040307-2.b/C#B-002f0201.d
Report Date: 04/06/2007

EVALB Degradation Report

Instrument ID: GC_C.i Injection Date: 03-APR-2007 17:28
Lab File ID: C#B-002f0201.d Lab Sample ID: EVAL B
Analysis Type: NONE Method File: /chem/GC_C.i/C040307-2.b/C_8081_2.m

4,4'-DDT Degradation

RT	Area	Compound
7.5445	30680283	4,4'-DDT
6.5512	244541	4,4'-DDE
7.1970	2632994	4,4'-DDD

Percent Degradation of 4,4'-DDT: 8.57

Endrin Degradation

RT	Area	Compound
6.9729	36527530	Endrin
7.4287	575452	Endrin aldehyde
8.1937	1154335	Endrin ketone

Percent Degradation of Endrin: 4.52

Data File: /chem/GC_C.i/C040307-2.b/C#B-010f1001.d
Report Date: 04/06/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-010f1001.d
Analysis Type: NONE

Injection Date: 03-APR-2007 19:54
Lab Sample ID: AP9 SS GSV000507
Method File: /chem/GC_C.i/C040307-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
123 Diallate	2500.0000	2580.4709	3.2	15.0	
124 Chlorpyrifos	125.0000	128.3240	2.7	15.0	
134 Dicofol	250.0000	644.2613	157.7	15.0	<-
125 Isodrin	125.0000	121.5683	2.7	15.0	
127 2,4'-DDE	25.0000	24.3829	2.5	15.0	
128 2,4'-DDD	25.0000	26.3623	5.4	15.0	
131 Chlorobenzilate	250.0000	248.1454	0.7	15.0	
129 2,4'-DDT	25.0000	25.2897	1.2	15.0	
130 Kepone	250.0000	508.0318	103.2	53.0	<-
132 DBPP	1250.0000	1463.7877	17.1	15.0	<-

Average %D = 29.6

Data File: /chem/GC_C.i/C040307-2.b/C#B-017f1701.d
Report Date: 04/06/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Lab File ID: C#B-017f1701.d
Analysis Type: NONE

Injection Date: 03-APR-2007 21:47
Lab Sample ID: AB SS GSV019707
Method File: /chem/GC_C.i/C040307-2.b/C_8081_2.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24 Tetrachloro-m-xylene	25.0000	26.9880	8.0	15.0
2 alpha-BHC	25.0000	25.0597	0.2	15.0
133 Hexachlorobenzene	25.0000	25.9650	3.9	15.0
5 gamma-BHC (Lindane)	25.0000	24.6495	1.4	15.0
2 beta-BHC	25.0000	24.8321	0.7	15.0
4 delta-BHC	25.0000	24.0405	3.8	15.0
122 Heptachlor	25.0000	24.4097	2.4	15.0
1 Aldrin	25.0000	24.7297	1.1	15.0
19 Heptachlor epoxide	25.0000	25.1078	0.4	15.0
7 gamma-Chlordane	25.0000	24.4989	2.0	15.0
6 alpha-Chlordane	25.0000	24.6029	1.6	15.0
12 Endosulfan I	25.0000	24.2635	2.9	15.0
9 4,4'-DDE	25.0000	24.3337	2.7	15.0
11 Dieldrin	25.0000	25.3183	1.3	15.0
15 Endrin	25.0000	24.0839	3.7	15.0
8 4,4'-DDD	25.0000	26.3589	5.4	15.0
13 Endosulfan II	25.0000	24.8101	0.8	15.0
16 Endrin aldehyde	25.0000	24.5476	1.8	15.0
10 4,4'-DDT	25.0000	22.7354	9.1	15.0
14 Endosulfan sulfate	25.0000	25.1785	0.7	15.0
21 Methoxychlor	25.0000	22.0926	11.6	15.0
17 Endrin ketone	25.0000	23.5814	5.7	15.0
22 Mirex	25.0000	25.6721	2.7	15.0
23 Decachlorobiphenyl	25.0000	25.6277	2.5	15.0

Average %D = 3.18

Data File: /chem/GC_C.i/C040307-1.b/C#A-019f1901.d
Report Date: 04/06/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_C.i
Injection Date: 03-APR-2007 22:19
Lab File ID: C#A-019f1901.d
Lab Sample ID: TOX SS GSV119006
Analysis Type: NONE
Method File: /chem/GC_C.i/C040307-1.b/C_8081_1.m

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
20 Toxaphene	200.0000	197.0845	1.5	15.0

Average %D = 1.46

Data File: /chem/GC_C.i/C040307-1.b/C#A-002f0201.d Page 1
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-002f0201.d
Lab Smp Id: EVAL B
Inj Date : 03-APR-2007 17:28
Operator : Michael Inst ID: GC_C.i
Smp Info : EVAL B
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALB.sub
Target Version: 3.50
Processing Host: chemsv04

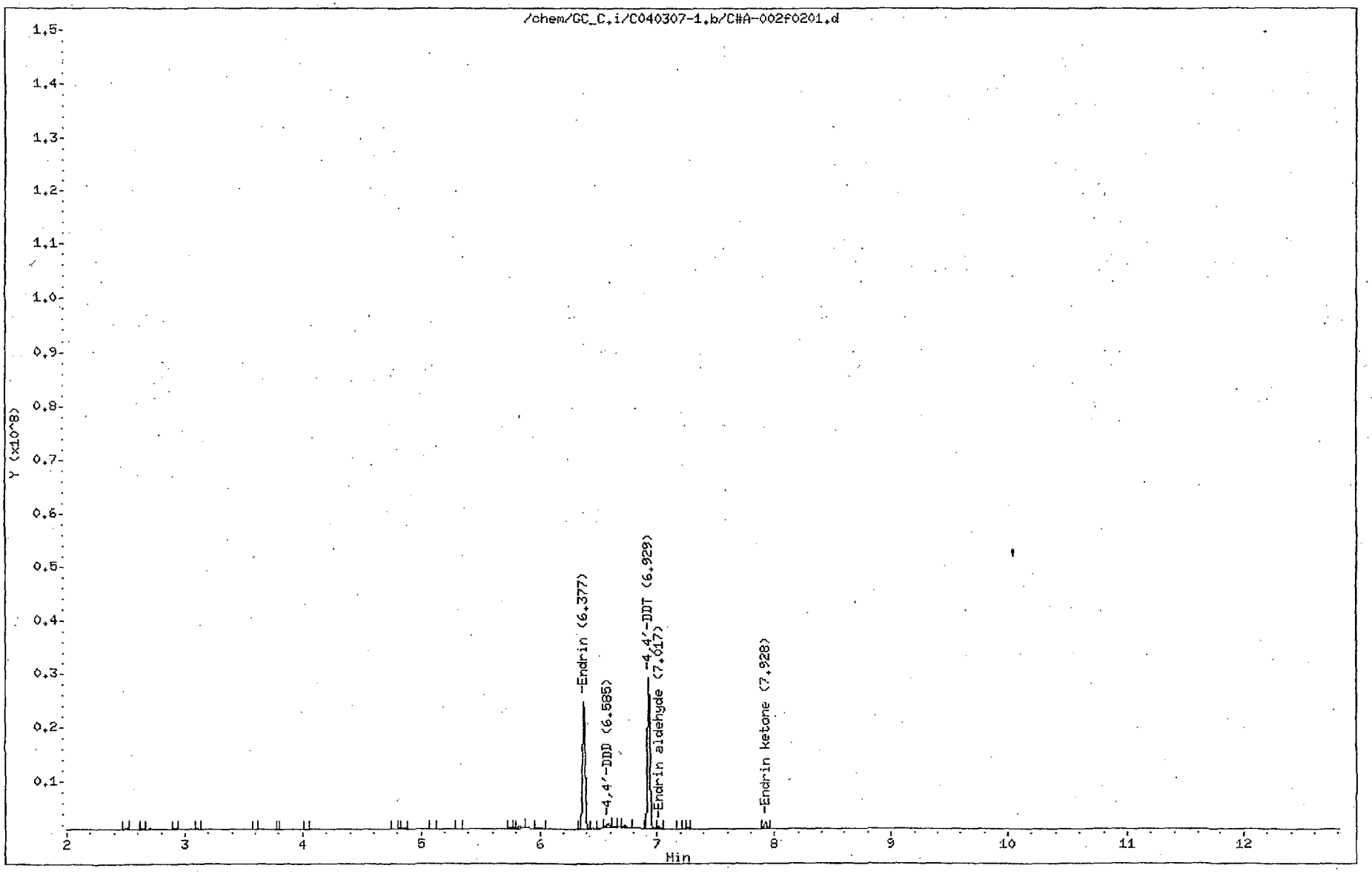
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
23 Endrin	6.377	6.379	-0.002	35553597	25.0000	27.621
19 4,4'-DDE	Compound Not Detected.					
28 4,4'-DDT	6.929	6.930	-0.001	37010749	25.0000	49.748

Data File: /chem/GC_C.i/C040307-1.b/C#A-002f0201.d
Date : 03-APR-2007 17:28
Client ID:
Sample Info: EVAL B

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-004f0401.d
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-004f0401.d
Lab Smp Id: AP9 L6 GSV000507
Inj Date : 03-APR-2007 18:17
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L6 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:10 Cal File: C#A-011f1101.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.893	0.000	342149781	10000.0	10019(A)
11 chlorpyrifos	5.025	5.024	0.001	268761774	500.000	485.94
12 Isodrin/Dicofol	5.224	5.224	0.000	559197062	500.000	499.87(A)
15 2,4'-DDE	5.558	5.559	-0.001	86490889	100.000	100.04(A)
21 2,4'-DDD	6.094	6.093	0.001	76587832	100.000	93.946
22 Chlorobenzilate	6.220	6.221	-0.001	76814550	1000.00	945.41(A)
24 2,4'-DDT	6.451	6.451	0.000	79020408	100.000	97.683
25 Kepone	6.507	6.508	-0.001	415885171	1000.00	1003.9(A)
35 DBPF	11.221	11.222	-0.001	564578109	5000.00	4991.2

QC Flag Legend

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

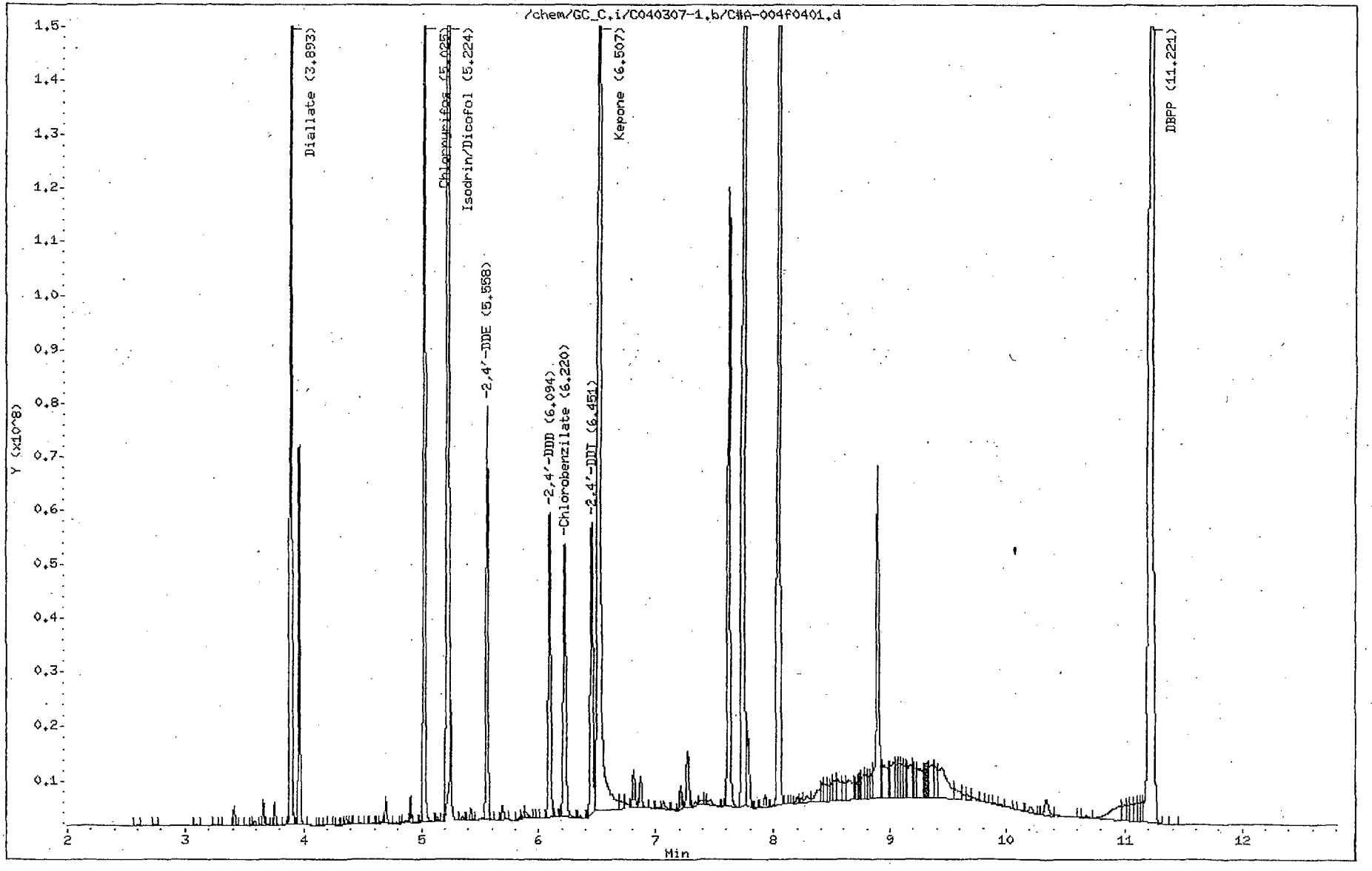
630

Data File: /chem/GC_C.i/C040307-1.b/C#A-004f0401.d
Date : 03-APR-2007 18:17
Client ID:
Sample Info: AP9 L6 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-005f0501.d
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-005f0501.d
Lab Smp Id: AP9 L5 GSV000507
Inj Date : 03-APR-2007 18:33
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L5 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:26 Cal File: C#A-012f1201.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.893	0.000	171204363	5000.00	4969.1(A)
11 chlorpyrifos	5.024	5.024	0.000	138947224	250.000	247.68
12 Isodrin/Dicofol	5.224	5.224	0.000	312630134	250.000	251.03(A)
15 2,4'-DDE	5.559	5.559	0.000	46032007	50.0000	49.706
21 2,4'-DDD	6.094	6.093	0.001	40852880	50.0000	49.623
22 Chlorobenzilate	6.221	6.221	0.000	40981083	500.000	492.37(A)
24 2,4'-DDT	6.452	6.451	0.001	39294954	50.0000	48.575
25 Kepone	6.509	6.508	0.001	215008547	500.000	516.78(A)
35 DBPP	11.224	11.222	0.002	131370668	2500.00	2701.2

QC Flag Legend

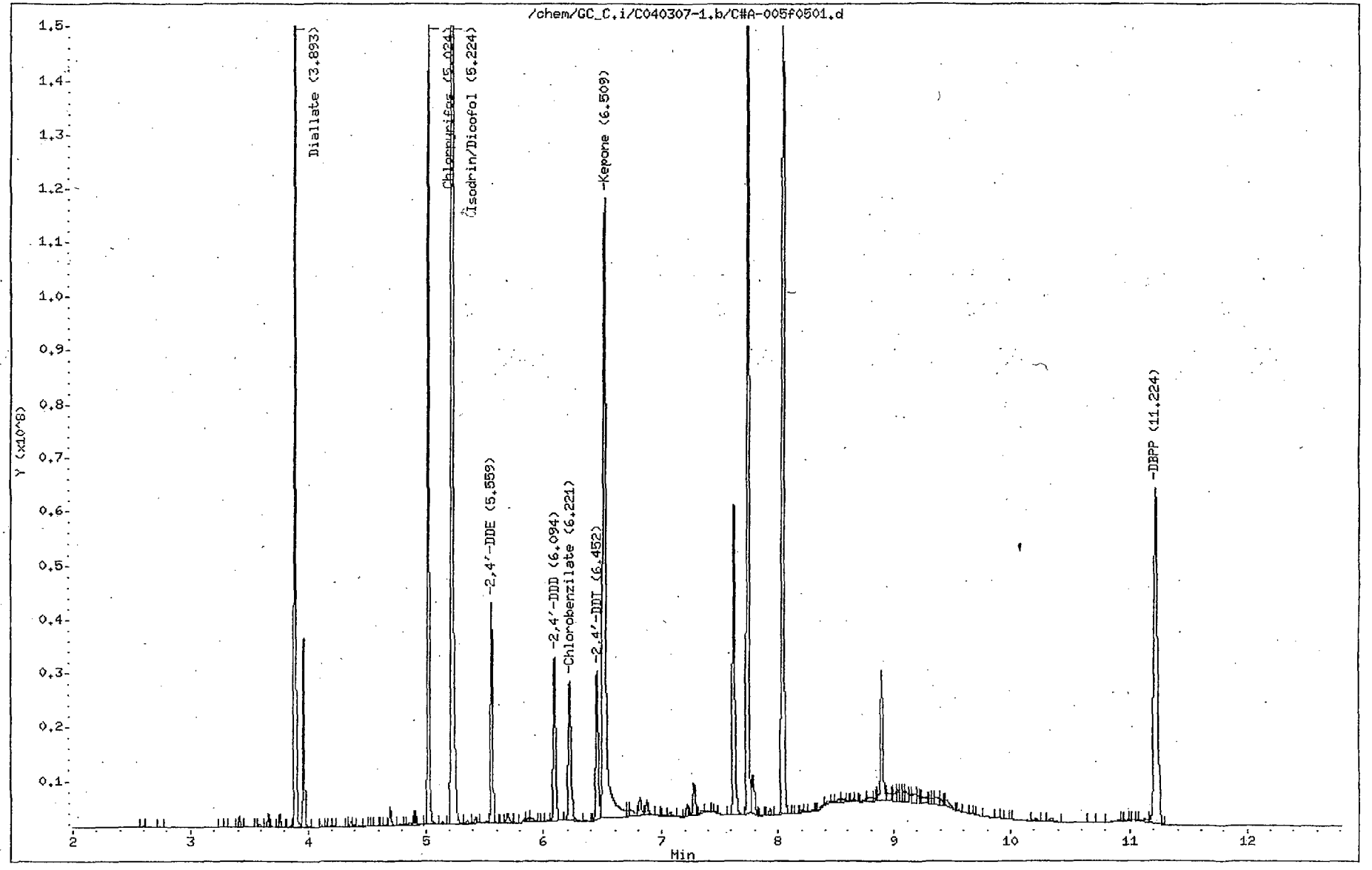
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-1.b/C#A-005f0501.d
Date : 03-APR-2007 18:33
Client ID:
Sample Info: AP9 L5 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-006f0601.d
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-006f0601.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 03-APR-2007 18:49
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:03 Cal File: C#A-018f1801.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.893	0.000	122268708	3500.00	3523.5(A)
11 chlorpyrifos	5.024	5.024	0.000	99982961	175.000	176.17
12 Isodrin/Dicofol	5.224	5.224	0.000	225938645	175.000	173.63(A)
15 2,4'-DDE	5.559	5.559	0.000	33571221	35.0000	35.324
21 2,4'-DDD	6.093	6.093	0.000	30092252	35.0000	36.277
22 Chlorobenzilate	6.221	6.221	0.000	30549721	350.000	360.48(A)
24 2,4'-DDT	6.451	6.451	0.000	28935559	35.0000	35.769
25 Kepone	6.508	6.508	0.000	113585559	350.000	270.85(A)
35 DBPP	11.222	11.222	0.000	36066300	1750.00	1284.4

QC Flag Legend

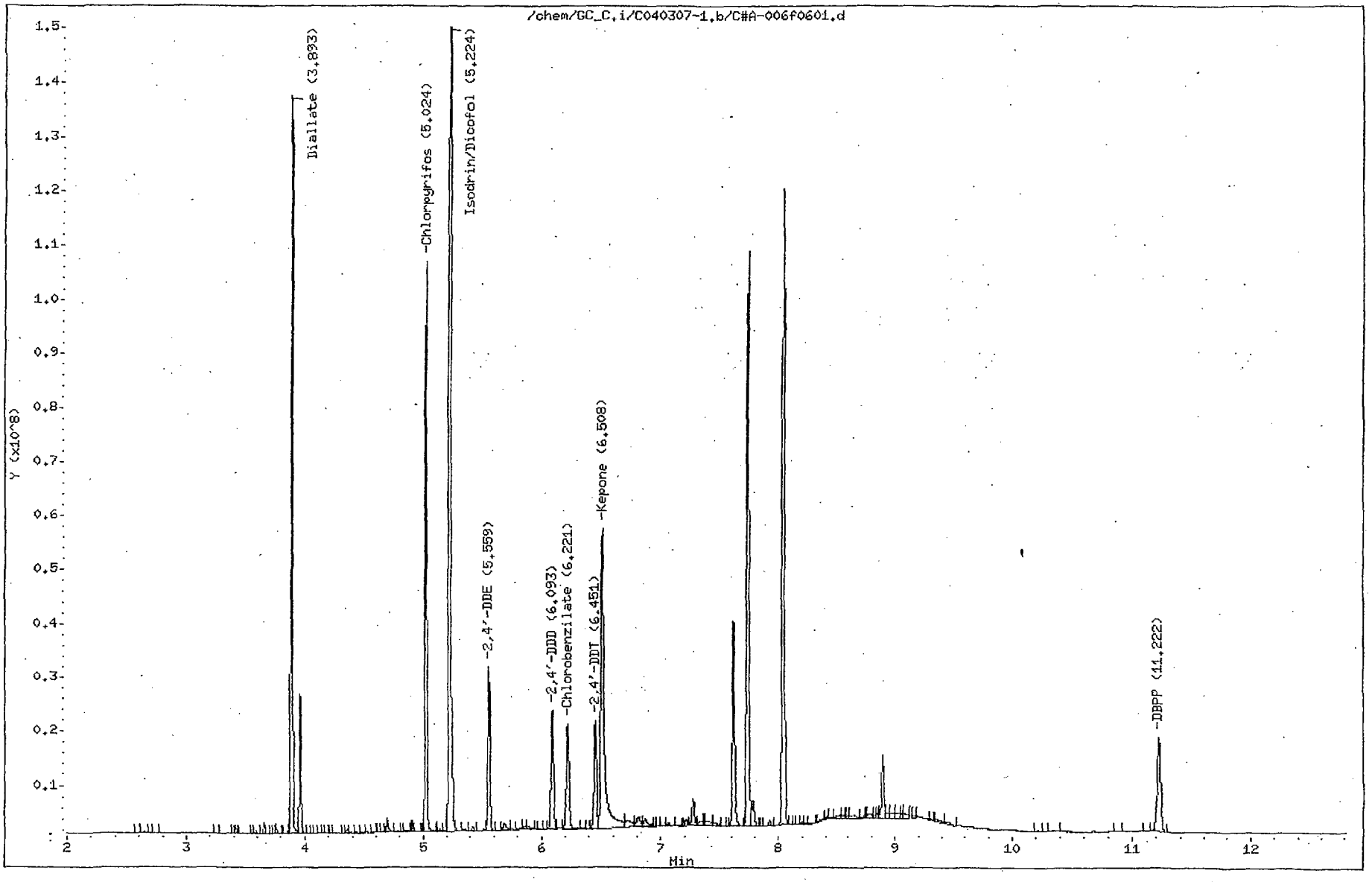
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-1.b/C#A-006f0601.d
Date : 03-APR-2007 18:49
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-007f0701.d
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-007f0701.d
Lab Smp Id: AP9 L3 GSV000507
Inj Date : 03-APR-2007 19:05
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L3 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:58 Cal File: C#A-014f1401.d
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.893	0.000	87277164	2500.00	2489.8(A)
11 chlorpyrifos	5.024	5.024	0.000	73319099	125.000	127.23
12 Isodrin/Dicofol	5.224	5.224	0.000	168579312	125.000	125.30(A)
15 2,4'-DDE	5.559	5.559	0.000	24314103	25.0000	24.981
21 2,4'-DDD	6.095	6.093	0.002	21326829	25.0000	25.405
22 Chlorobenzilate	6.221	6.221	0.000	22128492	250.000	254.02(A)
24 2,4'-DDT	6.453	6.451	0.002	19863175	25.0000	24.554
25 Kepone	6.509	6.508	0.001	112326102	250.000	267.80(A)
35 DBPP	11.226	11.222	0.004	15349764	1250.00	932.93

QC Flag Legend

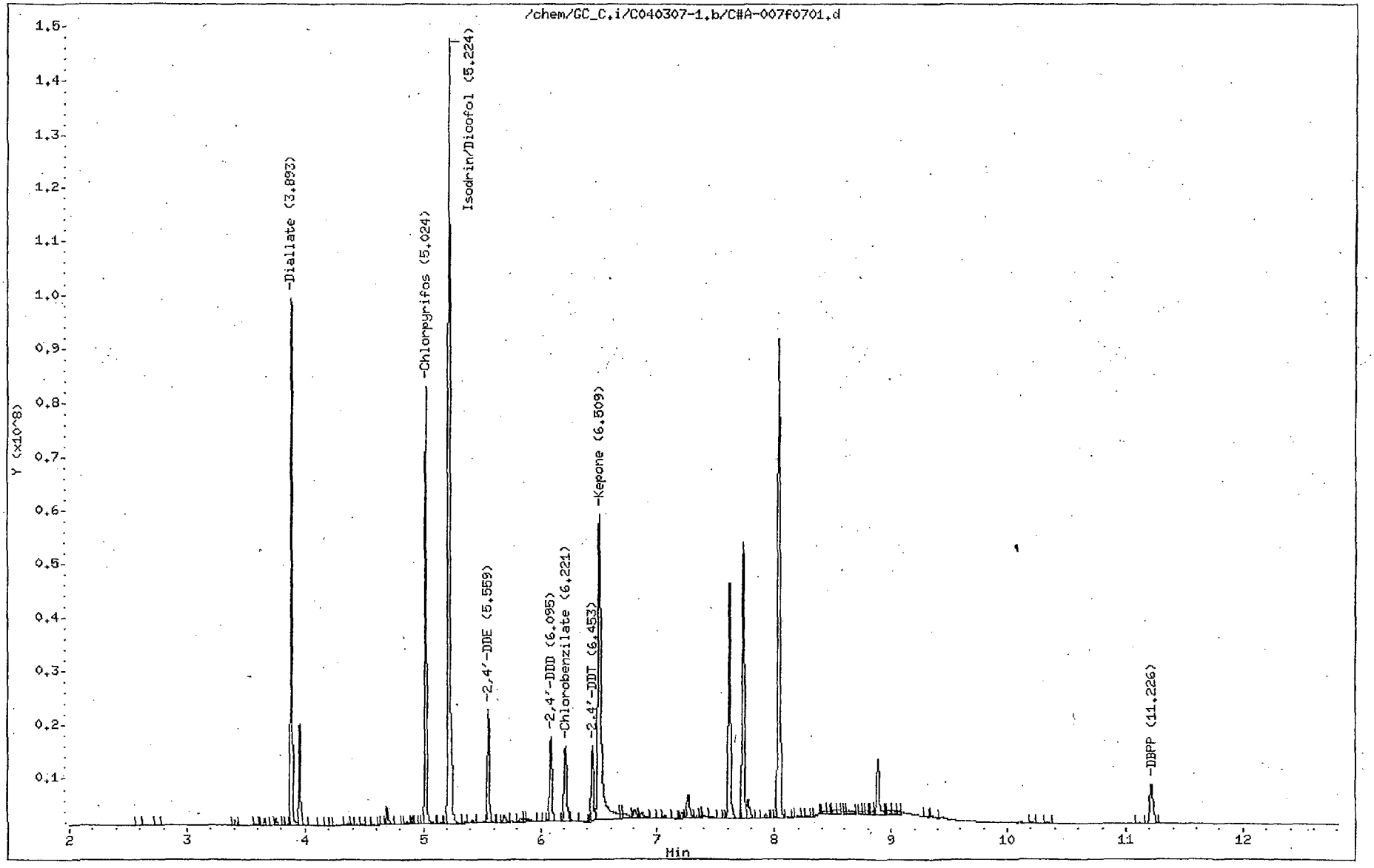
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-1.b/C#A-007f0701.d
Date : 03-APR-2007 19:05
Client ID:
Sample Info: AP9 L3 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-008f0801.d
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-008f0801.d
Lab Smp Id: AP9 L2 GSV000507
Inj Date : 03-APR-2007 19:22
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L2 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 21:15 Cal File: C#A-015f1501.d
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.893	0.000	36922410	1000.00	1002.3(A)
11 chlorpyrifos	5.024	5.024	0.000	31944417	50.0000	51.294
12 Isodrin/Dicofol	5.224	5.224	0.000	73220600	50.0000	50.049(A)
15 2,4'-DDE	5.560	5.559	0.001	10476550	10.0000	10.062
21 2,4'-DDD	6.094	6.093	0.001	9127047	10.0000	10.273
22 Chlorobenzilate	6.221	6.221	0.000	10270316	100.000	104.09(A)
24 2,4'-DDT	6.453	6.451	0.002	8085568	10.0000	9.9952
25 Kepone	6.510	6.508	0.002	53153498	100.000	124.32
35 DBPP	11.225	11.222	0.003	771027	500.000	676.23

QC Flag Legend

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

Data File: /chem/GC_C.i/C040307-1.b/C#A-008f0801.d

Date : 03-APR-2007 19:22

Client ID:

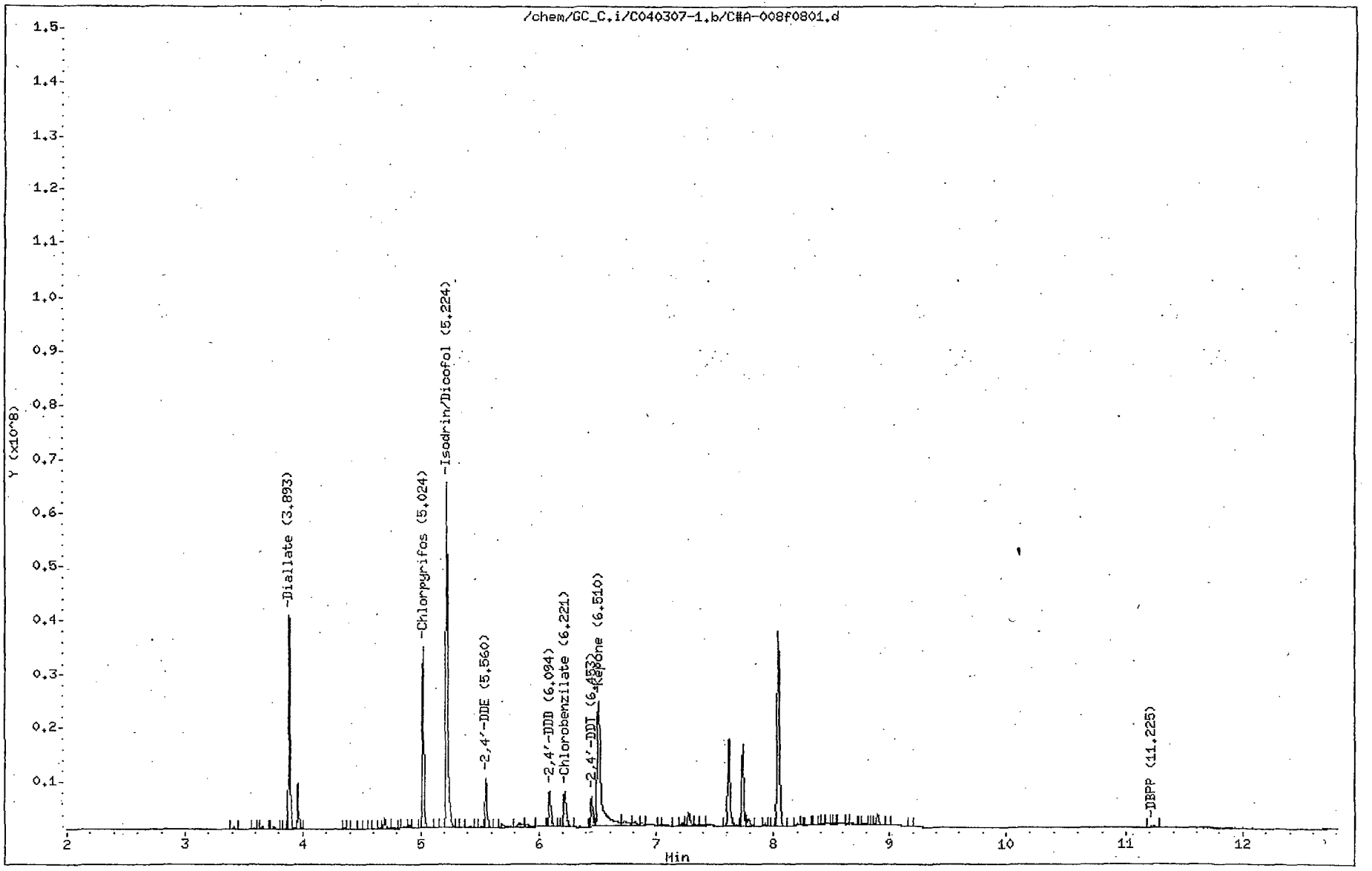
Sample Info: AP9 L2 GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-009f0901.d Page 1
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-009f0901.d
Lab Smp Id: AP9 L1 GSV000507
Inj Date : 03-APR-2007 19:38
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L1 GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.893	3.893	0.000	19906082	500.000	499.62(A)
11 chlorpyrifos	5.025	5.024	0.001	17412107	25.0000	24.622
12 Isodrin/Dicofol	5.224	5.224	0.000	39720826	25.0000	25.120(A)
15 2,4'-DDE	5.560	5.559	0.001	5535648	5.00000	4.8919
21 2,4'-DDD	6.094	6.093	0.001	4801536	5.00000	4.9083
22 Chlorobenzilate	6.221	6.221	0.000	5897992	50.0000	48.815
24 2,4'-DDT	6.451	6.451	0.000	4238866	5.00000	5.2400
25 Kepone	6.510	6.508	0.002	29256729	50.0000	66.373
35 DBPP	11.222	11.222	0.000	83524	250.000	663.93(M)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

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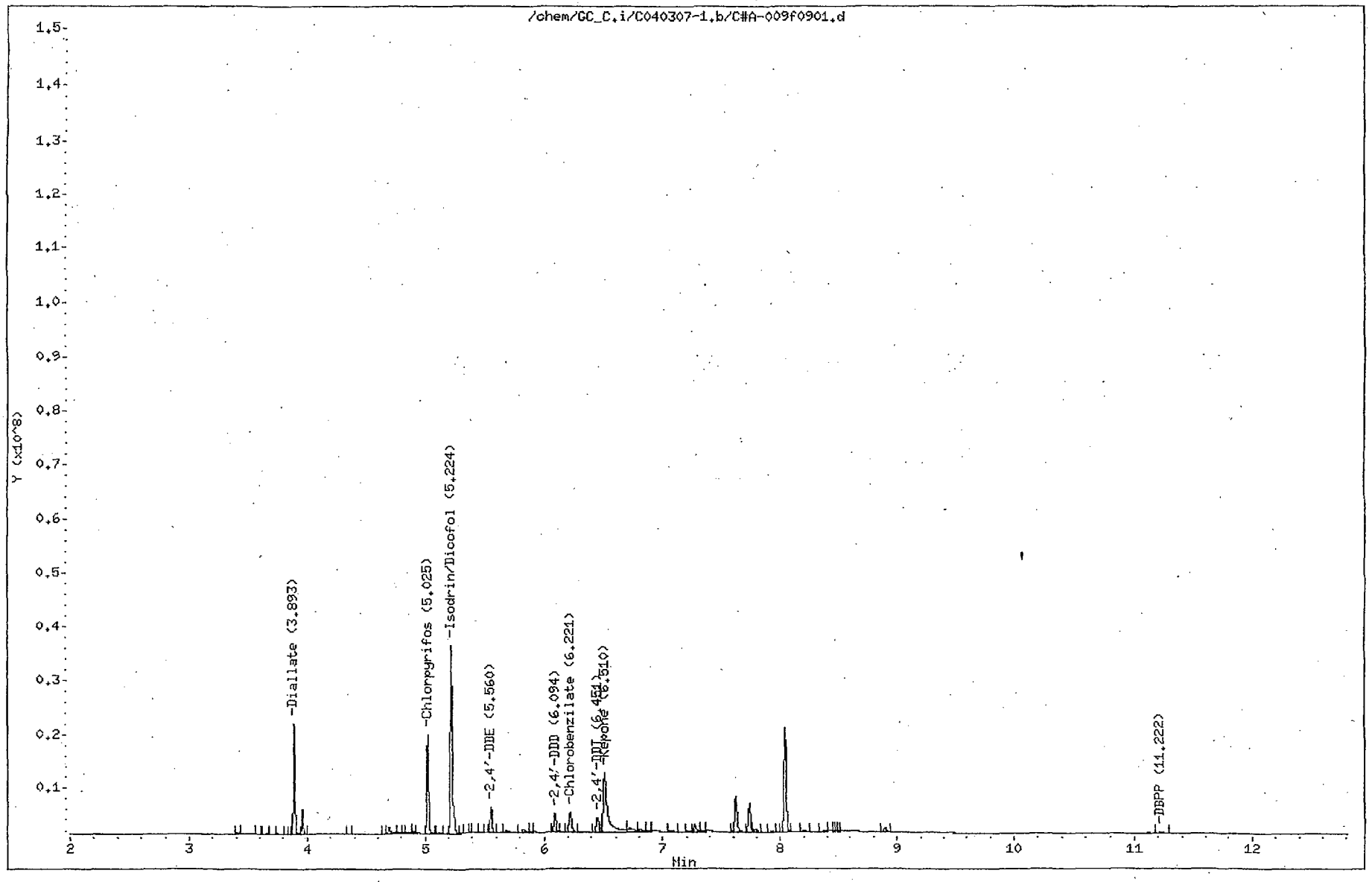
Data File: /chem/GC_C.i/C040307-1.b/C#A-009f0901.d
Date : 03-APR-2007 19:38
Client ID:
Sample Info: AP9 L1 GSV000507

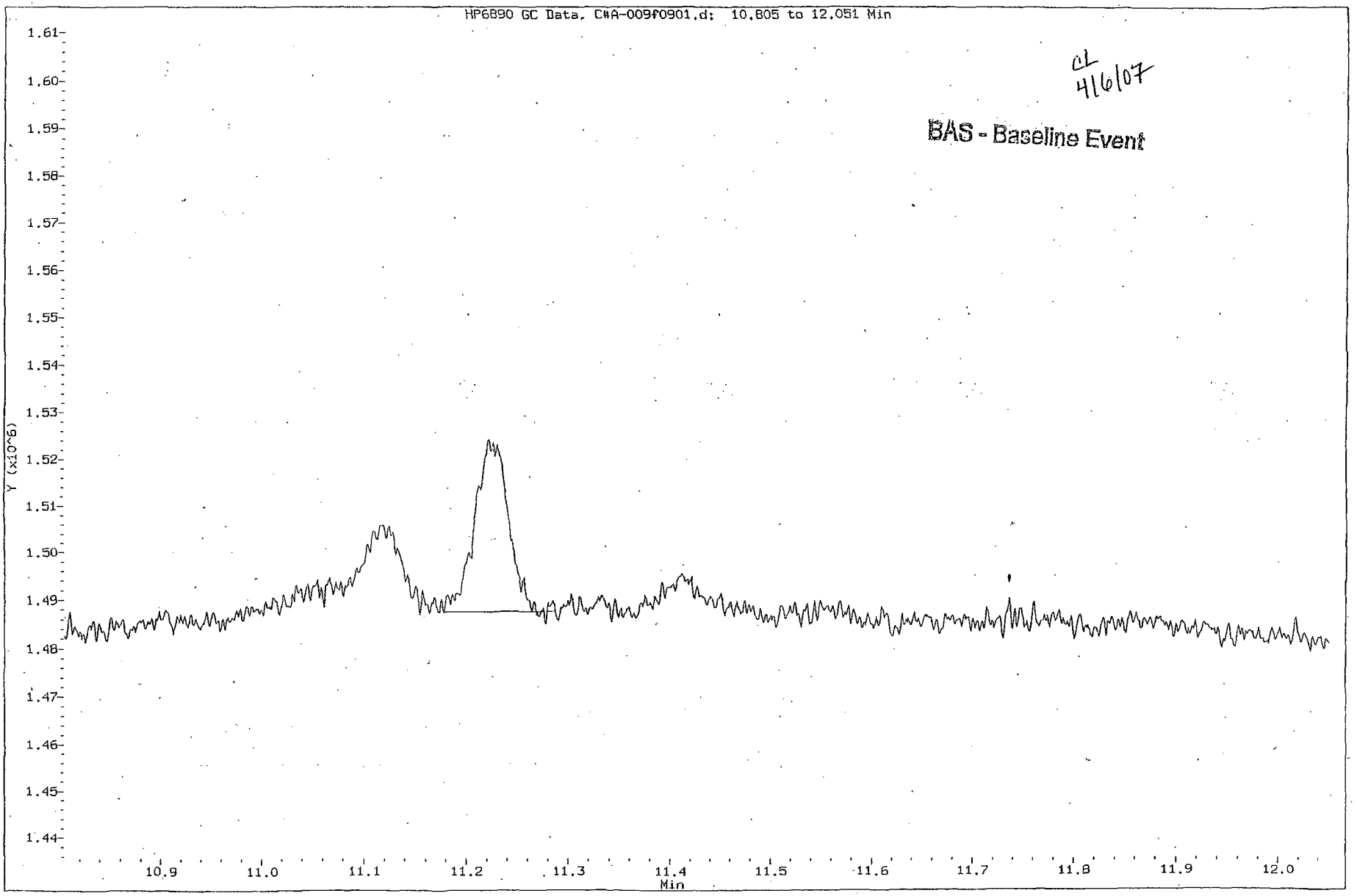
Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-009f0901.d
Injection Date: 03-APR-2007 19:38
Instrument: GC_C.i
Client Sample ID:

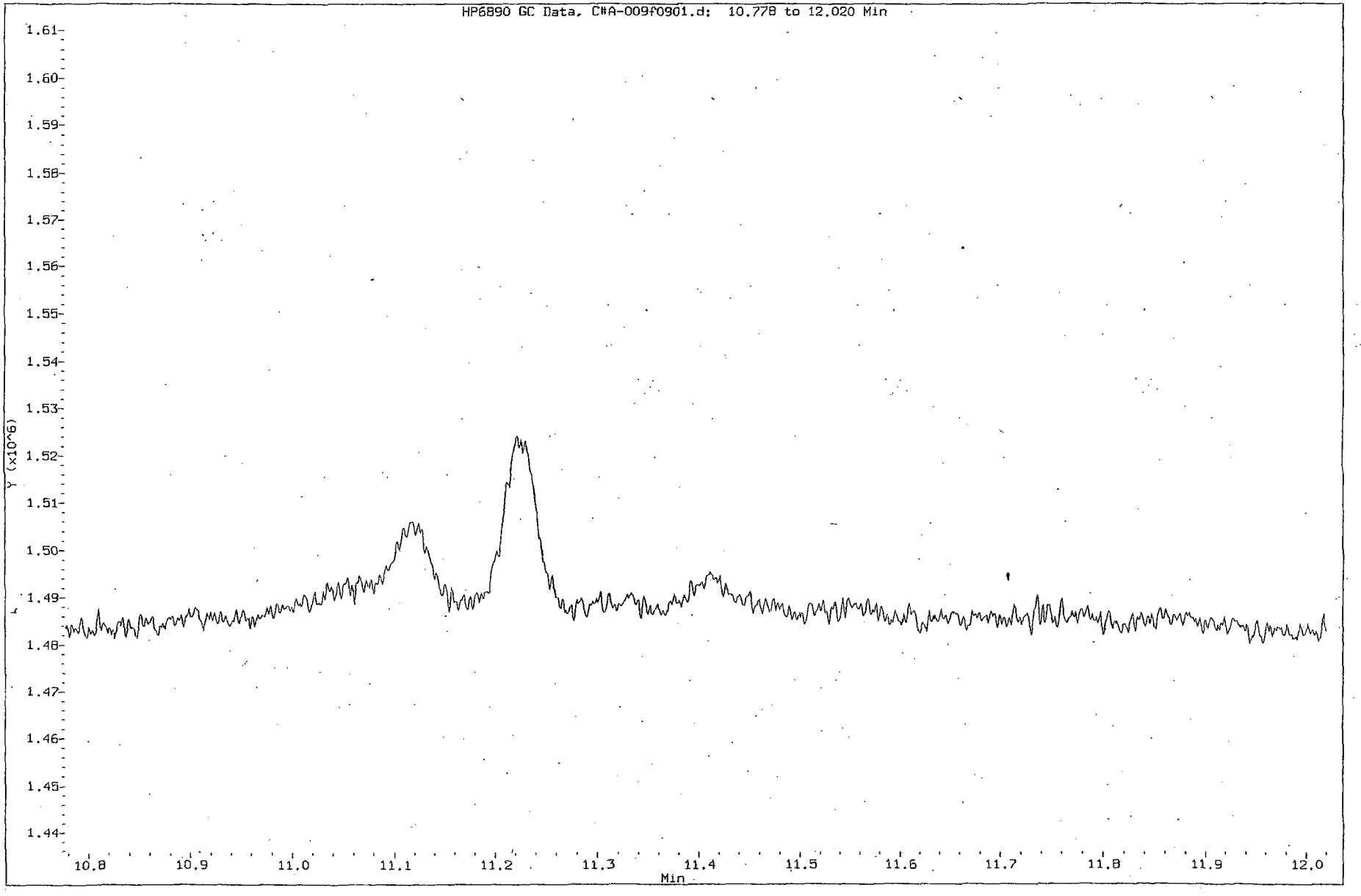


CL 4/6/07

642

Data File: /chem/GC_C.i/C040307-1.b/C#A-009f0901.d
Injection Date: 03-APR-2007 19:38
Instrument: GC_C.i
Client Sample ID:

ORIGINAL



Data File: /chem/GC_C.i/C040307-1.b/C#A-010f1001.d
Report Date: 06-Apr-2007 14:14

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-010f1001.d
Lab Smp Id: AP9 SS GSV000507
Inj Date : 03-APR-2007 19:54
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 SS GSV000507
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:14 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	3.894	3.893	0.001	90173401	2500.00	2575.4(A)
11 chlorpyrifos	5.025	5.024	0.001	76010368	125.000	132.17
12 Isodrin/Dicofol	5.224	5.224	0.000	178238084	125.000	133.28(A)
15 2,4'-DDE	5.560	5.559	0.001	24481760	25.0000	25.165
21 2,4'-DDD	6.095	6.093	0.002	23012397	25.0000	27.496
22 Chlorobenzilate	6.222	6.221	0.001	23812732	250.000	275.31(A)
24 2,4'-DDT	6.453	6.451	0.002	21122031	25.0000	26.110
25 Kepone	6.509	6.508	0.001	180526327	250.000	433.17(A)
35 DBPP	11.224	11.222	0.002	22044567	1250.00	1048.2

QC Flag Legend

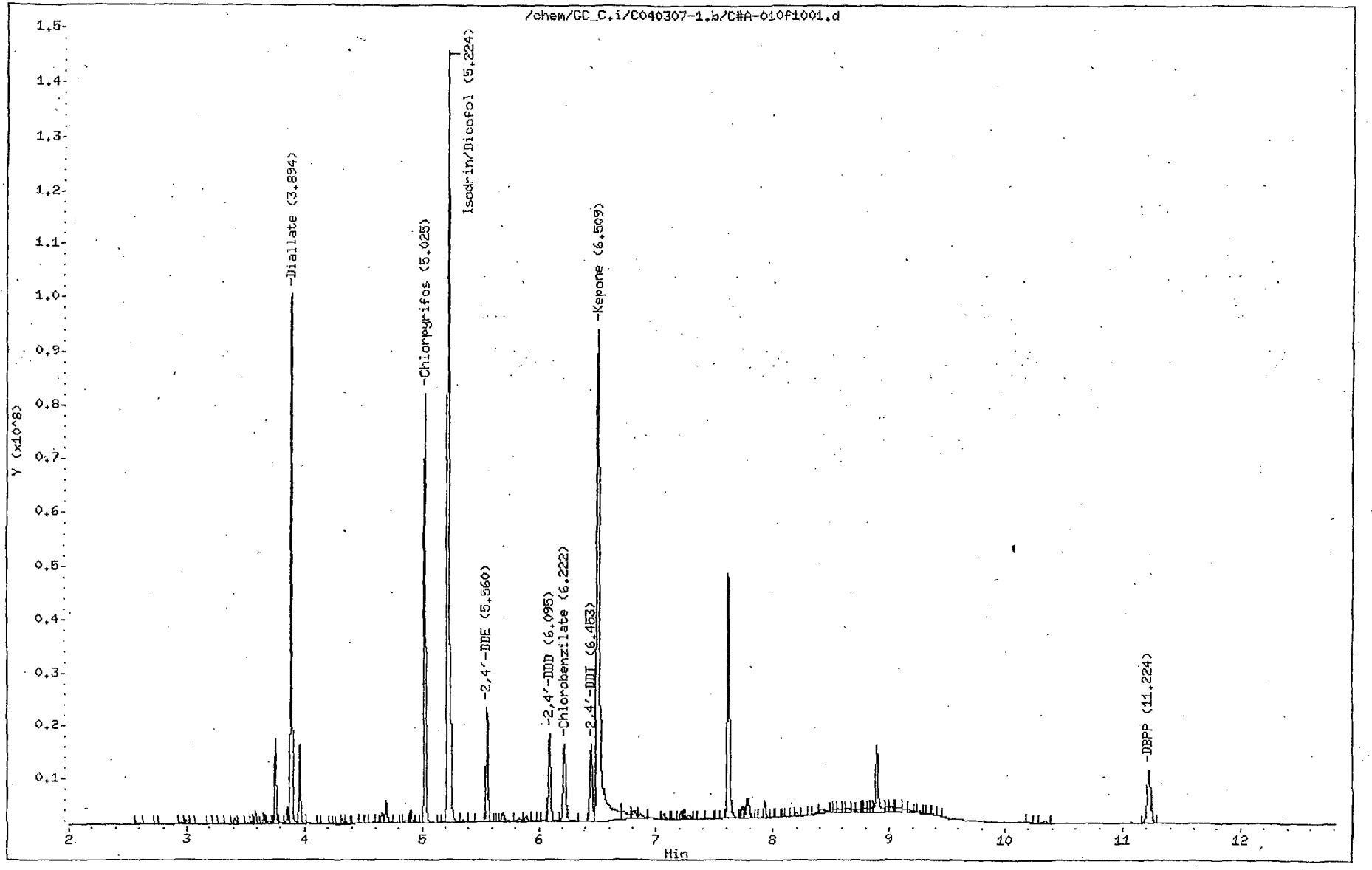
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-1.b/C#A-010f1001.d
Date : 03-APR-2007 19:54
Client ID:
Sample Info: AP9 SS GSV000507

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-011f1101.d
Report Date: 06-Apr-2007 14:15

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-011f1101.d
Lab Smp Id: AB L6 GSV019707
Inj Date : 03-APR-2007 20:10
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L6 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:15 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:10 Cal File: C#A-011f1101.d
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.622	3.623	-0.001	111029928	100.000	97.180
3 Hexachlorobenzene	4.058	4.057	0.001	117856531	100.000	97.422
4 alpha-BHC	4.150	4.149	0.001	173012822	100.000	96.816
5 gamma-BHC (Lindane)	4.436	4.436	0.000	159888393	100.000	95.421
7 beta-BHC	4.629	4.629	0.000	67121703	100.000	97.244
8 Heptachlor	4.691	4.691	0.000	124046553	100.000	95.893
9 delta-BHC	4.822	4.823	-0.001	166264763	100.000	94.771
10 Aldrin	4.908	4.908	0.000	139239607	100.000	93.296
13 Heptachlor epoxide	5.340	5.339	0.001	126733212	100.000	96.856
14 gamma-Chlordane	5.547	5.548	-0.001	138610823	100.000	95.726
17 alpha-Chlordane	5.640	5.640	0.000	133428162	100.000	95.037
18 Endosulfan I	5.688	5.689	-0.001	122438918	100.000	96.332
19 4,4'-DDE	5.866	5.866	0.000	134797805	100.000	96.817
20 Dieldrin	5.995	5.995	0.000	135463271	100.000	96.911
23 Endrin	6.380	6.379	0.001	126960886	100.000	98.635
26 4,4'-DDD	6.586	6.586	0.000	124832758	100.000	97.280
27 Endosulfan II	6.731	6.731	0.000	123077230	100.000	99.960
28 4,4'-DDT	6.930	6.930	0.000	80227959	100.000	99.900
29 Endrin aldehyde	7.020	7.019	0.001	102498995	100.000	97.432
30 Endosulfan sulfate	7.264	7.264	0.000	113287446	100.000	99.854
31 Methoxychlor	7.761	7.759	0.002	37181342	100.000	105.07(A)
32 Endrin ketone	7.931	7.929	0.002	127522720	100.000	100.02(A)
33 Mirex	8.044	8.044	0.000	86826585	100.000	96.728
$ 34 Decachlorobiphenyl	9.170	9.169	0.001	100465891	100.000	96.818

QC Flag Legend

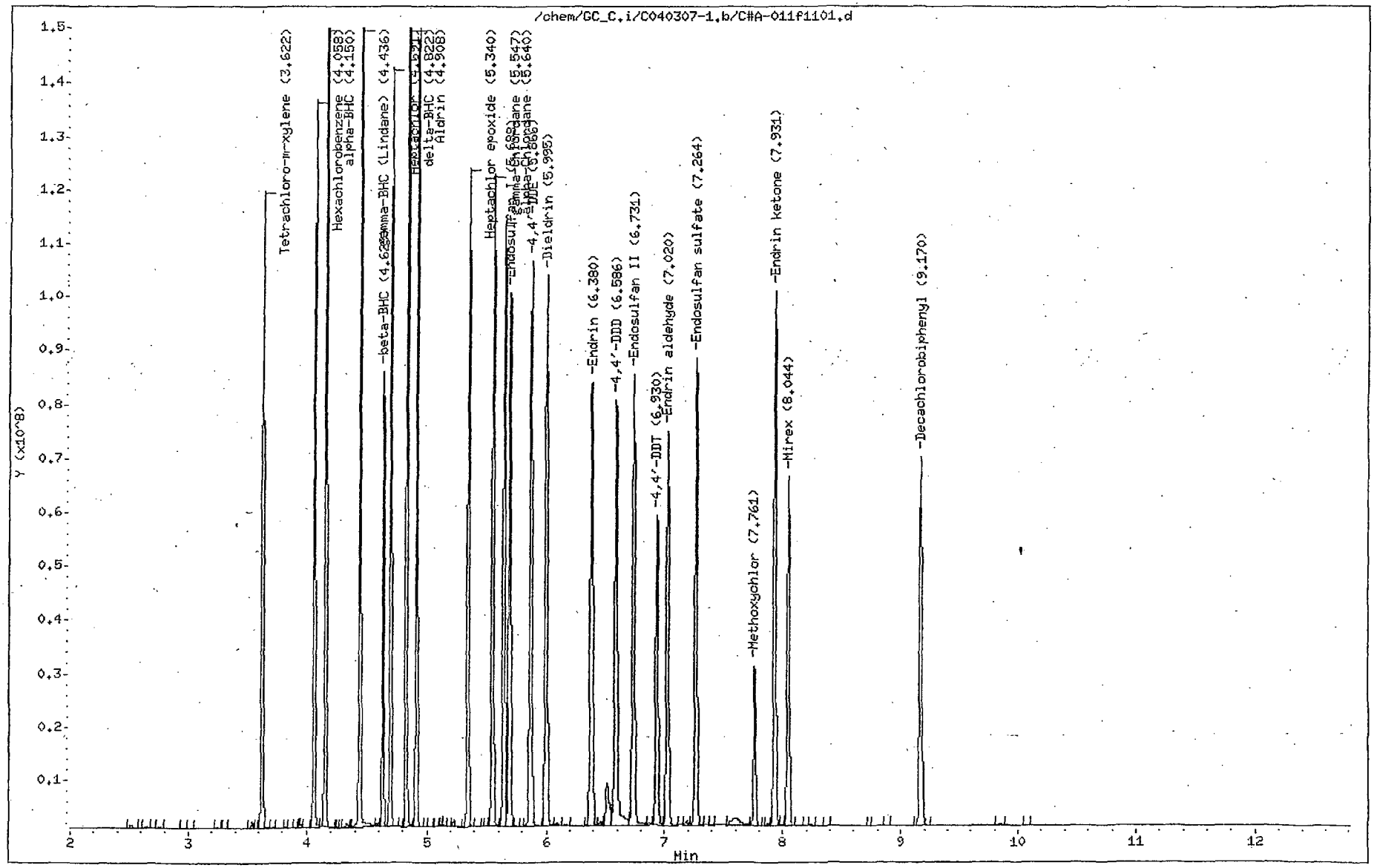
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-1.b/C#A-011f1101.d
Date : 03-APR-2007 20:10
Client ID:
Sample Info: AB L6 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-012f1201.d
Report Date: 06-Apr-2007 14:15

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-012f1201.d
Lab Smp Id: AB L5 GSV019707
Inj Date : 03-APR-2007 20:26
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L5 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:15 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:26 Cal File: C#A-012f1201.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

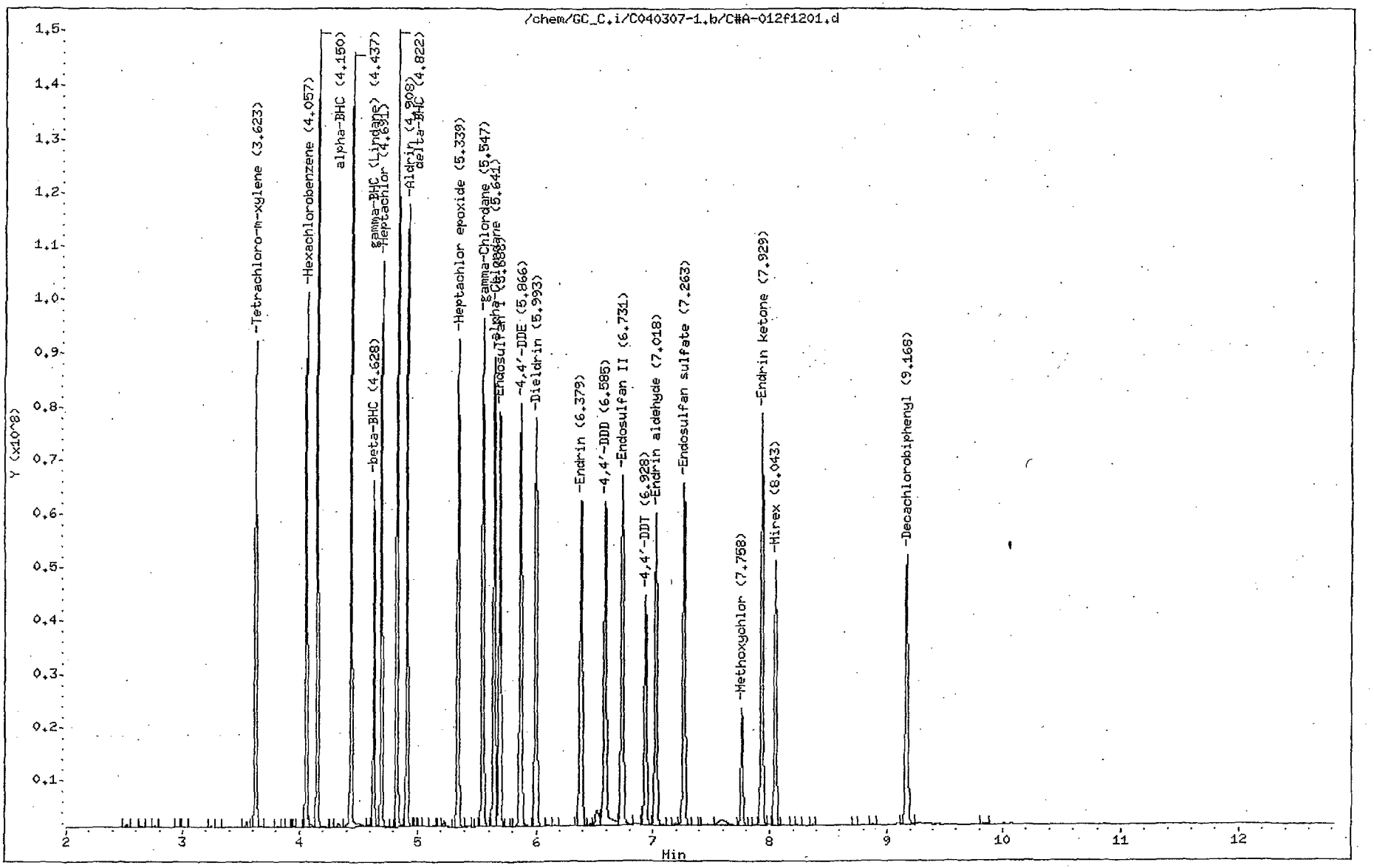
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.623	3.623	0.000	85019328	75.0000	74.273
3 Hexachlorobenzene	4.057	4.057	0.000	90090963	75.0000	74.470
4 alpha-BHC	4.150	4.149	0.001	132171343	75.0000	73.962
5 gamma-BHC (Lindane)	4.437	4.436	0.001	123618422	75.0000	73.775
7 beta-BHC	4.628	4.629	-0.001	51923341	75.0000	75.055
8 Heptachlor	4.691	4.691	0.000	94666329	75.0000	73.181
9 delta-BHC	4.822	4.823	-0.001	127920517	75.0000	72.915
10 Aldrin	4.908	4.908	0.000	107440110	75.0000	71.989
13 Heptachlor epoxide	5.339	5.339	0.000	96263679	75.0000	73.406
14 gamma-Chlordane	5.547	5.548	-0.001	105116473	75.0000	72.595
17 alpha-Chlordane	5.641	5.640	0.001	101530286	75.0000	72.317
18 Endosulfan I	5.688	5.689	-0.001	93698362	75.0000	73.569
19 4,4'-DDE	5.866	5.866	0.000	102659489	75.0000	73.518
20 Dieldrin	5.993	5.995	-0.002	103154517	75.0000	73.672
23 Endrin	6.379	6.379	0.000	93267895	75.0000	72.459
26 4,4'-DDD	6.585	6.586	-0.001	94062817	75.0000	73.107
27 Endosulfan II	6.731	6.731	0.000	94310684	75.0000	75.277
28 4,4'-DDT	6.928	6.930	-0.002	58134355	75.0000	75.270
29 Endrin aldehyde	7.018	7.019	-0.001	79890944	75.0000	75.633
30 Endosulfan sulfate	7.263	7.264	-0.001	87278334	75.0000	75.446
31 Methoxychlor	7.758	7.759	-0.001	26819457	75.0000	75.786
32 Endrin ketone	7.929	7.929	0.000	97788827	75.0000	75.052
33 Mirex	8.043	8.044	-0.001	66103269	75.0000	73.360
$ 34 Decachlorobiphenyl	9.168	9.169	-0.001	76920830	75.0000	73.865

Data File: /chem/GC_C.i/C040307-1.b/C#A-012f1201.d
Date : 03-APR-2007 20:26
Client ID:
Sample Info: AB L5 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-013f1301.d
Report Date: 06-Apr-2007 14:15

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-013f1301.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 03-APR-2007 20:42
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:15 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:03 Cal File: C#A-018f1801.d
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

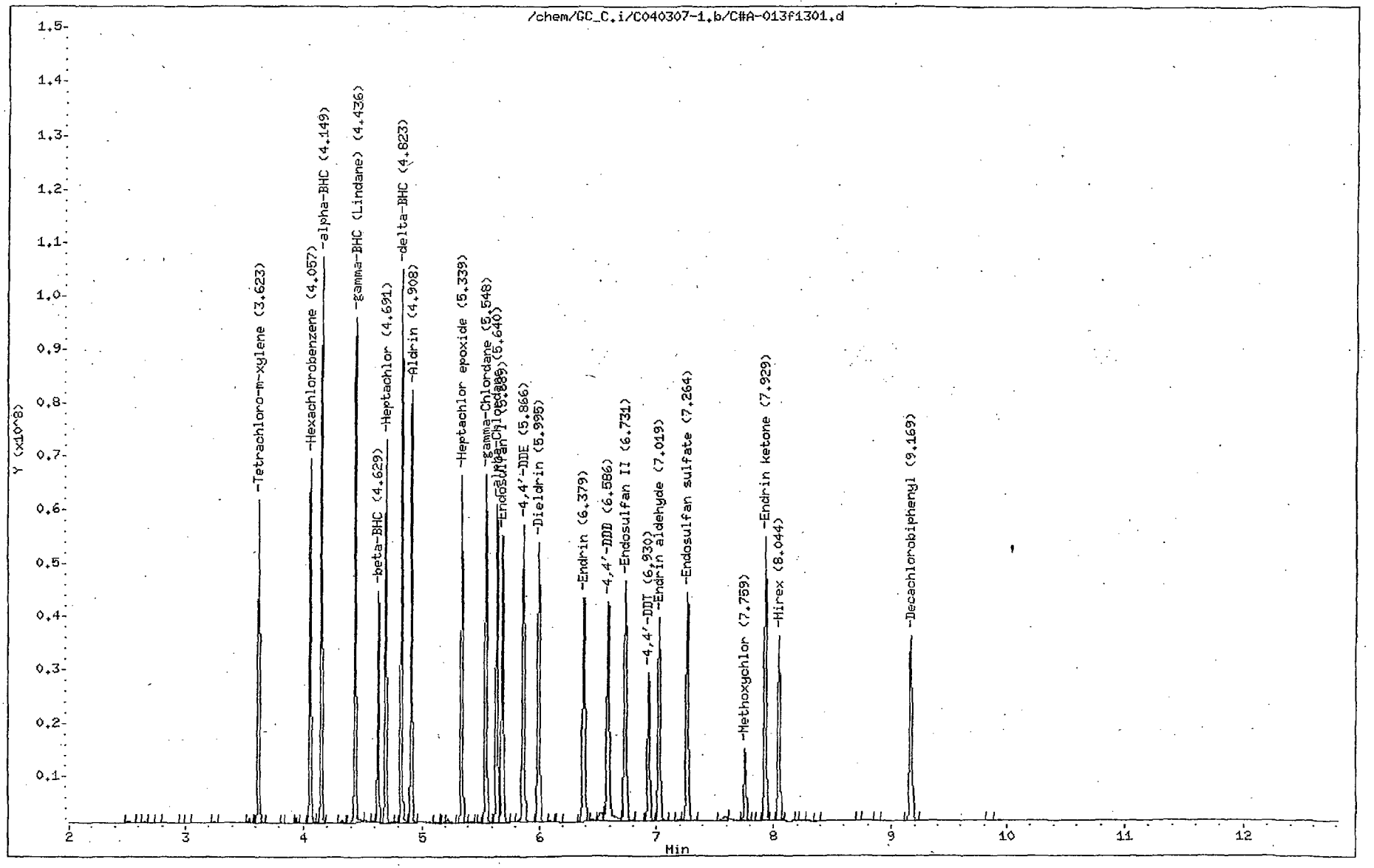
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.623	3.623	0.000	56976603	50.0000	49.576
3 Hexachlorobenzene	4.057	4.057	0.000	60386631	50.0000	49.916
4 alpha-BHC	4.149	4.149	0.000	88203063	50.0000	49.358
5 gamma-BHC (Lindane)	4.436	4.436	0.000	81806424	50.0000	48.822
7 beta-BHC	4.629	4.629	0.000	34370927	50.0000	49.430
8 Heptachlor	4.691	4.691	0.000	62798352	50.0000	48.546
9 delta-BHC	4.823	4.823	0.000	85235402	50.0000	48.584
10 Aldrin	4.908	4.908	0.000	72246577	50.0000	48.408
13 Heptachlor epoxide	5.339	5.339	0.000	65831267	50.0000	49.984
14 gamma-Chlordane	5.548	5.548	0.000	71020582	50.0000	49.048
17 alpha-Chlordane	5.640	5.640	0.000	68591143	50.0000	48.856
18 Endosulfan I	5.689	5.689	0.000	63932477	50.0000	49.993
19 4,4'-DDE	5.866	5.866	0.000	69774650	50.0000	49.679
20 Dieldrin	5.995	5.995	0.000	69730473	50.0000	49.632
23 Endrin	6.379	6.379	0.000	63350838	50.0000	49.217
26 4,4'-DDD	6.586	6.586	0.000	63477375	50.0000	49.079
27 Endosulfan II	6.731	6.731	0.000	63312477	50.0000	49.392
28 4,4'-DDT	6.930	6.930	0.000	37069623	50.0000	49.822
29 Endrin aldehyde	7.019	7.019	0.000	53732563	50.0000	50.410
30 Endosulfan sulfate	7.264	7.264	0.000	58676007	50.0000	49.504
31 Methoxychlor	7.759	7.759	0.000	17535353	50.0000	49.551
32 Endrin ketone	7.929	7.929	0.000	66499453	50.0000	49.725
33 Mirex	8.044	8.044	0.000	45277968	50.0000	49.876
$ 34 Decachlorobiphenyl	9.169	9.169	0.000	51889013	50.0000	49.462

Data File: /chem/GC_C.i/C040307-1.b/C#A-013f1301.d
Date : 03-APR-2007 20:42
Client ID:
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-014f1401.d
Report Date: 06-Apr-2007 14:15

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-014f1401.d
Lab Smp Id: AB L3 GSV019707
Inj Date : 03-APR-2007 20:58
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L3 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:15 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:58 Cal File: C#A-014f1401.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

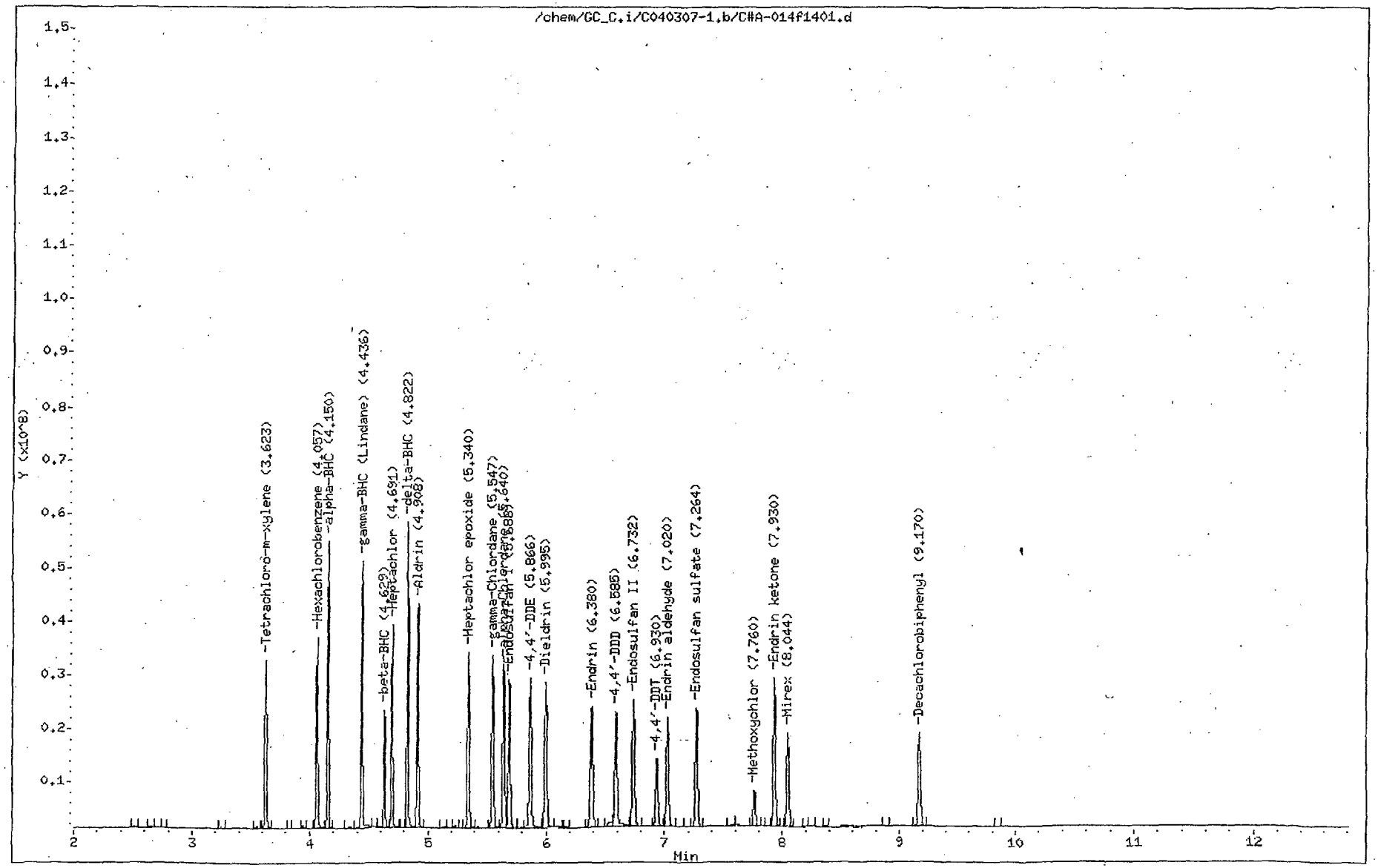
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.623	3.623	0.000	29765478	25.0000	25.612
3 Hexachlorobenzene	4.057	4.057	0.000	31171364	25.0000	25.767
4 alpha-BHC	4.150	4.149	0.001	44956741	25.0000	25.157
5 gamma-BHC (Lindane)	4.436	4.436	0.000	42306354	25.0000	25.248
7 beta-BHC	4.629	4.629	0.000	17948067	25.0000	25.453
8 Heptachlor	4.691	4.691	0.000	32417504	25.0000	25.060
9 delta-BHC	4.822	4.823	-0.001	44170923	25.0000	25.178
10 Aldrin	4.908	4.908	0.000	38072666	25.0000	25.510
13 Heptachlor epoxide	5.340	5.339	0.001	34062540	25.0000	25.534
14 gamma-Chlordane	5.547	5.548	-0.001	36169893	25.0000	24.979
17 alpha-Chlordane	5.640	5.640	0.000	35053987	25.0000	24.968
18 Endosulfan I	5.688	5.689	-0.001	33323424	25.0000	25.749
19 4,4'-DDE	5.866	5.866	0.000	36683573	25.0000	25.690
20 Dieldrin	5.995	5.995	0.000	36585494	25.0000	25.792
23 Endrin	6.380	6.379	0.001	33240388	25.0000	25.824
26 4,4'-DDD	6.585	6.586	-0.001	33897568	25.0000	25.841
27 Endosulfan II	6.732	6.731	0.001	33869444	25.0000	25.490
28 4,4'-DDT	6.930	6.930	0.000	17845388	25.0000	24.924
29 Endrin aldehyde	7.020	7.019	0.001	28473806	25.0000	26.055
30 Endosulfan sulfate	7.264	7.264	0.000	30827837	25.0000	25.151
31 Methoxychlor	7.760	7.759	0.001	8759079	25.0000	24.751
32 Endrin ketone	7.930	7.929	0.001	35045757	25.0000	25.247
33 Mirex	8.044	8.044	0.000	23837077	25.0000	25.699
$ 34 Decachlorobiphenyl	9.170	9.169	0.001	27304099	25.0000	25.495

Data File: /chem/GC_C.i/C040307-1.b/C#A-014f1401.d
Date : 03-APR-2007 20:58
Client ID:
Sample Info: AB L3 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-015f1501.d
Report Date: 06-Apr-2007 14:15

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-015f1501.d
Lab Smp Id: AB L2 GSV019707
Inj Date : 03-APR-2007 21:15
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L2 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:15 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 21:15 Cal File: C#A-015f1501.d
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

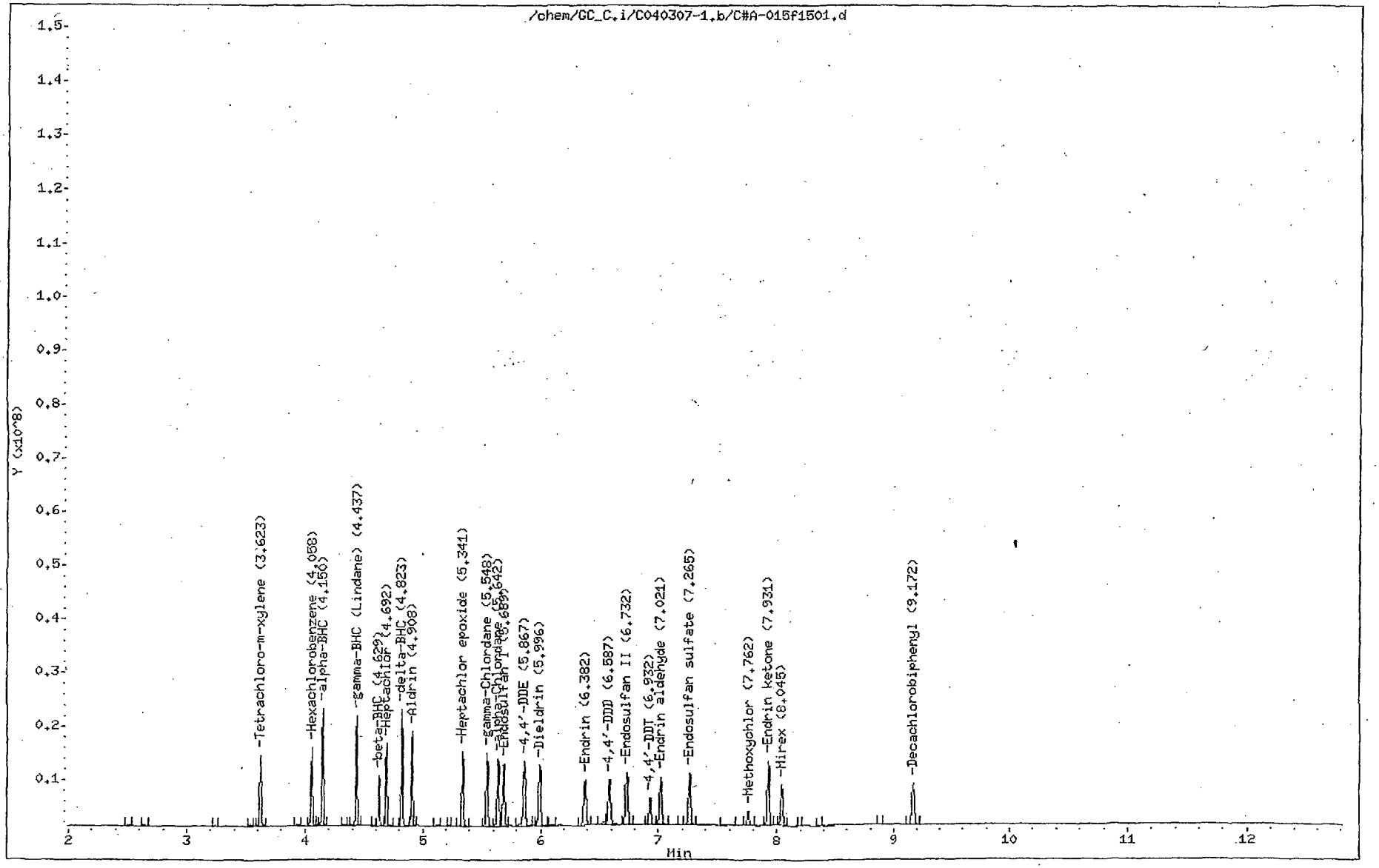
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.623	3.623	0.000	12427613	10.0000	10.342
3 Hexachlorobenzene	4.058	4.057	0.001	13156360	10.0000	10.875
4 alpha-BHC	4.150	4.149	0.001	18389142	10.0000	10.290
5 gamma-BHC (Lindane)	4.437	4.436	0.001	17278890	10.0000	10.312
7 beta-BHC	4.629	4.629	0.000	7576382	10.0000	10.311
8 Heptachlor	4.692	4.691	0.001	13371843	10.0000	10.337
9 delta-BHC	4.823	4.823	0.000	18260472	10.0000	10.408
10 Aldrin	4.908	4.908	0.000	15634270	10.0000	10.476
13 Heptachlor epoxide	5.341	5.339	0.002	14487568	10.0000	10.469
14 gamma-Chlordane	5.548	5.548	0.000	14995176	10.0000	10.356
17 alpha-Chlordane	5.642	5.640	0.002	14590695	10.0000	10.392
18 Endosulfan I	5.689	5.689	0.000	13938281	10.0000	10.395
19 4,4'-DDE	5.867	5.866	0.001	15669558	10.0000	10.456
20 Dieldrin	5.996	5.995	0.001	15150863	10.0000	10.375
23 Endrin	6.382	6.379	0.003	12943355	10.0000	10.056
26 4,4'-DDD	6.587	6.586	0.001	14421197	10.0000	10.540
27 Endosulfan II	6.732	6.731	0.001	14573297	10.0000	10.187
28 4,4'-DDT	6.932	6.930	0.002	6889669	10.0000	10.020
29 Endrin aldehyde	7.021	7.019	0.002	12513473	10.0000	10.665
30 Endosulfan sulfate	7.265	7.264	0.001	13238451	10.0000	10.229
31 Methoxychlor	7.762	7.759	0.003	3439838	10.0000	9.7203
32 Endrin ketone	7.931	7.929	0.002	15070639	10.0000	10.212
33 Mirex	8.045	8.044	0.001	10303065	10.0000	10.438
$ 34 Decachlorobiphenyl	9.172	9.169	0.003	11971587	10.0000	10.548

Data File: /chem/GC_C.i/C040307-1.b/C#A-015f1501.d
Date : 03-APR-2007 21:15
Client ID:
Sample Info: AB L2 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-016f1601.d
Report Date: 06-Apr-2007 14:15

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-016f1601.d
Lab Smp Id: AB L1 GSV019707
Inj Date : 03-APR-2007 21:31
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L1 GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:15 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.623	3.623	0.000	5156607	4.00000	3.9389
3 Hexachlorobenzene	4.058	4.057	0.001	5542561	5.00000	4.5816
4 alpha-BHC	4.150	4.149	0.001	7313764	4.00000	4.0927
5 gamma-BHC (Lindane)	4.436	4.436	0.000	7001102	4.00000	4.1782
7 beta-BHC	4.629	4.629	0.000	3216814	4.00000	3.9465
8 Heptachlor	4.691	4.691	0.000	5475967	4.00000	4.2332
9 delta-BHC	4.823	4.823	0.000	7441737	4.00000	4.2418
10 Aldrin	4.909	4.908	0.001	6393875	4.00000	4.2842
13 Heptachlor epoxide	5.340	5.339	0.001	5979199	4.00000	3.9209
14 gamma-Chlordane	5.548	5.548	0.000	6134175	4.00000	4.2363
17 alpha-Chlordane	5.641	5.640	0.001	6010664	4.00000	4.2812
18 Endosulfan I	5.689	5.689	0.000	5772180	4.00000	3.9275
19 4,4'-DDE	5.866	5.866	0.000	6655408	4.00000	3.9208
20 Dieldrin	5.996	5.995	0.001	6190757	4.00000	3.9307
23 Endrin	6.380	6.379	0.001	5275606	4.00000	4.0986
26 4,4'-DDD	6.588	6.586	0.002	5978877	4.00000	3.9077
27 Endosulfan II	6.731	6.731	0.000	6277633	4.00000	3.6958
28 4,4'-DDT	6.932	6.930	0.002	2615811	4.00000	4.0649
29 Endrin aldehyde	7.020	7.019	0.001	5187069	4.00000	3.6012
30 Endosulfan sulfate	7.265	7.264	0.001	5547128	4.00000	3.8158
31 Methoxychlor	7.760	7.759	0.001	1395324	4.00000	3.9429
32 Endrin ketone	7.930	7.929	0.001	6304644	4.00000	3.7399
33 Mirex	8.045	8.044	0.001	4525482	4.00000	3.9228
$ 34 Decachlorobiphenyl	9.172	9.169	0.003	5163612	4.00000	3.9114

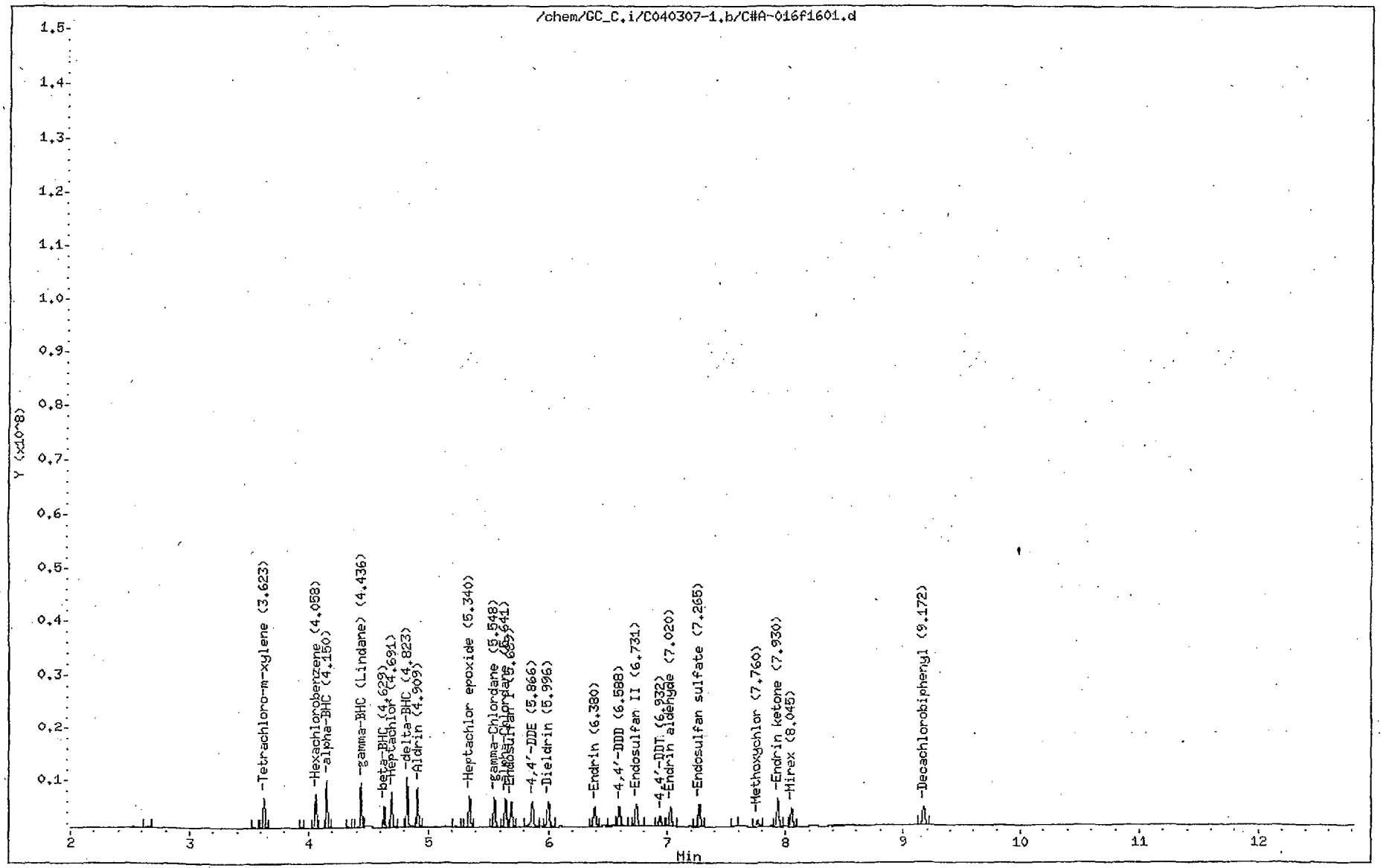
657

Data File: /chem/GC_C.i/C040307-1.b/C#A-016f1601.d
Date : 03-APR-2007 21:31
Client ID:
Sample Info: AB L1 GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-017f1701.d
Report Date: 06-Apr-2007 14:15

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-017f1701.d
Lab Smp Id: AB SS GSV019707
Inj Date : 03-APR-2007 21:47
Operator : Michael Inst ID: GC_C.i
Smp Info : AB SS GSV019707
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:15 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

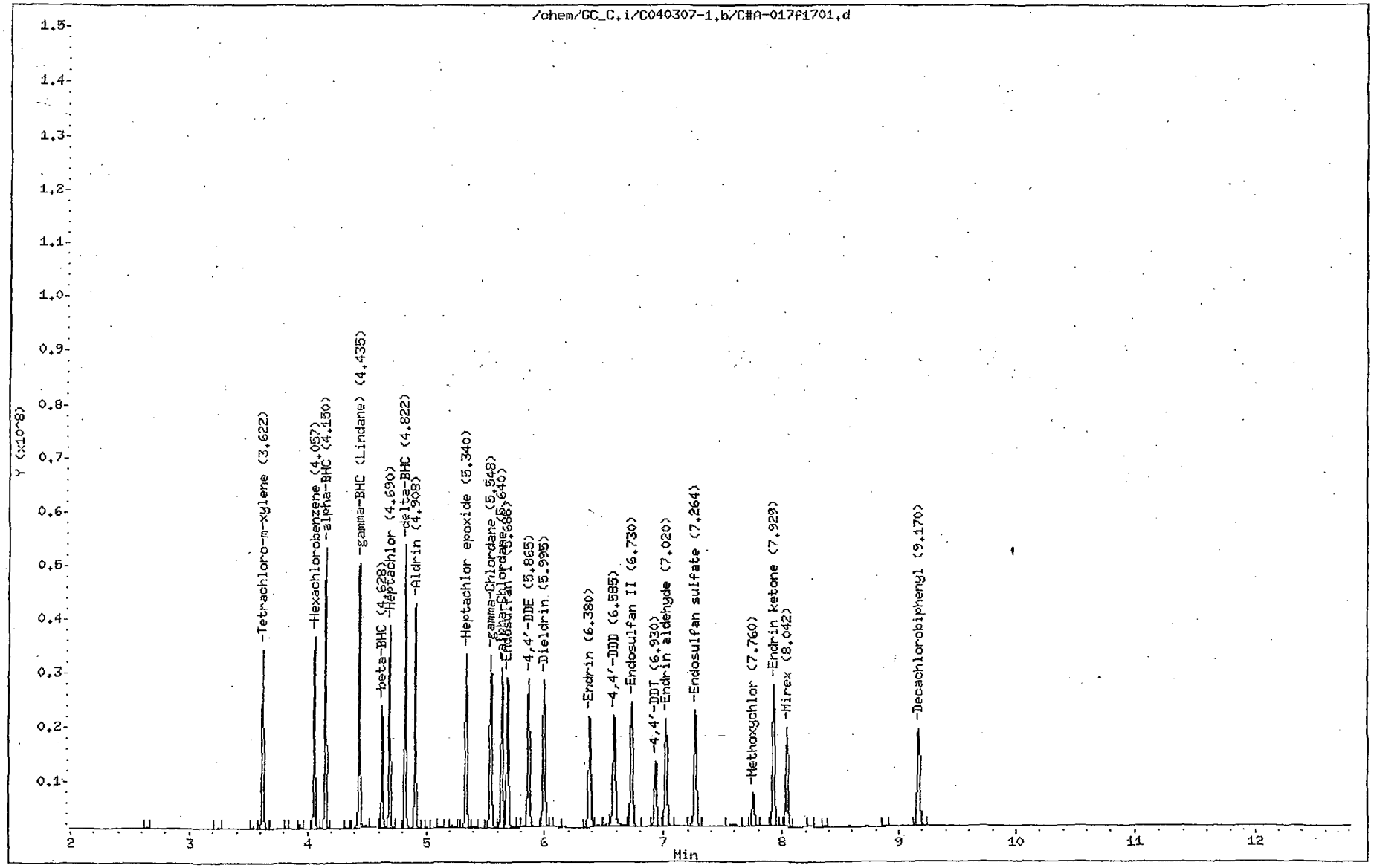
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	3.622	3.623	-0.001	31054041	25.0000	26.746
3 Hexachlorobenzene	4.057	4.057	0.000	31242465	25.0000	25.826
4 alpha-BHC	4.150	4.149	0.001	44332590	25.0000	24.808
5 gamma-BHC (Lindane)	4.435	4.436	-0.001	41986206	25.0000	25.057
7 beta-BHC	4.628	4.629	-0.001	17838304	25.0000	25.293
8 Heptachlor	4.690	4.691	-0.001	32088301	25.0000	24.806
9 delta-BHC	4.822	4.823	-0.001	41573635	25.0000	23.697
10 Aldrin	4.908	4.908	0.000	37016477	25.0000	24.802
13 Heptachlor epoxide	5.340	5.339	0.001	33841994	25.0000	25.365
14 gamma-Chlordane	5.548	5.548	0.000	35745865	25.0000	24.686
17 alpha-Chlordane	5.640	5.640	0.000	34468687	25.0000	24.551
18 Endosulfan I	5.688	5.689	-0.001	32618925	25.0000	25.191
19 4,4'-DDE	5.865	5.866	-0.001	35627800	25.0000	24.924
20 Dieldrin	5.995	5.995	0.000	36260407	25.0000	25.558
23 Endrin	6.380	6.379	0.001	30651360	25.0000	23.813
26 4,4'-DDD	6.585	6.586	-0.001	32998006	25.0000	25.134
27 Endosulfan II	6.730	6.731	-0.001	32831903	25.0000	24.659
28 4,4'-DDT	6.930	6.930	0.000	16915789	25.0000	23.679
29 Endrin aldehyde	7.020	7.019	0.001	27396715	25.0000	25.016
30 Endosulfan sulfate	7.264	7.264	0.000	30633832	25.0000	24.984
31 Methoxychlor	7.760	7.759	0.001	8101052	25.0000	22.892
32 Endrin ketone	7.929	7.929	0.000	33308496	25.0000	23.924
33 Mirex	8.042	8.044	-0.002	23815360	25.0000	25.675
$ 34 Decachlorobiphenyl	9.170	9.169	0.001	27656467	25.0000	25.839

Data File: /chem/GC_C.i/C040307-1.b/C#A-017f1701.d
Date : 03-APR-2007 21:47
Client ID:
Sample Info: AB SS GSV019707

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-018f1801.d
Report Date: 06-Apr-2007 14:26

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-018f1801.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 03-APR-2007 22:03
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:25 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
11 Toxaphene					CAS #: 8001-35-2		
5.412	5.412	0.000	1186060	200.000	200.00	80.00- 120.00	100.00(qM)
5.691	5.691	0.000	1015931	200.000	200.00	123.37- 185.06	85.66
6.490	6.490	0.000	4059810	200.000	200.00	390.80- 586.20	342.29
6.856	6.856	0.000	4266514	200.000	200.00	634.47- 951.71	359.72
8.421	8.421	0.000	758219	200.000	200.00	68.75- 103.13	63.93

Average of Peak Amounts = 200

QC Flag Legend

M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: /chem/GC_C.i/C040307-2.b/C#B-018f1801.d
Date : 03-APR-2007 22:03
Client ID:
Sample Info: TOX L1 GSV119006

Column phase: CLP-PEST I

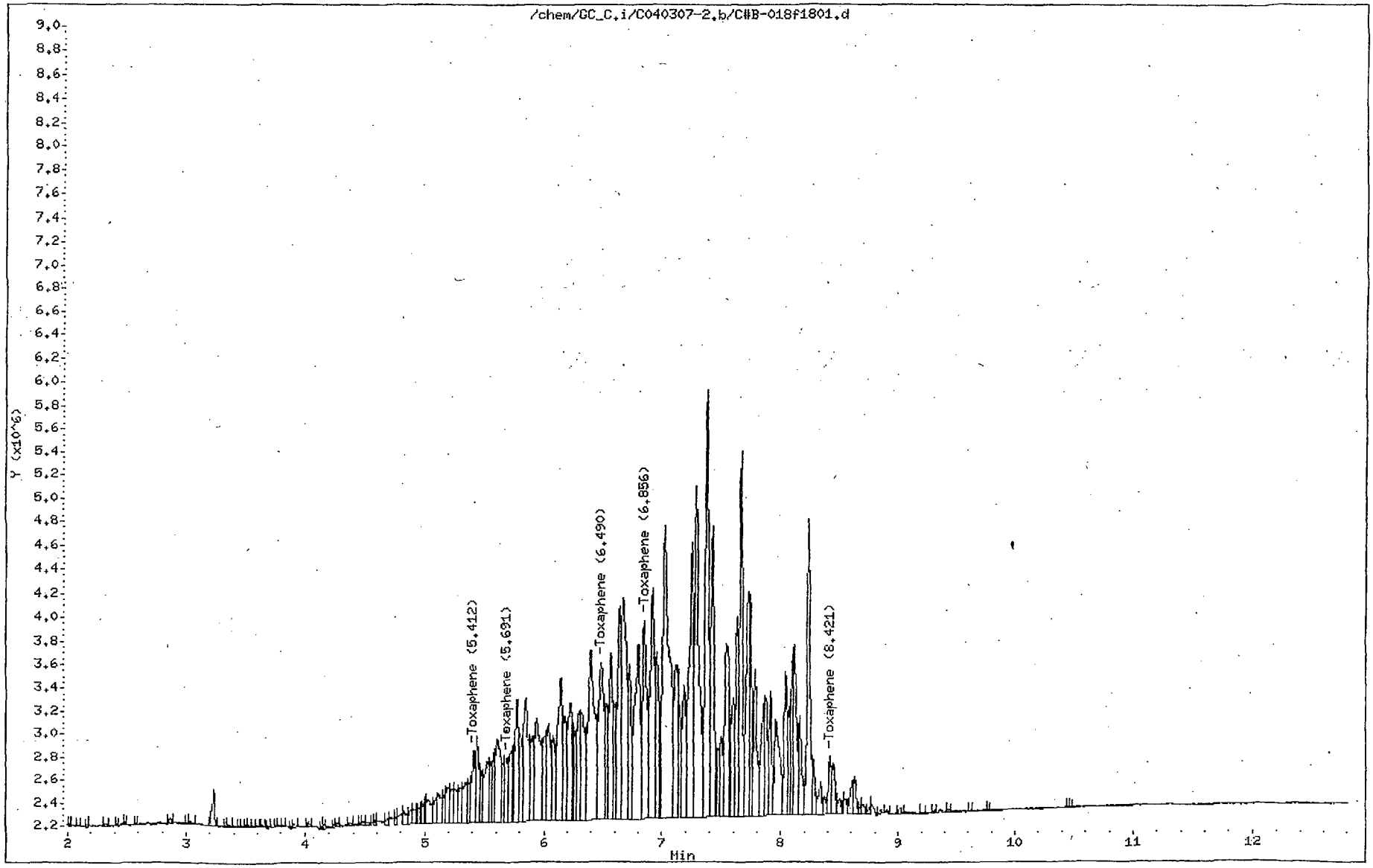
Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

MPK 4/6/07

BAS - Baseline Event

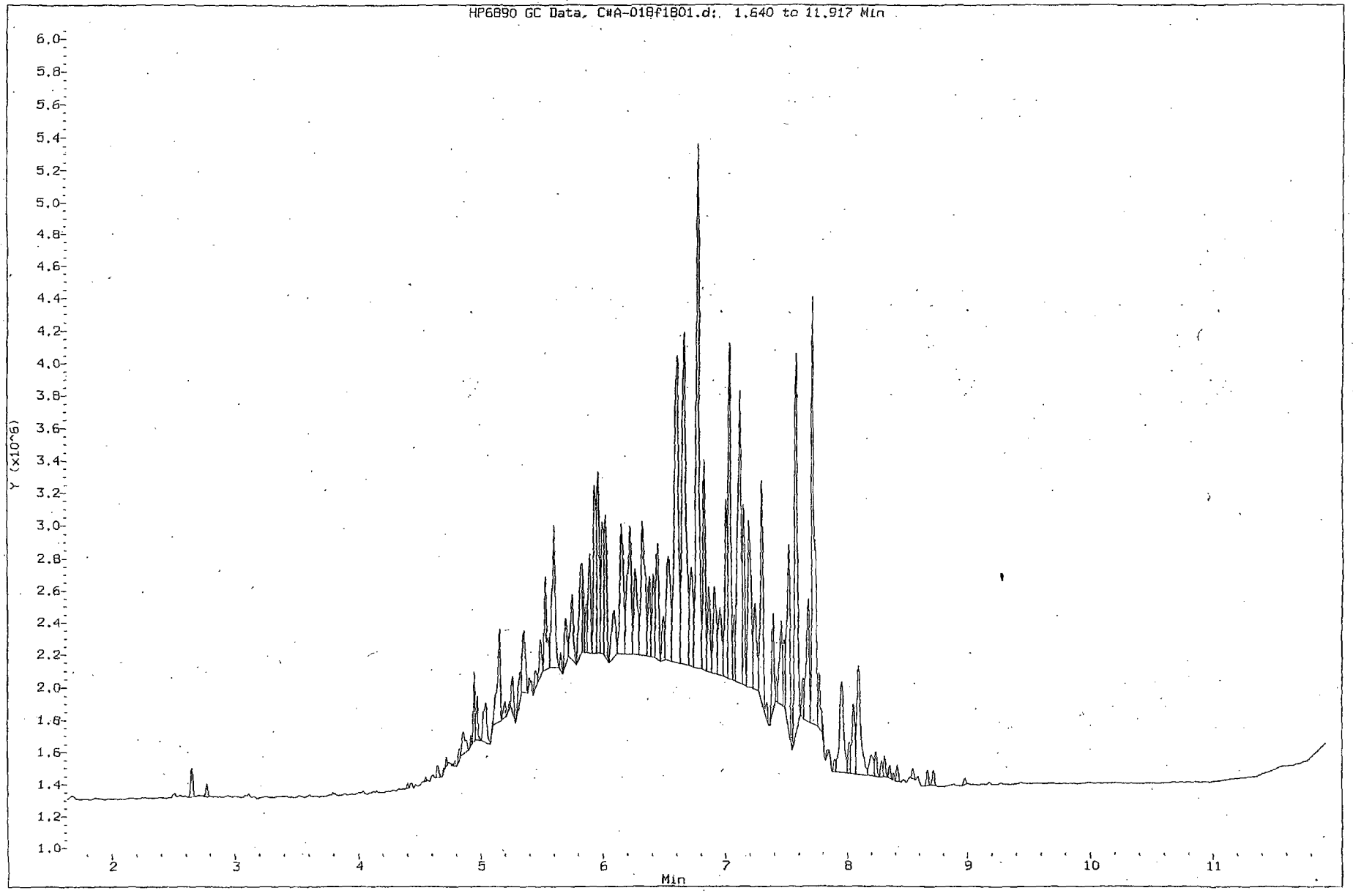
CL 4/6/07



662

ORIGINAL

Data File: /chem/GC_C.i/C040307-1.b/C#A-018f1801.d
Injection Date: 03-APR-2007 22:03
Instrument: GC_C.i
Client Sample ID:



Data File: /chem/GC_C.i/C040307-2.b/C#B-019f1901.d Page 1
Report Date: 06-Apr-2007 14:26

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-019f1901.d
Lab Smp Id: TOX SS GSV119006
Inj Date : 03-APR-2007 22:19
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX SS GSV119006
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:26 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 19 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
11 Toxaphene					CAS #: 8001-35-2		
5.410	5.412	-0.002	775035	200.000	130.69	80.00- 120.00	100.00(M)
5.686	5.691	-0.005	1195233	200.000	235.30	123.37- 185.06	154.22
6.486	6.490	-0.004	3786034	200.000	186.51	390.80- 586.20	488.50
6.856	6.856	0.000	6146731	200.000	288.14	634.47- 951.71	793.09
8.417	8.421	-0.004	666076	200.000	175.69	68.75- 103.13	85.94
		Average of Peak Amounts =			203		

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/GC_C.i/C040307-2.b/C#B-019f1901.d
Date : 03-APR-2007 22:19
Client ID:
Sample Info: TOX SS GSV119006

Column phase: CLP-PEST I

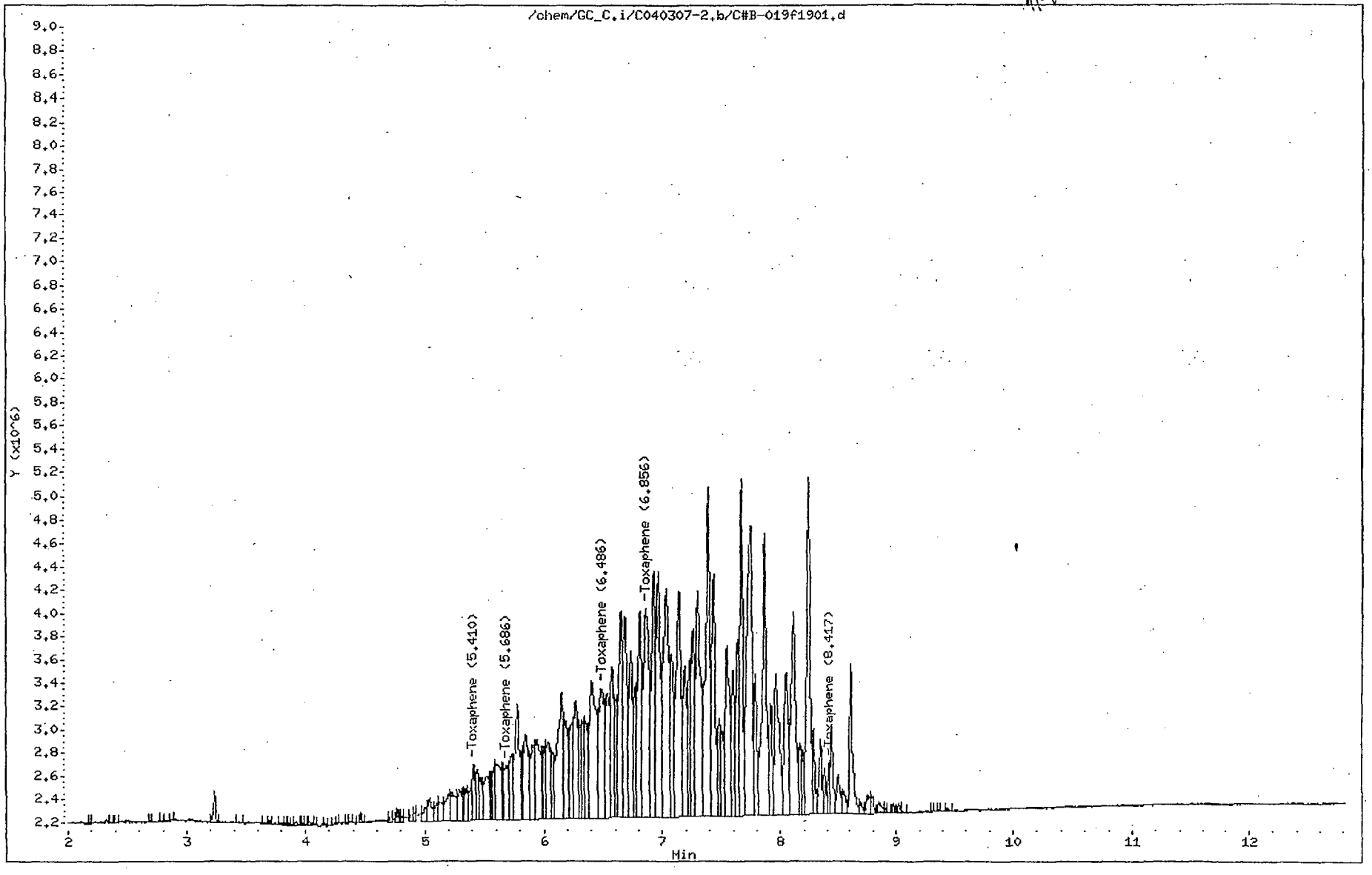
Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

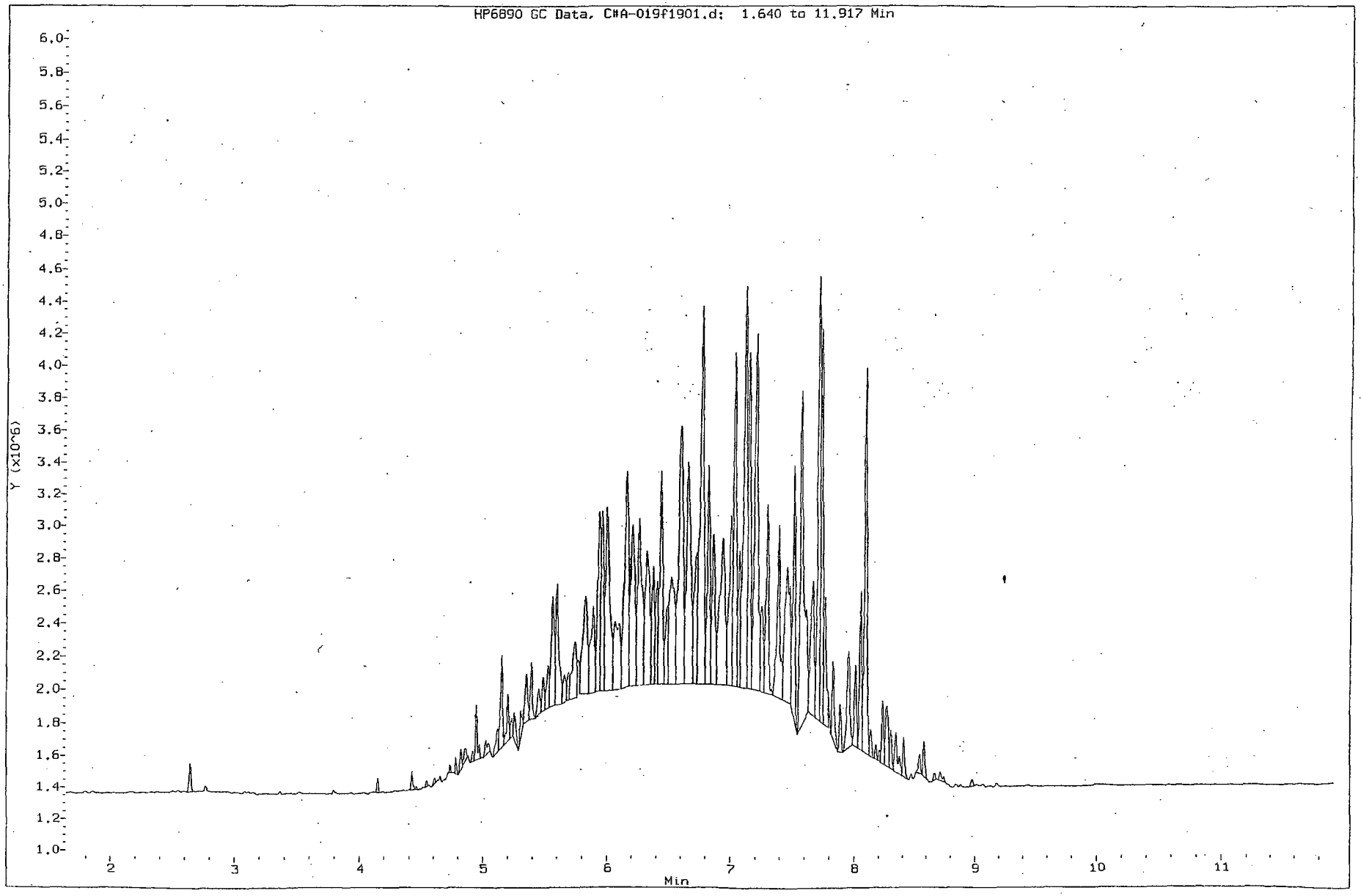
MPK 4/6/07

CL 4/6/07



Data File: /chem/GC_C.i/C040307-1.b/C#A-019f1901.d
Injection Date: 03-APR-2007 22:19
Instrument: GC_C.i
Client Sample ID:

ORIGINAL



Data File: /chem/GC_C.i/C040307-2.b/C#B-020f2001.d
Report Date: 06-Apr-2007 14:26

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-020f2001.d
Lab Smp Id: CHL L1 GSV119006
Inj Date : 03-APR-2007 22:35
Operator : Michael Inst ID: GC_C.i
Smp Info : CHL L1 GSV119006
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:26 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 20 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-CHLORDANE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
7 Technical Chlordane					CAS #: 57-74-9		
4.996	4.996	0.000	11952506	100.000	100.00	80.00- 120.00	100.00
6.267	6.267	0.000	37373392	100.000	100.00	250.15- 375.22	312.68
6.327	6.327	0.000	27971931	100.000	100.00	187.22- 280.83	234.03
6.393	6.393	0.000	18773619	100.000	100.00	125.65- 188.48	157.07
7.375	7.375	0.000	7128057	100.000	100.00	47.71- 71.56	59.64

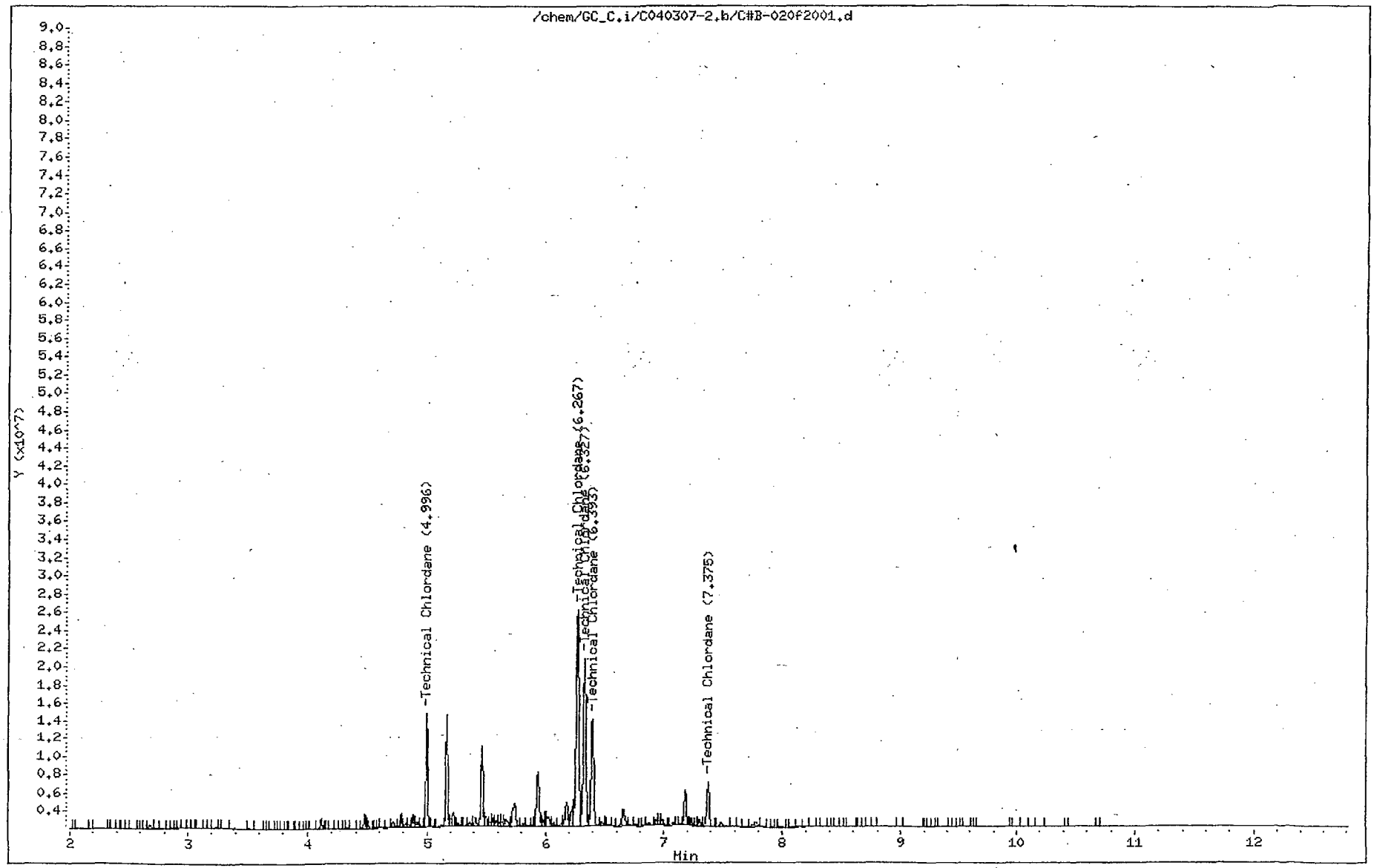
Average of Peak Amounts = 100

Data File: /chem/GC_C.i/C040307-2.b/C#B-020f2001.d
Date : 03-APR-2007 22:35
Client ID:
Sample Info: CHL L1 GSV119006

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-002f0201.d
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-002f0201.d
Lab Smp Id: EVAL B
Inj Date : 03-APR-2007 17:28
Operator : Michael Inst ID: GC_C.i
Smp Info : EVAL B
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALB.sub
Target Version: 3.50
Processing Host: chemsv04

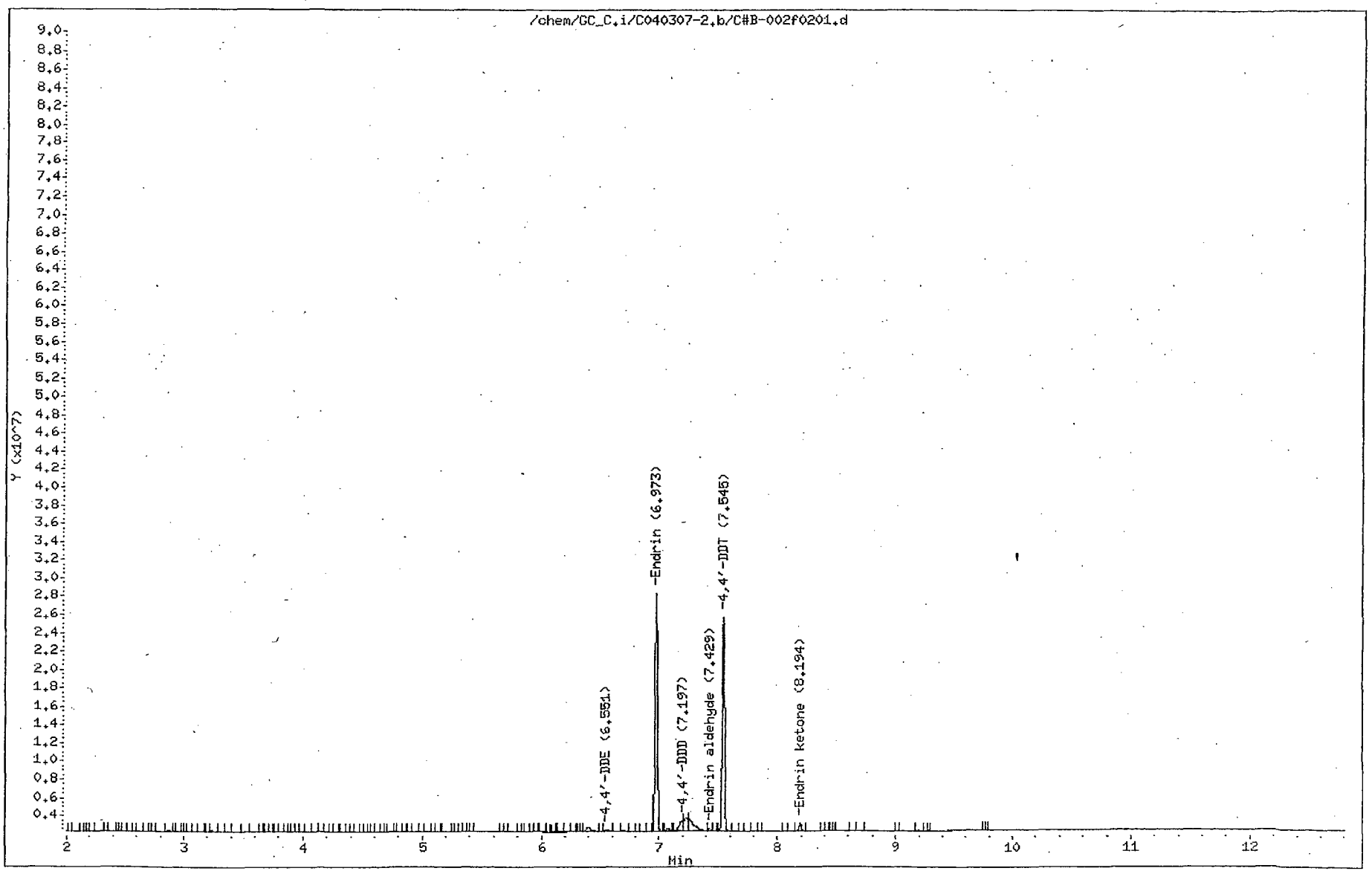
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
24 Endrin	6.973	6.976	-0.003	36527530	25.0000	27.580
30 4,4'-DDT	7.545	7.547	-0.002	30680283	25.0000	44.647
26 4,4'-DDD	7.197	7.193	0.004	2632994	25.0000	1.9700
33 Endrin ketone	8.194	8.195	-0.001	1154335	25.0000	0.87701

Data File: /chem/GC_C.i/C040307-2.b/C#B-002f0201.d
Date : 03-APR-2007 17:28
Client ID:
Sample Info: EVAL B

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-004f0401.d Page 1
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-004f0401.d
Lab Smp Id: AP9 L6 GSV000507
Inj Date : 03-APR-2007 18:17
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L6 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:10 Cal File: C#B-011f1101.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.269	4.268	0.001	335428986	10000.0	9911.3(A)
10 Chlorpyrifos	5.378	5.378	0.000	263795957	500.000	500.29(A)
14 Isodrin	5.763	5.763	0.000	553861896	500.000	500.28(A)
13 Dicofol	5.660	5.661	-0.001	47183206	1000.00	1002.0(A)
16 2,4'-DDE	6.082	6.083	-0.001	87627619	100.000	95.221
21 2,4'-DDD	6.670	6.670	0.000	82527667	100.000	100.12(A)
23 Chlorobenzilate	6.867	6.868	-0.001	77136408	1000.00	1002.4(A)
25 2,4'-DDT	7.045	7.045	0.000	80169159	100.000	96.498
28 Kepone	7.312	7.313	-0.001	141659606	1000.00	996.40(A)
36 DBPP	11.584	11.587	-0.003	250844932	5000.00	4999.2

QC Flag Legend

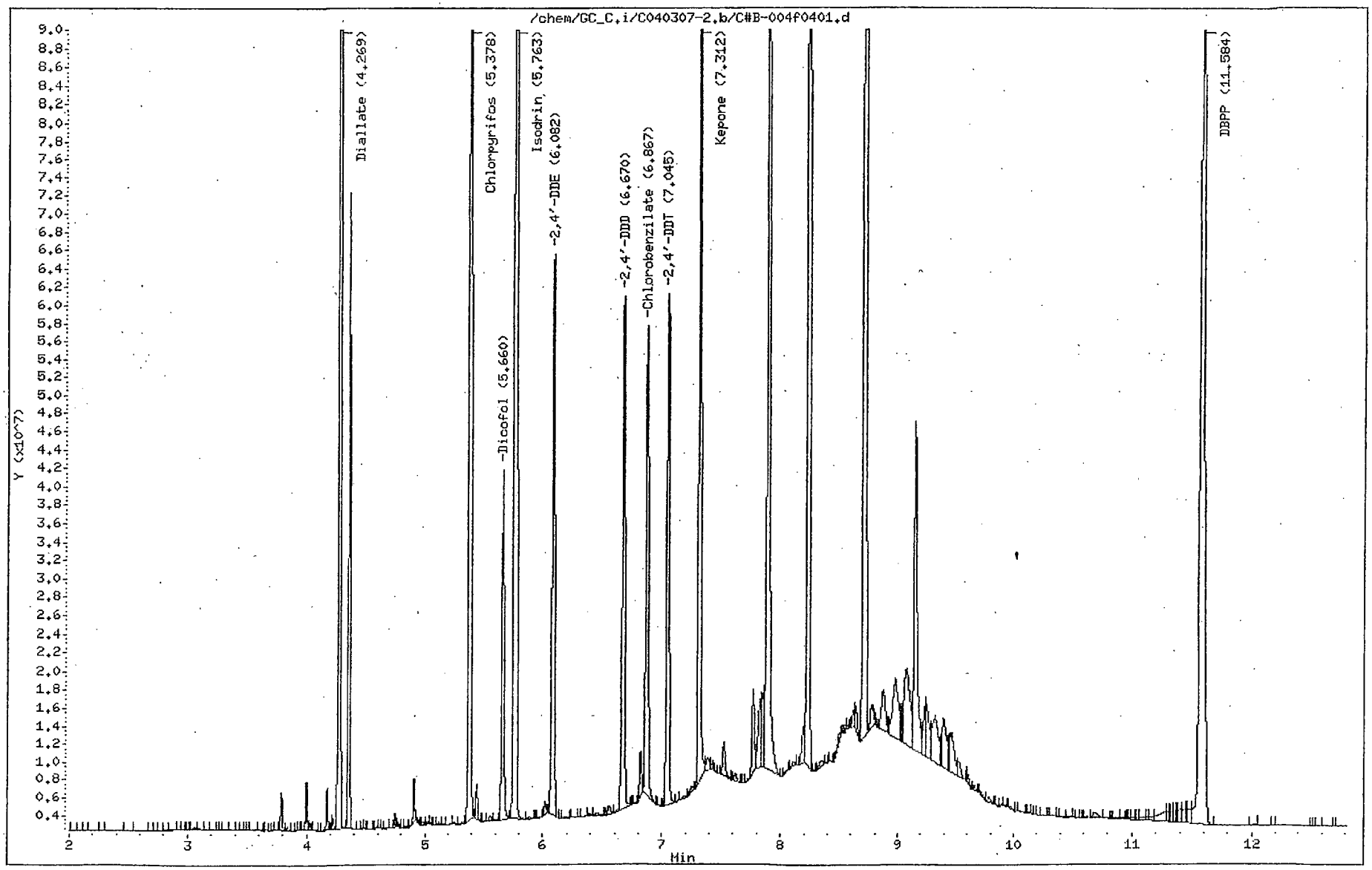
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-2.b/C#B-004f0401.d
Date : 03-APR-2007 18:17
Client ID:
Sample Info: AP9 L6 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-005f0501.d Page 1
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-005f0501.d
Lab Smp Id: AP9 L5 GSV000507
Inj Date : 03-APR-2007 18:33
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L5 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:26 Cal File: C#B-012f1201.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.268	0.000	170068987	5000.00	4965.6(A)
10 Chlorpyrifos	5.379	5.378	0.001	142740169	250.000	248.11
14 Isodrin	5.763	5.763	0.000	303153896	250.000	248.24
13 Dicofol	5.660	5.661	-0.001	29298106	500.000	492.70
16 2,4'-DDE	6.083	6.083	0.000	46643432	50.0000	50.490
21 2,4'-DDD	6.670	6.670	0.000	43000041	50.0000	49.137
23 Chlorobenzilate	6.869	6.868	0.001	44399526	500.000	489.12(A)
25 2,4'-DDT	7.045	7.045	0.000	41184492	50.0000	49.198
28 Kepone	7.314	7.313	0.001	53119477	500.000	529.52(A)
36 DBPP	11.585	11.587	-0.002	44720599	2500.00	2530.2

QC Flag Legend

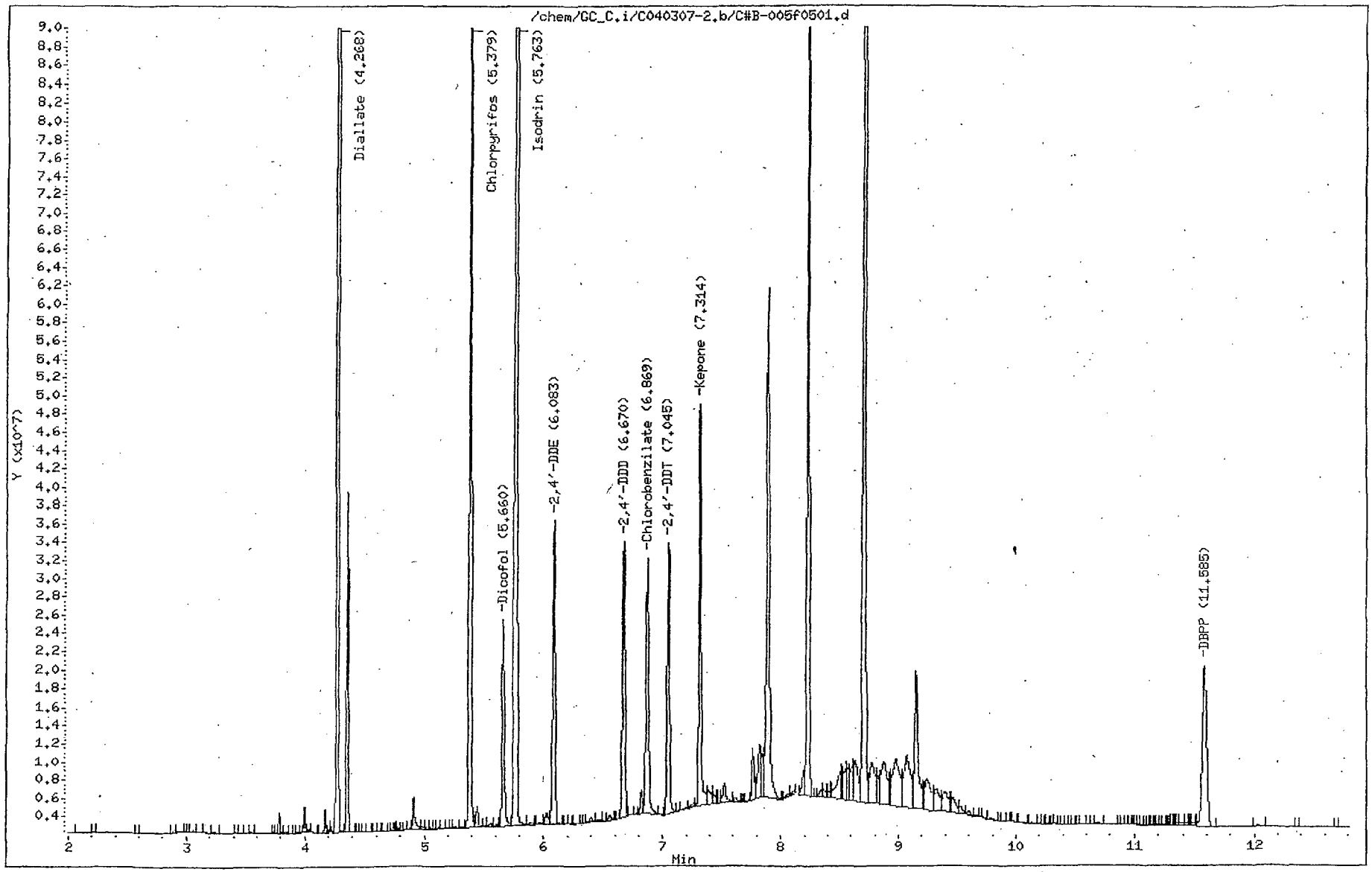
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-2.b/C#B-005f0501.d
Date : 03-APR-2007 18:33
Client ID:
Sample Info: AP9 L5 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-006f0601.d
Report Date: 06-Apr-2007 14:18

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-006f0601.d
Lab Smp Id: AP9 L4 GSV000507
Inj Date : 03-APR-2007 18:49
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L4 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:18 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.268	0.000	122147286	3500.00	3532.3 (A)
10 Chlorpyrifos	5.378	5.378	0.000	104790916	175.000	175.87
14 Isodrin	5.763	5.763	0.000	222788237	175.000	175.88
13 Dicofol	5.661	5.661	0.000	21621499	350.000	319.65
16 2,4'-DDE	6.083	6.083	0.000	32992546	35.0000	35.591
21 2,4'-DDD	6.670	6.670	0.000	31460205	35.0000	35.182
23 Chlorobenzilate	6.868	6.868	0.000	32755146	350.000	334.85 (A)
25 2,4'-DDT	7.045	7.045	0.000	29193488	35.0000	34.650
28 Kepone	7.313	7.313	0.000	13056014	350.000	213.25
36 DBPP	11.587	11.587	0.000	9101051	1750.00	1576.2

QC Flag Legend

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

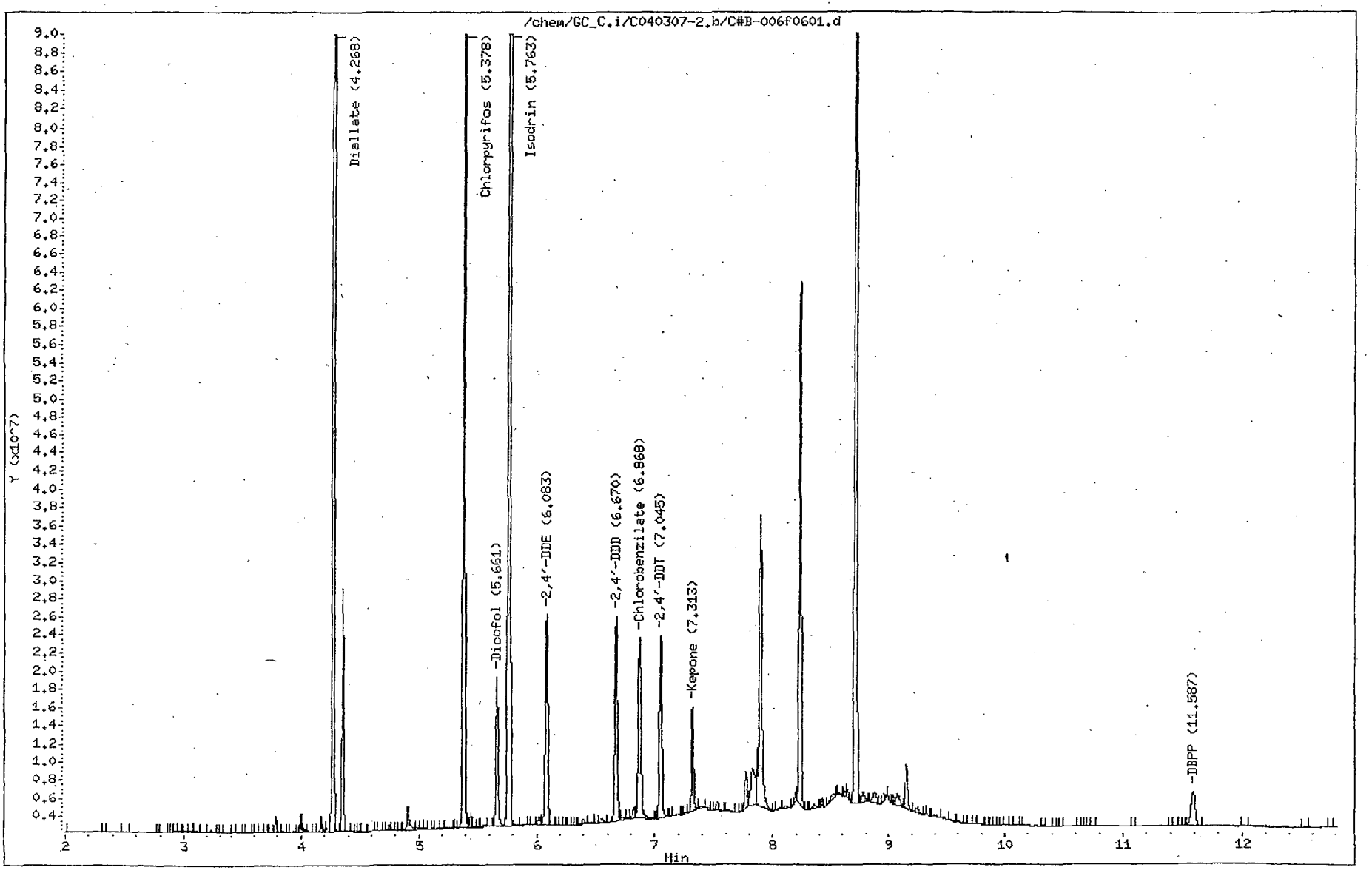
675

Data File: /chem/GC_C.i/C040307-2.b/C#B-006f0601.d
Date : 03-APR-2007 18:49
Client ID:
Sample Info: AP9 L4 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-007f0701.d Page 1
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-007f0701.d
Lab Smp Id: AP9 L3 GSV000507
Inj Date : 03-APR-2007 19:05
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L3 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:58 Cal File: C#B-014f1401.d
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.268	0.000	88033025	2500.00	2512.0(A)
10 Chlorpyrifos	5.379	5.378	0.001	77769465	125.000	126.41
14 Isodrin	5.764	5.763	0.001	164830043	125.000	126.24
13 Dicofol	5.660	5.661	-0.001	20147659	250.000	289.55
16 2,4'-DDE	6.083	6.083	0.000	24004719	25.0000	25.781
21 2,4'-DDD	6.670	6.670	0.000	23725660	25.0000	26.065
23 Chlorobenzilate	6.869	6.868	0.001	28322353	250.000	280.03(A)
25 2,4'-DDT	7.046	7.045	0.001	22943617	25.0000	27.067
28 Kepone	7.314	7.313	0.001	20611290	250.000	277.90(A)
36 DBPP	11.588	11.587	0.001	2906589	1250.00	1394.4

QC Flag Legend

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

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Data File: /chem/GC_C.i/C040307-2.b/C#B-007f0701.d

Date : 03-APR-2007 19:05

Client ID:

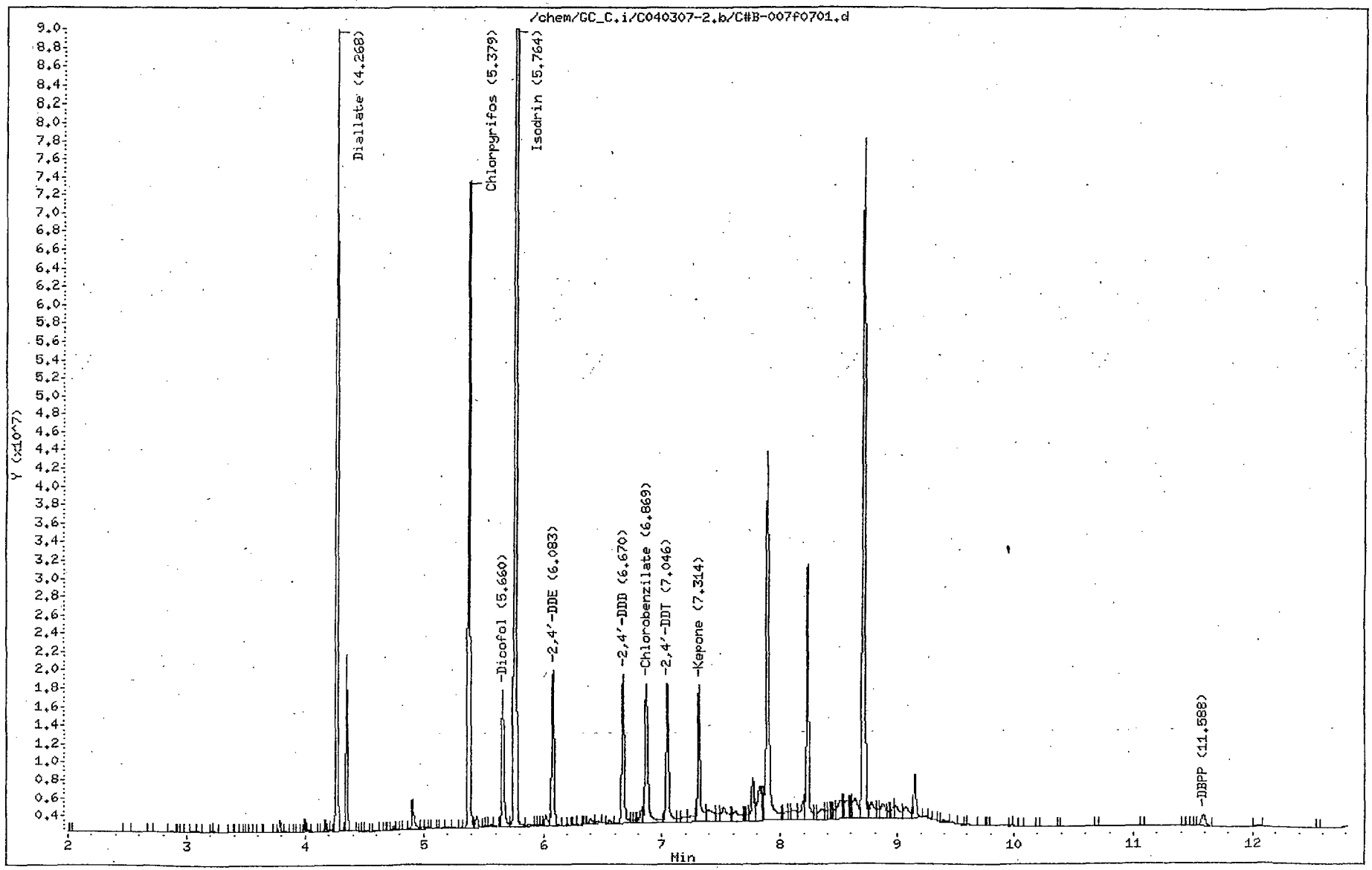
Sample Info: AP9 L3 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-008f0801.d Page 1
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-008f0801.d
Lab Smp Id: AP9 L2 GSV000507
Inj Date : 03-APR-2007 19:22
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L2 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.268	0.000	37654091	1000.00	1005.2(A)
10 Chlorpyrifos	5.379	5.378	0.001	34277140	50.0000	50.259
14 Isodrin	5.764	5.763	0.001	70570944	50.0000	50.058
13 Dicofol	5.662	5.661	0.001	9342952	100.000	99.746
16 2,4'-DDE	6.084	6.083	0.001	9422941	10.0000	9.8661
21 2,4'-DDD	6.670	6.670	0.000	9343584	10.0000	9.6148
23 Chlorobenzilate	6.870	6.868	0.002	12132315	100.000	98.055
25 2,4'-DDT	7.046	7.045	0.001	8548314	10.0000	9.6012
28 Kepone	7.316	7.313	0.003	3285853	100.000	126.20
36 DBPP	Compound Not Detected.					

QC Flag Legend

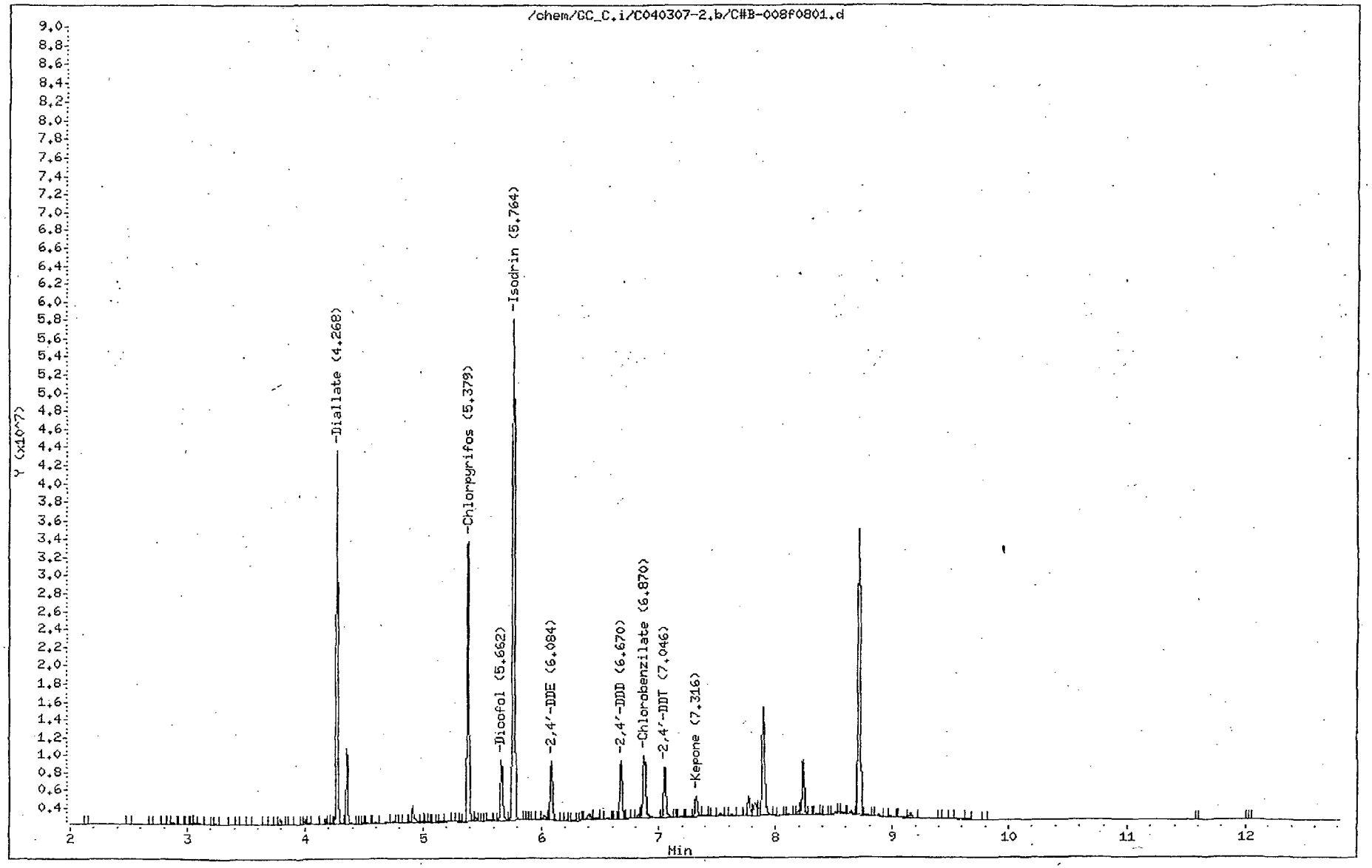
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-2.b/C#B-008f0801.d
Date : 03-APR-2007 19:22
Client ID:
Sample Info: AP9 L2 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-009f0901.d
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-009f0901.d
Lab Smp Id: AP9 L1 GSV000507
Inj Date : 03-APR-2007 19:38
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 L1 GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 21:31 Cal File: C#B-016f1601.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.268	4.268	0.000	20699809	500.000	498.12(A)
10 Chlorpyrifos	5.379	5.378	0.001	18718300	25.0000	24.055
14 Isodrin	5.764	5.763	0.001	37015378	25.0000	24.295
13 Dicofol	5.661	5.661	0.000	5575929	50.0000	46.315
16 2,4'-DDE	6.084	6.083	0.001	4961937	5.00000	4.9972
21 2,4'-DDD	6.670	6.670	0.000	5090452	5.00000	4.8752
23 Chlorobenzilate	6.870	6.868	0.002	6919299	50.0000	45.570
25 2,4'-DDT	7.047	7.045	0.002	4789739	5.00000	5.0409
28 Kepone	7.317	7.313	0.004	1157275	50.0000	106.72
36 DBPP	Compound Not Detected.					

QC Flag Legend

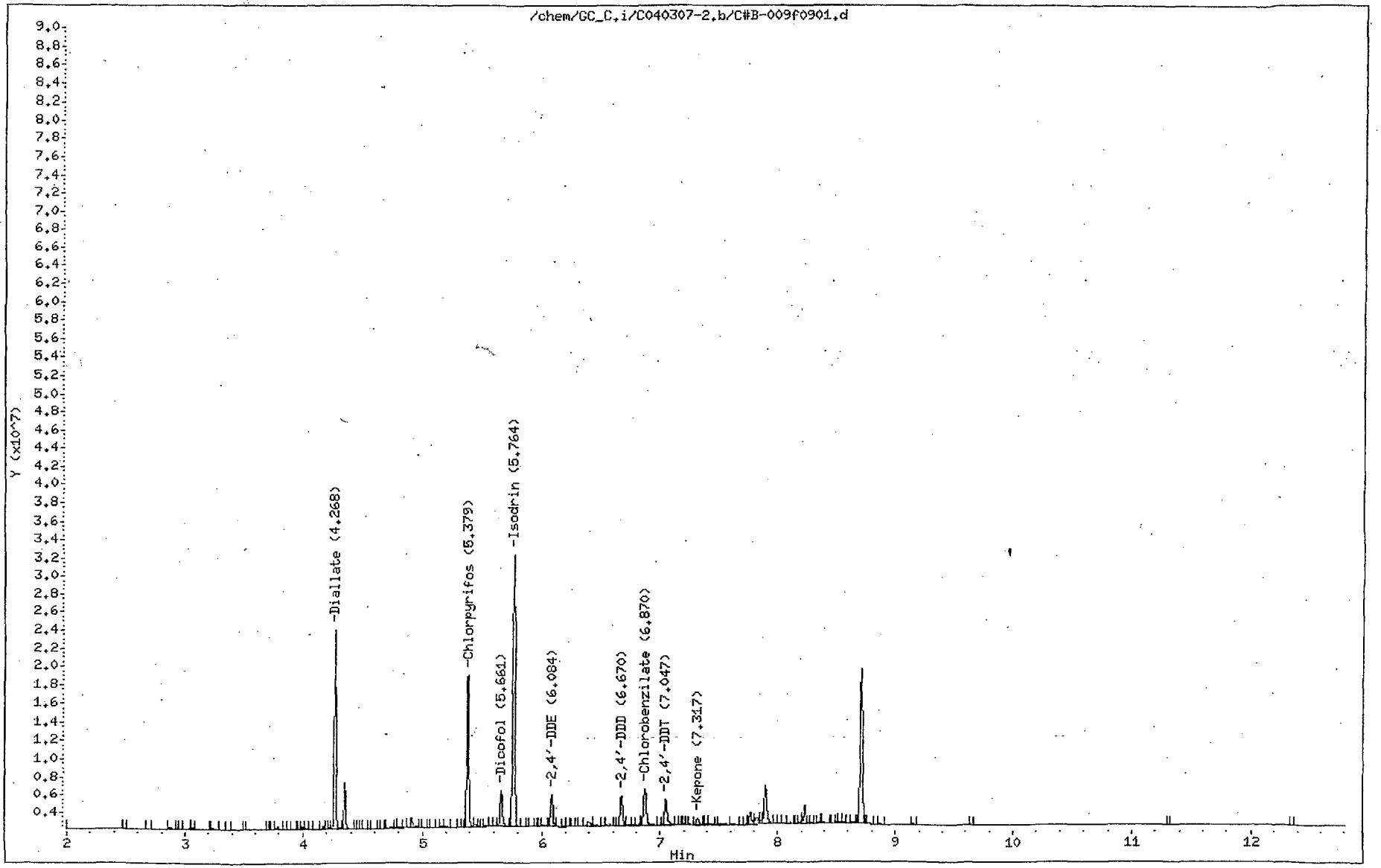
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-2.b/C#B-009f0901.d
Date : 03-APR-2007 19:38
Client ID:
Sample Info: AP9 L1 GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-010f1001.d Page 1
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-010f1001.d
Lab Smp Id: AP9 SS GSV000507
Inj Date : 03-APR-2007 19:54
Operator : Michael Inst ID: GC_C.i
Smp Info : AP9 SS GSV000507
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 21:31 Cal File: C#B-016f1601.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AP9.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
2 Diallate	4.269	4.268	0.001	90322982	2500.00	2580.5(A)
10 Chlorpyrifos	5.379	5.378	0.001	78832853	125.000	128.32
14 Isodrin	5.764	5.763	0.001	159239824	125.000	121.57
13 Dicofol	5.662	5.661	0.001	35196555	250.000	644.26
16 2,4'-DDE	6.084	6.083	0.001	22723656	25.0000	24.383
21 2,4'-DDD	6.672	6.670	0.002	23980207	25.0000	26.362
23 Chlorobenzilate	6.868	6.868	0.000	25661229	250.000	248.14(A)
25 2,4'-DDT	7.046	7.045	0.001	21478898	25.0000	25.290
28 Kepone	7.314	7.313	0.001	50109007	250.000	508.03(A)
36 DBPP	11.588	11.587	0.001	5252794	1250.00	1463.8

QC Flag Legend

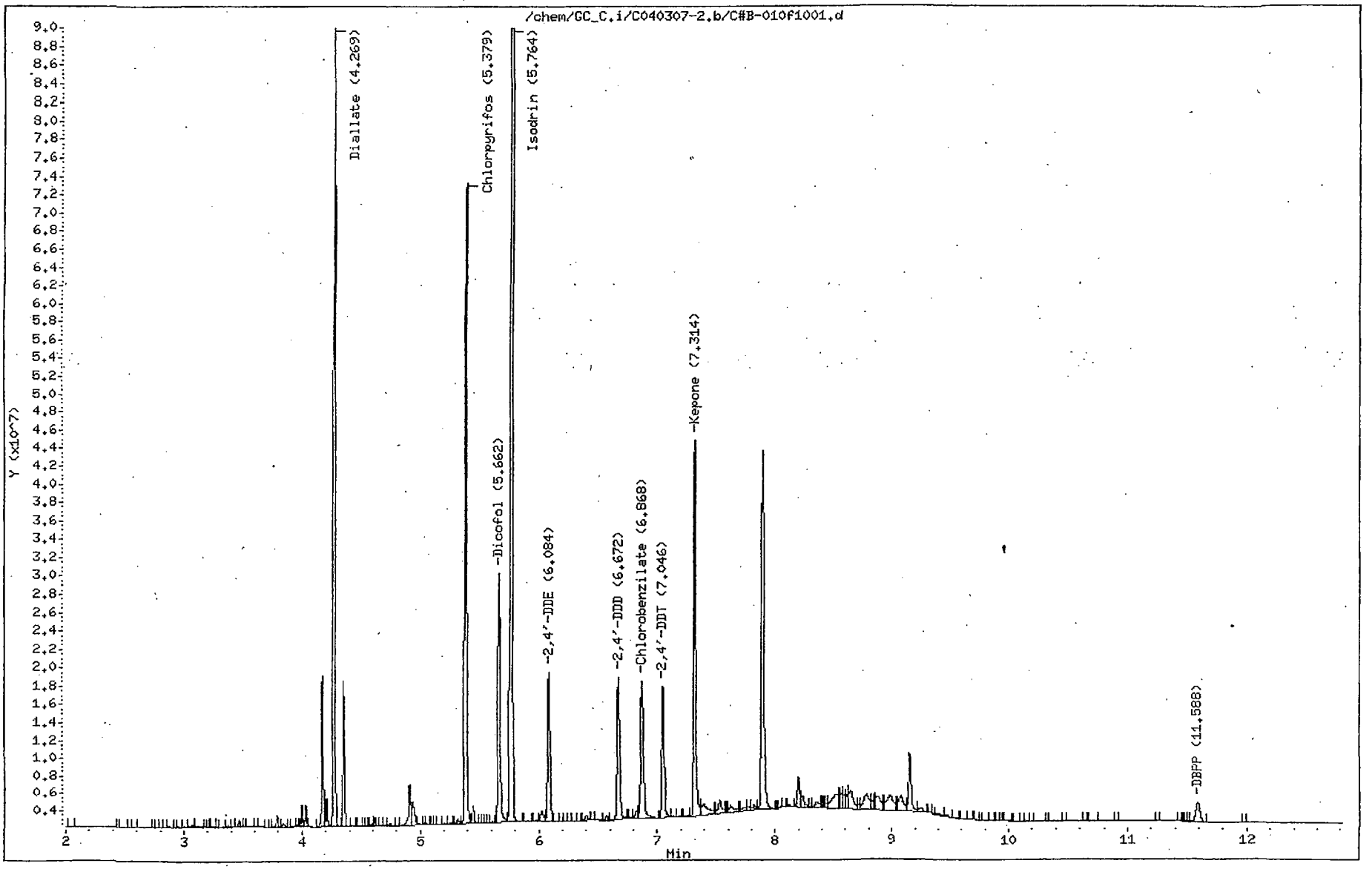
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-2.b/C#B-010f1001.d
Date : 03-APR-2007 19:54
Client ID:
Sample Info: AP9 SS GSV000507

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-011f1101.d
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-011f1101.d
Lab Smp Id: AB L6 GSV019707
Inj Date : 03-APR-2007 20:10
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L6 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:10 Cal File: C#B-011f1101.d
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.139	4.139	0.000	114172137	100.000	96.969
3 alpha-BHC	4.466	4.467	-0.001	183419809	100.000	96.853
4 Hexachlorobenzene	4.524	4.524	0.000	128142829	100.000	98.916
5 gamma-BHC (Lindane)	4.713	4.714	-0.001	157073671	100.000	96.382
6 beta-BHC	4.925	4.925	0.000	73767844	100.000	97.138
8 delta-BHC	5.119	5.119	0.000	174886378	100.000	97.061
9 Heptachlor	5.163	5.164	-0.001	139250426	100.000	98.887
12 Aldrin	5.441	5.443	-0.002	152259373	100.000	96.034
15 Heptachlor epoxide	5.885	5.885	0.000	138135981	100.000	95.870
17 gamma-Chlordane	6.264	6.266	-0.002	148086896	100.000	95.114
18 alpha-Chlordane	6.326	6.327	-0.001	142921745	100.000	94.900
19 Endosulfan I	6.368	6.370	-0.002	130054358	100.000	98.657
20 4,4'-DDE	6.551	6.553	-0.002	145821979	100.000	95.775
22 Dieldrin	6.699	6.699	0.000	144223248	100.000	94.934
24 Endrin	6.975	6.976	-0.001	132183380	100.000	99.807
26 4,4'-DDD	7.191	7.193	-0.002	125628833	100.000	93.993
27 Endosulfan II	7.301	7.303	-0.002	126142919	100.000	94.369
29 Endrin aldehyde	7.431	7.431	0.000	102993254	100.000	94.268
30 4,4'-DDT	7.546	7.547	-0.001	76775583	100.000	99.765
31 Endosulfan sulfate	7.756	7.756	0.000	111413299	100.000	96.719
32 Methoxychlor	8.056	8.056	0.000	37978703	100.000	104.74(A)
33 Endrin ketone	8.195	8.195	0.000	124264004	100.000	94.410
34 Mirex	8.709	8.709	0.000	78859351	100.000	96.424
$ 35 Decachlorobiphenyl	9.985	9.987	-0.002	100008455	100.000	97.391

QC Flag Legend

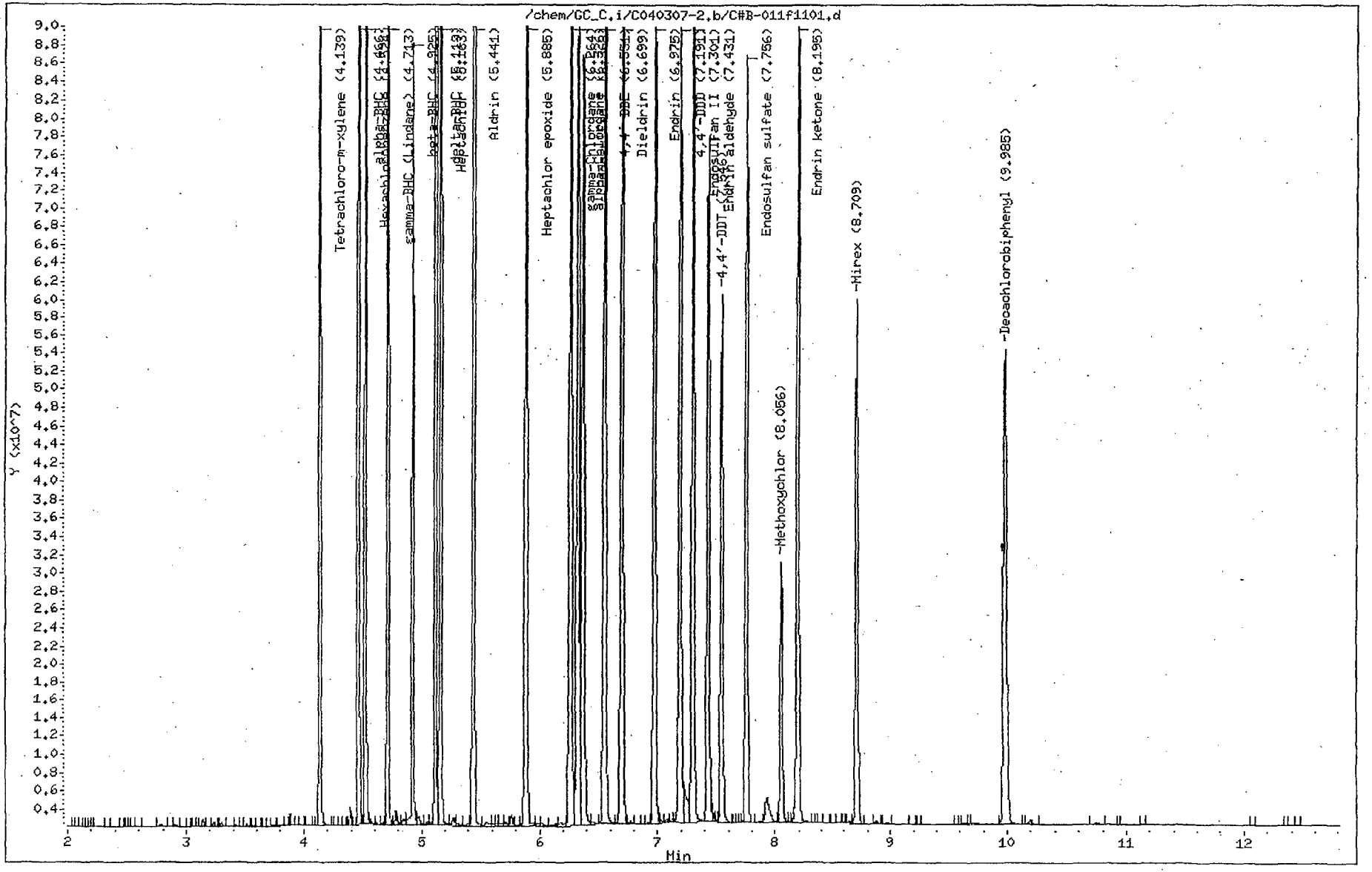
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/GC_C.i/C040307-2.b/C#B-011f1101.d
Date : 03-APR-2007 20:10
Client ID:
Sample Info: AB L6 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-012f1201.d
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-012f1201.d
Lab Smp Id: AB L5 GSV019707
Inj Date : 03-APR-2007 20:26
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L5 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:26 Cal File: C#B-012f1201.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.139	4.139	0.000	87878993	75.0000	74.528
3 alpha-BHC	4.467	4.467	0.000	140551146	75.0000	74.216
4 Hexachlorobenzene	4.523	4.524	-0.001	98576867	75.0000	75.853
5 gamma-BHC (Lindane)	4.712	4.714	-0.002	120323991	75.0000	73.832
6 beta-BHC	4.924	4.925	-0.001	56286597	75.0000	73.960
8 delta-BHC	5.119	5.119	0.000	134166896	75.0000	74.462
9 Heptachlor	5.163	5.164	-0.001	105967766	75.0000	75.252
12 Aldrin	5.442	5.443	-0.001	117416104	75.0000	74.058
15 Heptachlor epoxide	5.885	5.885	0.000	106834610	75.0000	74.005
17 gamma-Chlordane	6.264	6.266	-0.002	113535915	75.0000	72.922
18 alpha-Chlordane	6.326	6.327	-0.001	108856804	75.0000	72.281
19 Endosulfan I	6.367	6.370	-0.003	101229805	75.0000	76.146
20 4,4'-DDE	6.551	6.553	-0.002	111675074	75.0000	73.347
22 Dieldrin	6.698	6.699	-0.001	111065202	75.0000	73.108
24 Endrin	6.973	6.976	-0.003	98288662	75.0000	74.214
26 4,4'-DDD	7.192	7.193	-0.001	96399925	75.0000	72.124
27 Endosulfan II	7.302	7.303	-0.001	97970173	75.0000	73.293
29 Endrin aldehyde	7.429	7.431	-0.002	82126659	75.0000	75.018
30 4,4'-DDT	7.546	7.547	-0.001	55268564	75.0000	75.524
31 Endosulfan sulfate	7.755	7.756	-0.001	85816367	75.0000	74.346
32 Methoxychlor	8.055	8.056	-0.001	27435804	75.0000	75.854
33 Endrin ketone	8.195	8.195	0.000	95622929	75.0000	72.650
34 Mirex	8.708	8.709	-0.001	60699534	75.0000	73.940
$ 35 Decachlorobiphenyl	9.983	9.987	-0.004	74592155	75.0000	72.292

Data File: /chem/GC_C.i/C040307-2.b/C#B-012f1201.d

Date : 03-APR-2007 20:26

Client ID:

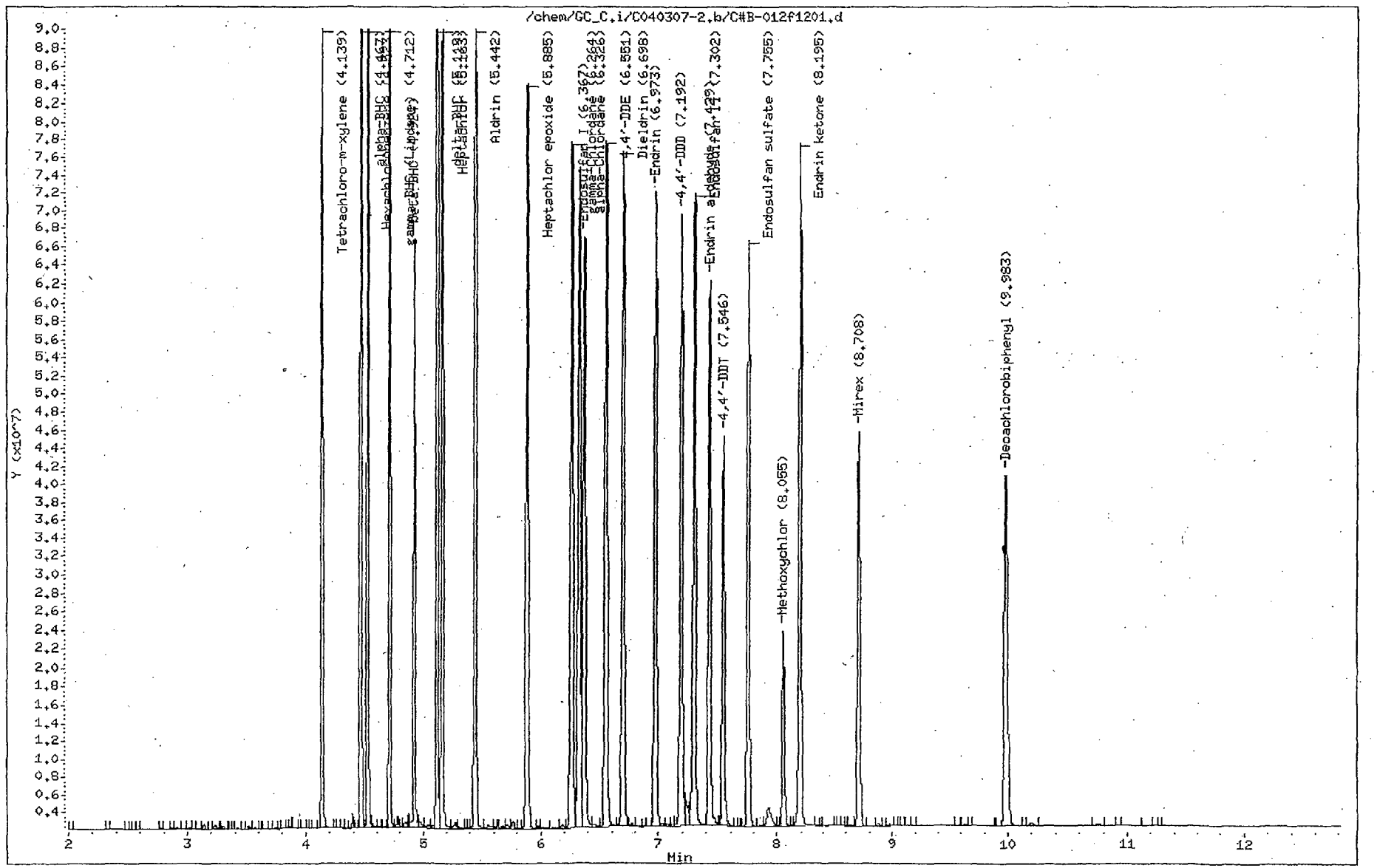
Sample Info: AB L5 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-013f1301.d
Report Date: 06-Apr-2007 14:18

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-013f1301.d
Lab Smp Id: AB L4 GSV019707
Inj Date : 03-APR-2007 20:42
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L4 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:18 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

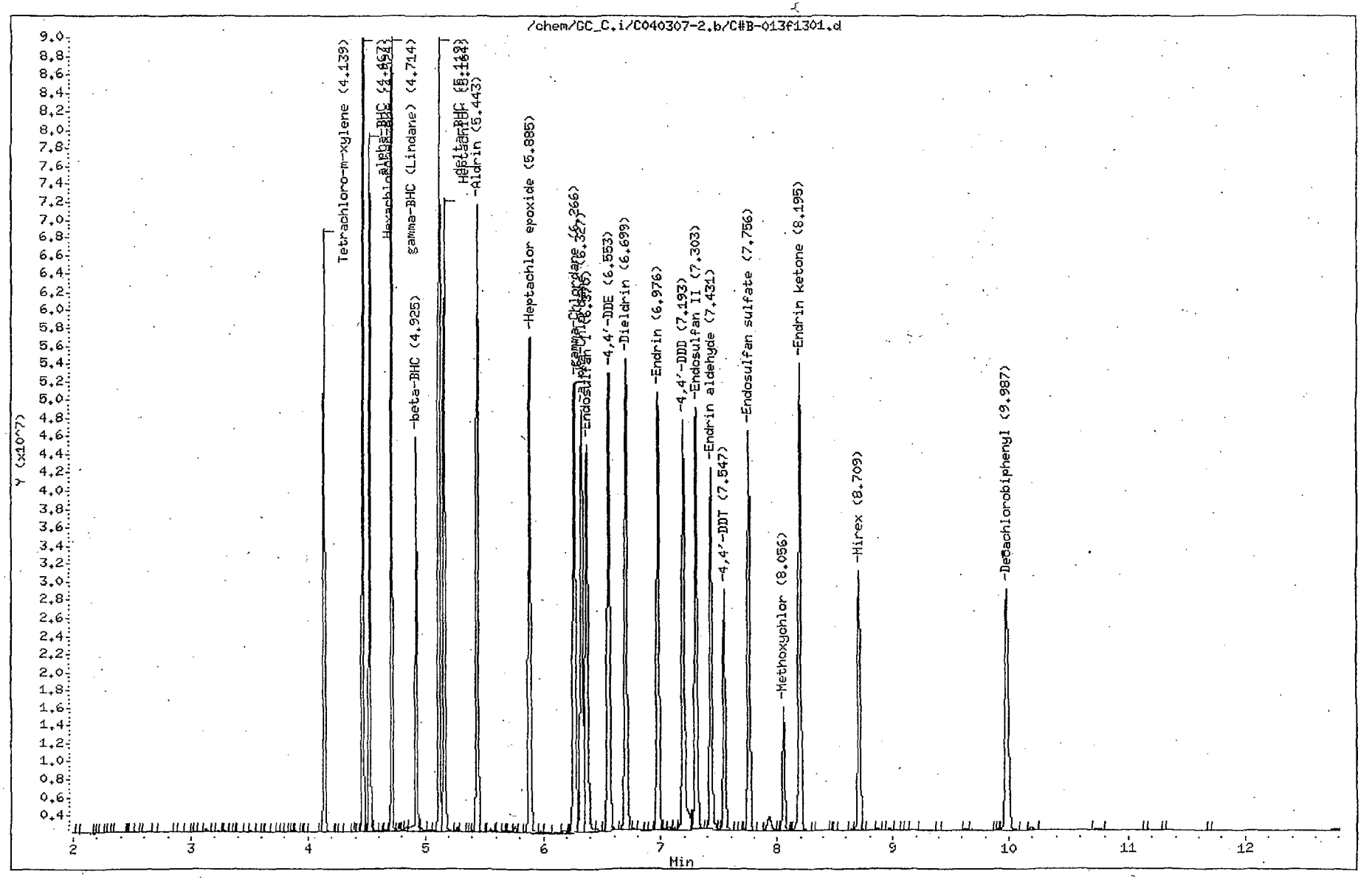
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$	1 Tetrachloro-m-xylene	4.139	4.139	0.000	58927910	50.0000	49.819
	3 alpha-BHC	4.467	4.467	0.000	93879911	50.0000	49.572
	4 Hexachlorobenzene	4.524	4.524	0.000	66049629	50.0000	50.480
	5 gamma-BHC (Lindane)	4.714	4.714	0.000	80157410	50.0000	49.185
	6 beta-BHC	4.925	4.925	0.000	38398008	50.0000	50.241
	8 delta-BHC	5.119	5.119	0.000	89446611	50.0000	49.642
	9 Heptachlor	5.164	5.164	0.000	70142380	50.0000	49.811
	12 Aldrin	5.443	5.443	0.000	78058977	50.0000	49.234
	15 Heptachlor epoxide	5.885	5.885	0.000	72328952	50.0000	49.902
	17 gamma-Chlordane	6.266	6.266	0.000	75951891	50.0000	48.783
	18 alpha-Chlordane	6.327	6.327	0.000	73182900	50.0000	48.594
	19 Endosulfan I	6.370	6.370	0.000	68732183	50.0000	50.767
	20 4,4'-DDE	6.553	6.553	0.000	74786321	50.0000	49.119
	22 Dieldrin	6.699	6.699	0.000	74710960	50.0000	49.178
	24 Endrin	6.976	6.976	0.000	66617847	50.0000	50.301
	26 4,4'-DDD	7.193	7.193	0.000	67870130	50.0000	50.779
	27 Endosulfan II	7.303	7.303	0.000	65405489	50.0000	48.931
	29 Endrin aldehyde	7.431	7.431	0.000	55344030	50.0000	50.310
	30 4,4'-DDT	7.547	7.547	0.000	34711916	50.0000	49.941
	31 Endosulfan sulfate	7.756	7.756	0.000	57848339	50.0000	49.900
	32 Methoxychlor	8.056	8.056	0.000	17837793	50.0000	49.559
	33 Endrin ketone	8.195	8.195	0.000	64243572	50.0000	48.809
	34 Mirex	8.709	8.709	0.000	40959398	50.0000	49.498
$	35 Decachlorobiphenyl	9.987	9.987	0.000	52141304	50.0000	50.122

Data File: /chem/GC_C.i/C040307-2.b/C#B-013f1301.d
Date : 03-APR-2007 20:42
Client ID:
Sample Info: AB L4 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-014f1401.d
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-014f1401.d
Lab Smp Id: AB L3 GSV019707
Inj Date : 03-APR-2007 20:58
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L3 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 20:58 Cal File: C#B-014f1401.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

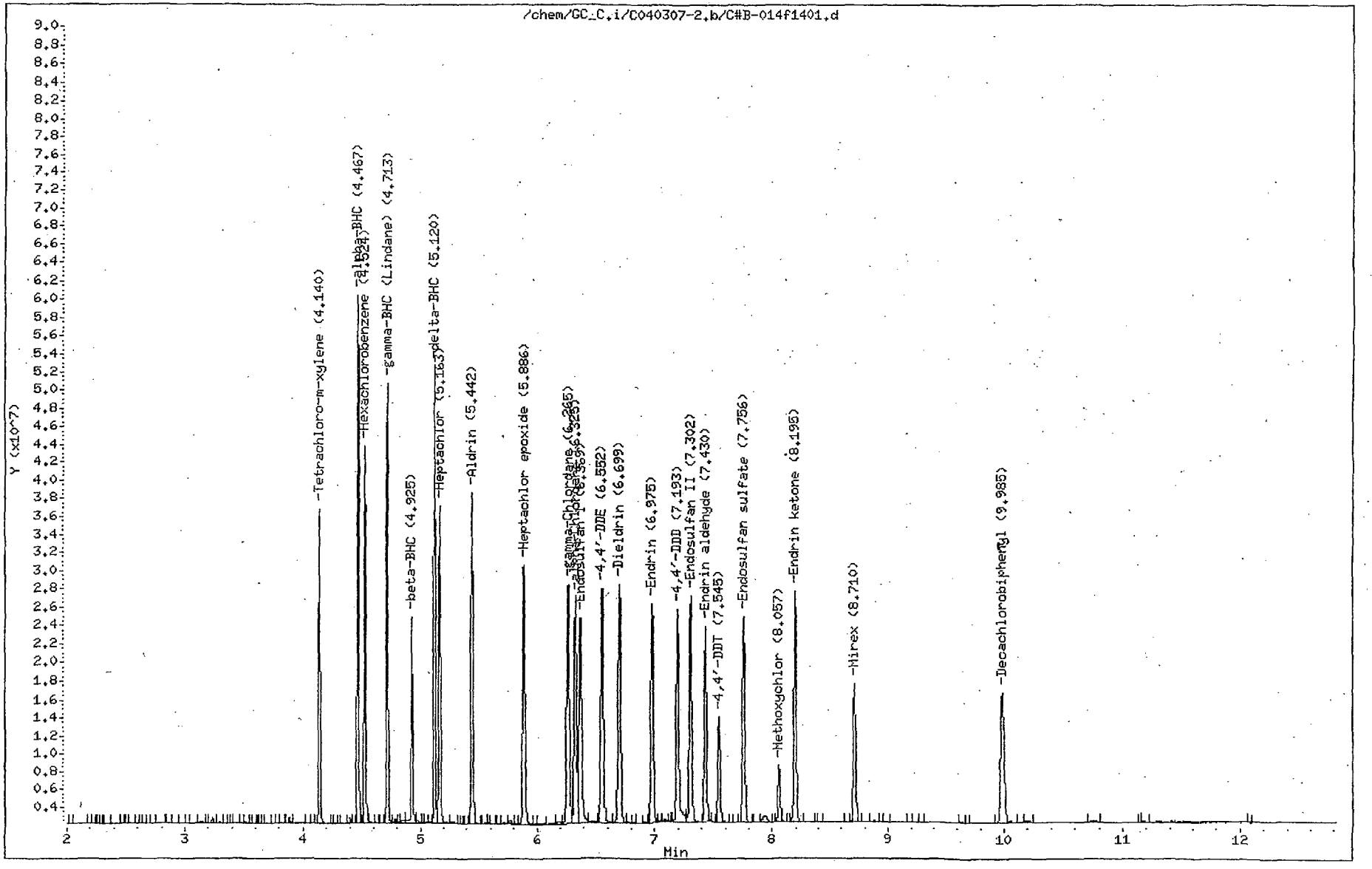
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.140	4.139	0.001	30454428	25.0000	25.517
3 alpha-BHC	4.467	4.467	0.000	48057700	25.0000	25.376
4 Hexachlorobenzene	4.524	4.524	0.000	34403536	25.0000	25.795
5 gamma-BHC (Lindane)	4.713	4.714	-0.001	40869820	25.0000	25.078
6 beta-BHC	4.925	4.925	0.000	20022606	25.0000	25.877
8 delta-BHC	5.120	5.119	0.001	45822694	25.0000	25.431
9 Heptachlor	5.163	5.164	-0.001	35518691	25.0000	25.223
12 Aldrin	5.442	5.443	-0.001	40311662	25.0000	25.426
15 Heptachlor epoxide	5.886	5.885	0.001	38254230	25.0000	26.099
17 gamma-Chlordane	6.265	6.266	-0.001	39045020	25.0000	25.078
18 alpha-Chlordane	6.325	6.327	-0.002	37614884	25.0000	24.976
19 Endosulfan I	6.369	6.370	-0.001	36002399	25.0000	25.206
20 4,4'-DDE	6.552	6.553	-0.001	38143573	25.0000	25.052
22 Dieldrin	6.699	6.699	0.000	38341066	25.0000	25.238
24 Endrin	6.975	6.976	-0.001	33960321	25.0000	25.642
26 4,4'-DDD	7.193	7.193	0.000	35141840	25.0000	26.292
27 Endosulfan II	7.302	7.303	-0.001	34124280	25.0000	25.529
29 Endrin aldehyde	7.430	7.431	-0.001	28413842	25.0000	25.466
30 4,4'-DDT	7.545	7.547	-0.002	15876883	25.0000	24.431
31 Endosulfan sulfate	7.756	7.756	0.000	29947495	25.0000	25.514
32 Methoxychlor	8.057	8.056	0.001	8516280	25.0000	24.021
33 Endrin ketone	8.195	8.195	0.000	32741576	25.0000	24.875
34 Mirex	8.710	8.709	0.001	21696878	25.0000	25.648
$ 35 Decachlorobiphenyl	9.985	9.987	-0.002	27665530	25.0000	25.952

Data File: /chem/GC_C.i/C040307-2.b/C#B-014f1401.d
Date : 03-APR-2007 20:58
Client ID:
Sample Info: AB L3 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-015f1501.d
Report Date: 06-Apr-2007 14:20

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-015f1501.d
Lab Smp Id: AB L2 GSV019707
Inj Date : 03-APR-2007 21:15
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L2 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:20 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#B-020f2001.d
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

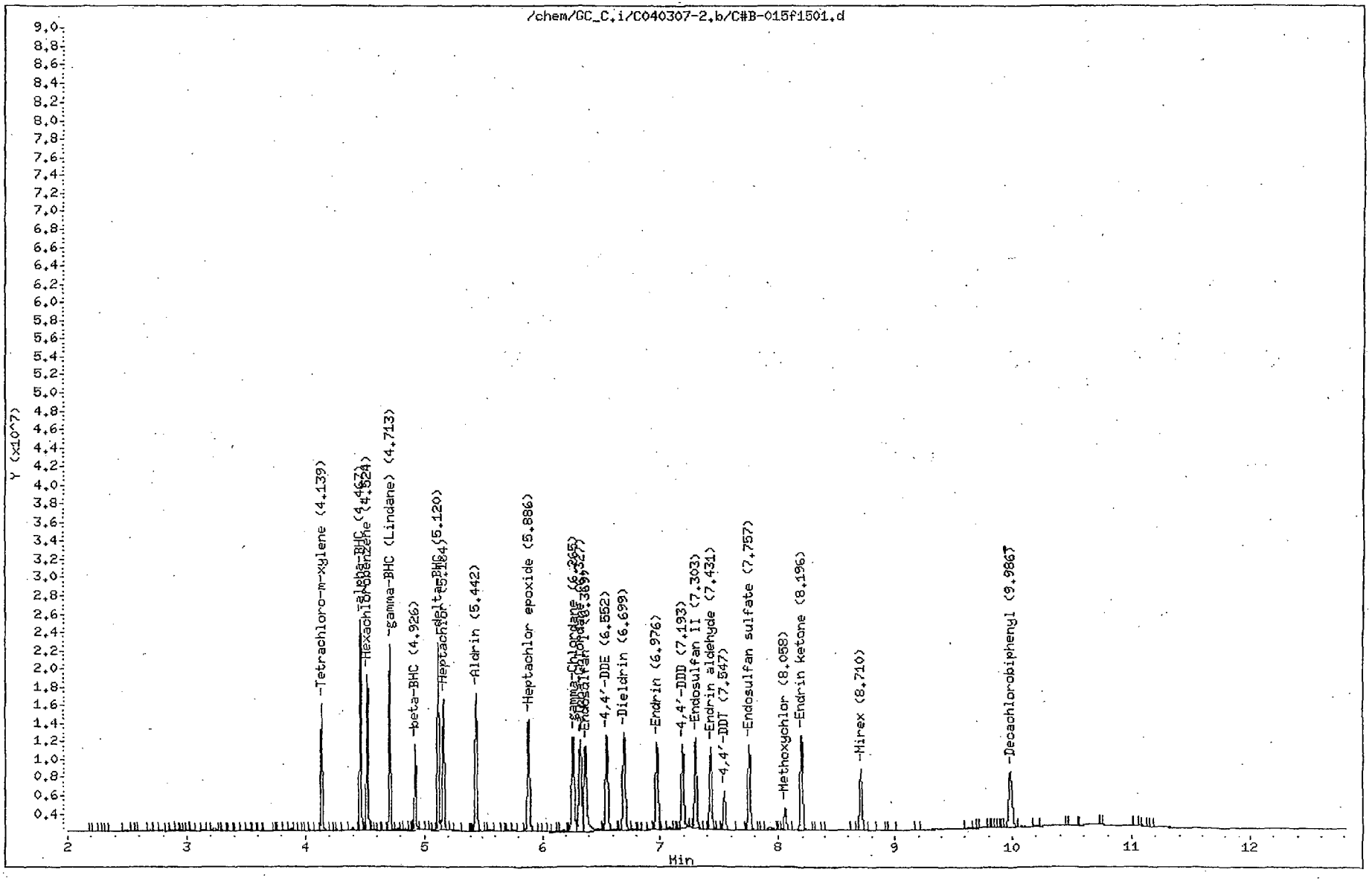
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.139	4.139	0.000	12634893	10.0000	10.308
3 alpha-BHC	4.467	4.467	0.000	19491041	10.0000	10.292
4 Hexachlorobenzene	4.524	4.524	0.000	14485890	10.0000	10.258
5 gamma-BHC (Lindane)	4.713	4.714	-0.001	16898628	10.0000	10.369
6 beta-BHC	4.926	4.925	0.001	8102548	10.0000	10.072
8 delta-BHC	5.120	5.119	0.001	18431049	10.0000	10.229
9 Heptachlor	5.164	5.164	0.000	14081850	10.0000	10.000
12 Aldrin	5.442	5.443	-0.001	16302929	10.0000	10.283
15 Heptachlor epoxide	5.886	5.885	0.001	15509449	10.0000	10.211
17 gamma-Chlordane	6.265	6.266	-0.001	16404886	10.0000	10.536
18 alpha-Chlordane	6.327	6.327	0.000	15883527	10.0000	10.547
19 Endosulfan I	6.369	6.370	-0.001	17088255	10.0000	10.435
20 4,4'-DDE	6.552	6.553	-0.001	16132422	10.0000	10.596
22 Dieldrin	6.699	6.699	0.000	15969429	10.0000	10.512
24 Endrin	6.976	6.976	0.000	13035887	10.0000	9.8429
26 4,4'-DDD	7.193	7.193	0.000	12881440	10.0000	9.6376
27 Endosulfan II	7.303	7.303	0.000	13477887	10.0000	10.083
29 Endrin aldehyde	7.431	7.431	0.000	12142212	10.0000	10.455
30 4,4'-DDT	7.547	7.547	0.000	5712430	10.0000	9.8411
31 Endosulfan sulfate	7.757	7.756	0.001	12603278	10.0000	10.354
32 Methoxychlor	8.058	8.056	0.002	3272300	10.0000	9.6540
33 Endrin ketone	8.196	8.195	0.001	13850268	10.0000	10.523
34 Mirex	8.710	8.709	0.001	9461904	10.0000	10.499
$ 35 Decachlorobiphenyl	9.986	9.987	-0.001	11850718	10.0000	10.335

Data File: /chem/GC_C.i/C040307-2.b/C#B-015f1501.d
Date : 03-APR-2007 21:15
Client ID:
Sample Info: AB L2 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-016f1601.d
Report Date: 06-Apr-2007 14:21

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-016f1601.d
Lab Smp Id: AB L1 GSV019707
Inj Date : 03-APR-2007 21:31
Operator : Michael Inst ID: GC_C.i
Smp Info : AB L1 GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:21 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 21:31 Cal File: C#B-016f1601.d
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.140	4.139	0.001	5179384	4.00000	3.9448
3 alpha-BHC	4.467	4.467	0.000	7622324	4.00000	4.0249
4 Hexachlorobenzene	4.525	4.524	0.001	6076106	5.00000	3.6983
5 gamma-BHC (Lindane)	4.714	4.714	0.000	6701437	4.00000	4.1120
6 beta-BHC	4.925	4.925	0.000	3501663	4.00000	3.9720
8 delta-BHC	5.120	5.119	0.001	7232999	4.00000	4.0143
9 Heptachlor	5.165	5.164	0.001	5647575	4.00000	4.0105
12 Aldrin	5.442	5.443	-0.001	6482907	4.00000	4.0890
15 Heptachlor epoxide	5.885	5.885	0.000	6544046	4.00000	3.9482
17 gamma-Chlordane	6.265	6.266	-0.001	6502645	4.00000	4.1765
18 alpha-Chlordane	6.327	6.327	0.000	6395508	4.00000	4.2466
19 Endosulfan I	6.370	6.370	0.000	7298741	4.00000	2.7898
20 4,4'-DDE	6.553	6.553	0.000	6213537	4.00000	4.0810
22 Dieldrin	6.700	6.699	0.001	6268896	4.00000	4.1265
24 Endrin	6.975	6.976	-0.001	5278584	4.00000	3.9857
26 4,4'-DDD	7.194	7.193	0.001	5706484	4.00000	4.2695
27 Endosulfan II	7.302	7.303	-0.001	5726378	4.00000	4.2840
29 Endrin aldehyde	7.432	7.431	0.001	5060621	4.00000	3.9224
30 4,4'-DDT	7.547	7.547	0.000	2086812	4.00000	4.4975
31 Endosulfan sulfate	7.759	7.756	0.003	5262502	4.00000	3.9379
32 Methoxychlor	8.057	8.056	0.001	1235281	4.00000	4.0732
33 Endrin ketone	8.196	8.195	0.001	5600610	4.00000	4.2551
34 Mirex	8.710	8.709	0.001	4144346	4.00000	3.9154
$ 35 Decachlorobiphenyl	9.986	9.987	-0.001	5367447	4.00000	3.9331

Data File: /chem/GC_C.i/C040307-2.b/C#B-016f1601.d

Date : 03-APR-2007 21:31

Client ID:

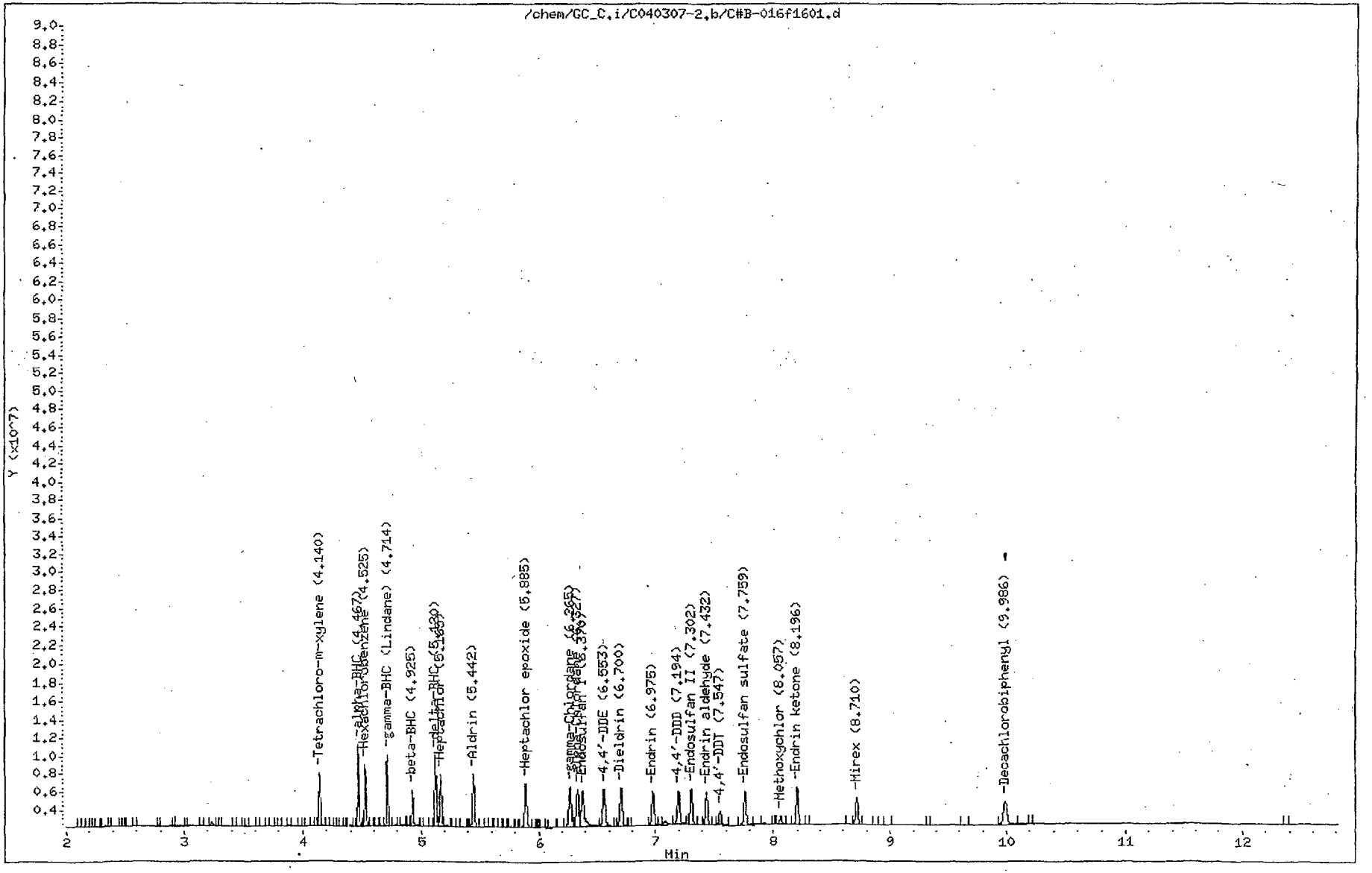
Sample Info: AB L1 GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael

Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-2.b/C#B-017f1701.d Page 1
Report Date: 06-Apr-2007 14:21

STL Denver

Data file : /chem/GC_C.i/C040307-2.b/C#B-017f1701.d
Lab Smp Id: AB SS GSV019707
Inj Date : 03-APR-2007 21:47
Operator : Michael Inst ID: GC_C.i
Smp Info : AB SS GSV019707
Misc Info : Column 2 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-2.b/C_8081_2.m
Meth Date : 06-Apr-2007 14:21 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 21:31 Cal File: C#B-016f1601.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 3.50
Processing Host: chemsv04

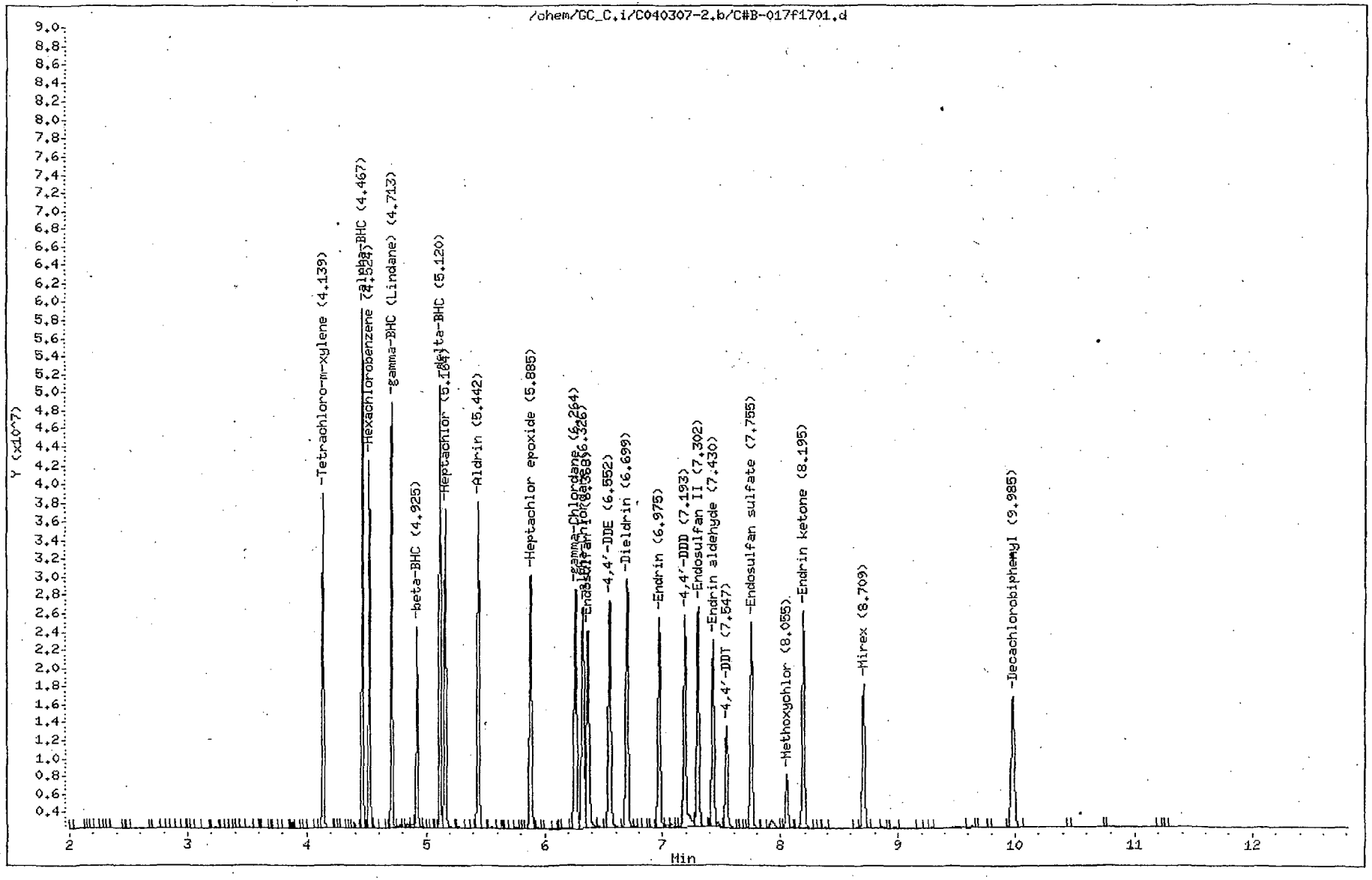
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 1 Tetrachloro-m-xylene	4.139	4.139	0.000	32178112	25.0000	26.988
3 alpha-BHC	4.467	4.467	0.000	47458125	25.0000	25.060
4 Hexachlorobenzene	4.524	4.524	0.000	34621680	25.0000	25.965
5 gamma-BHC (Lindane)	4.713	4.714	-0.001	40171321	25.0000	24.649
6 beta-BHC	4.925	4.925	0.000	19234447	25.0000	24.832
8 delta-BHC	5.120	5.119	0.001	43316704	25.0000	24.040
9 Heptachlor	5.164	5.164	0.000	34373239	25.0000	24.410
12 Aldrin	5.442	5.443	-0.001	39208128	25.0000	24.730
15 Heptachlor epoxide	5.885	5.885	0.000	36835182	25.0000	25.108
17 gamma-Chlordane	6.264	6.266	-0.002	38143385	25.0000	24.499
18 alpha-Chlordane	6.326	6.327	-0.001	37052537	25.0000	24.603
19 Endosulfan I	6.368	6.370	-0.002	34795462	25.0000	24.264
20 4,4'-DDE	6.552	6.553	-0.001	37049339	25.0000	24.334
22 Dieldrin	6.699	6.699	0.000	38463206	25.0000	25.318
24 Endrin	6.975	6.976	-0.001	31896511	25.0000	24.084
26 4,4'-DDD	7.193	7.193	0.000	35230754	25.0000	26.359
27 Endosulfan II	7.302	7.303	-0.001	33163567	25.0000	24.810
29 Endrin aldehyde	7.430	7.431	-0.001	27418004	25.0000	24.548
30 4,4'-DDT	7.547	7.547	0.000	14674885	25.0000	22.735
31 Endosulfan sulfate	7.755	7.756	-0.001	29563917	25.0000	25.178
32 Methoxychlor	8.055	8.056	-0.001	7812491	25.0000	22.093
33 Endrin ketone	8.195	8.195	0.000	31038342	25.0000	23.581
34 Mirex	8.709	8.709	0.000	21716123	25.0000	25.672
$ 35 Decachlorobiphenyl	9.985	9.987	-0.002	27336690	25.0000	25.628

Data File: /chem/GC_C.i/C040307-2.b/C#B-017f1701.d
Date : 03-APR-2007 21:47
Client ID:
Sample Info: AB SS GSV019707

Column phase: CLP-PEST I

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32



Data File: /chem/GC_C.i/C040307-1.b/C#A-018f1801.d Page 1
Report Date: 06-Apr-2007 14:27

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-018f1801.d
Lab Smp Id: TOX L1 GSV119006
Inj Date : 03-APR-2007 22:03
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:27 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.599	5.599	0.000	3767149	200.000	200.00	80.00- 120.00	100.00(M)
5.961	5.961	0.000	3255957	200.000	200.00	66.90- 100.35	86.43
6.605	6.605	0.000	7853021	200.000	200.00	164.49- 246.73	208.46
7.033	7.033	0.000	4587622	200.000	200.00	110.77- 166.16	121.78
7.576	7.576	0.000	5072398	200.000	200.00	166.43- 249.64	134.65

Average of Peak Amounts = 200

QC Flag Legend

M - Compound response manually integrated.

700

Data File: /chem/GC_C.i/C040307-1.b/C#A-018f1801.d
Date : 03-APR-2007 22:03
Client ID:
Sample Info: TOX L1 GSV119006

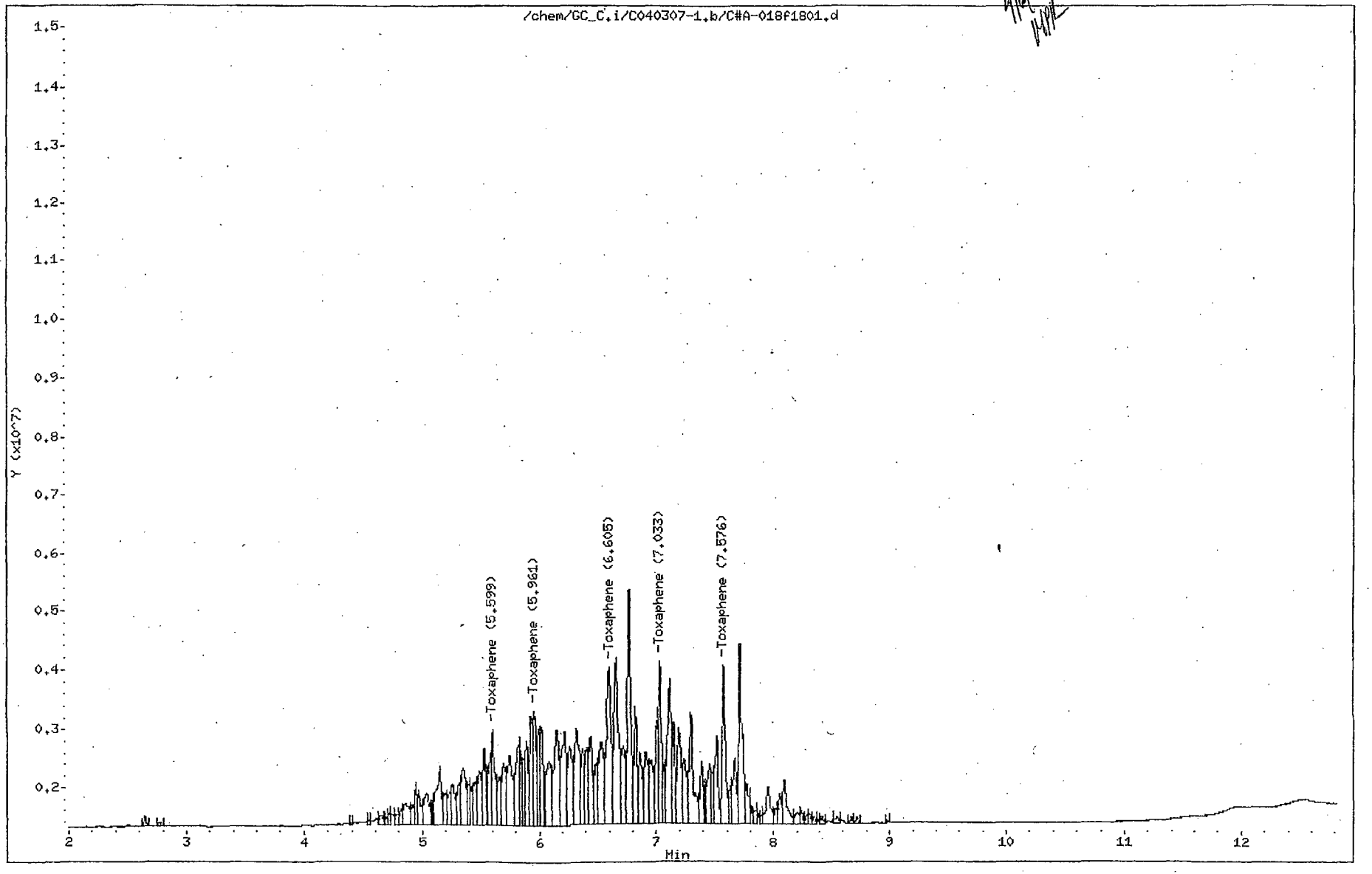
Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

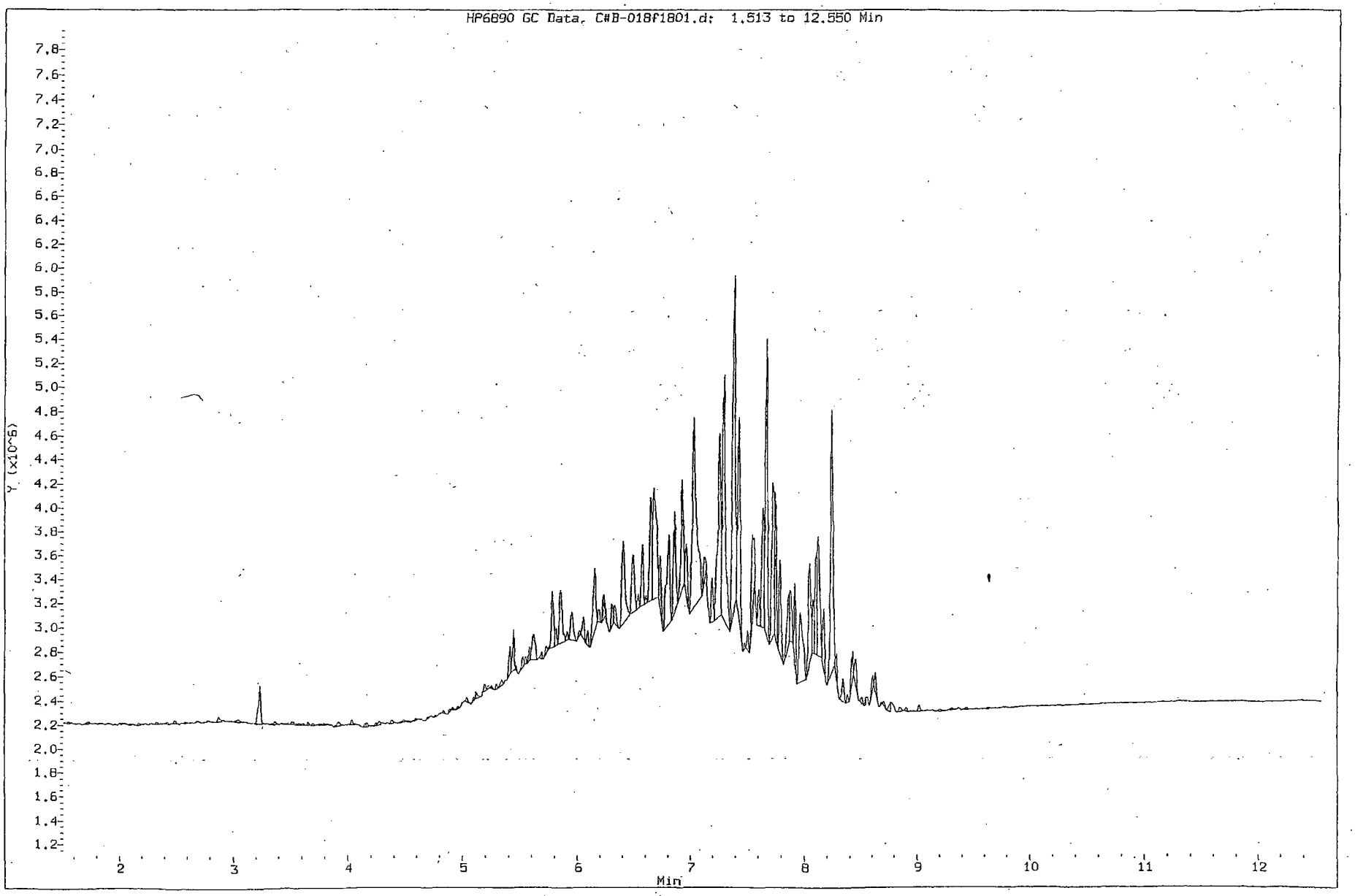
CL 4/6/07



701

Data File: /chem/GC_C.i/C040307-2.b/C#B-018f1801.d
Injection Date: 03-APR-2007 22:03
Instrument: GC_C.i
Client Sample ID:

ORIGINAL



Data File: /chem/GC_C.i/C040307-1.b/C#A-019f1901.d
Report Date: 06-Apr-2007 14:27

STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-019f1901.d
Lab Smp Id: TOX SS GSV119006
Inj Date : 03-APR-2007 22:19
Operator : Michael Inst ID: GC_C.i
Smp Info : TOX SS GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:27 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 19 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
16 Toxaphene					CAS #: 8001-35-2		
5.597	5.599	-0.002	3293366	200.000	174.85	80.00- 120.00	100.00(M)
5.957	5.961	-0.004	2754112	200.000	169.17	66.90- 100.35	83.63
6.601	6.605	-0.004	6771443	200.000	172.45	164.49- 246.73	205.61
7.034	7.033	0.001	4560162	200.000	198.80	110.77- 166.16	138.47
7.575	7.576	-0.001	6851407	200.000	270.14	166.43- 249.64	208.04
Average of Peak Amounts =					197		

QC Flag Legend

M - Compound response manually integrated.

703

Data File: /chem/GC_C.i/C040307-1.b/C#A-019f1901.d
Date : 03-APR-2007 22:19
Client ID:
Sample Info: TOX SS GSV119006

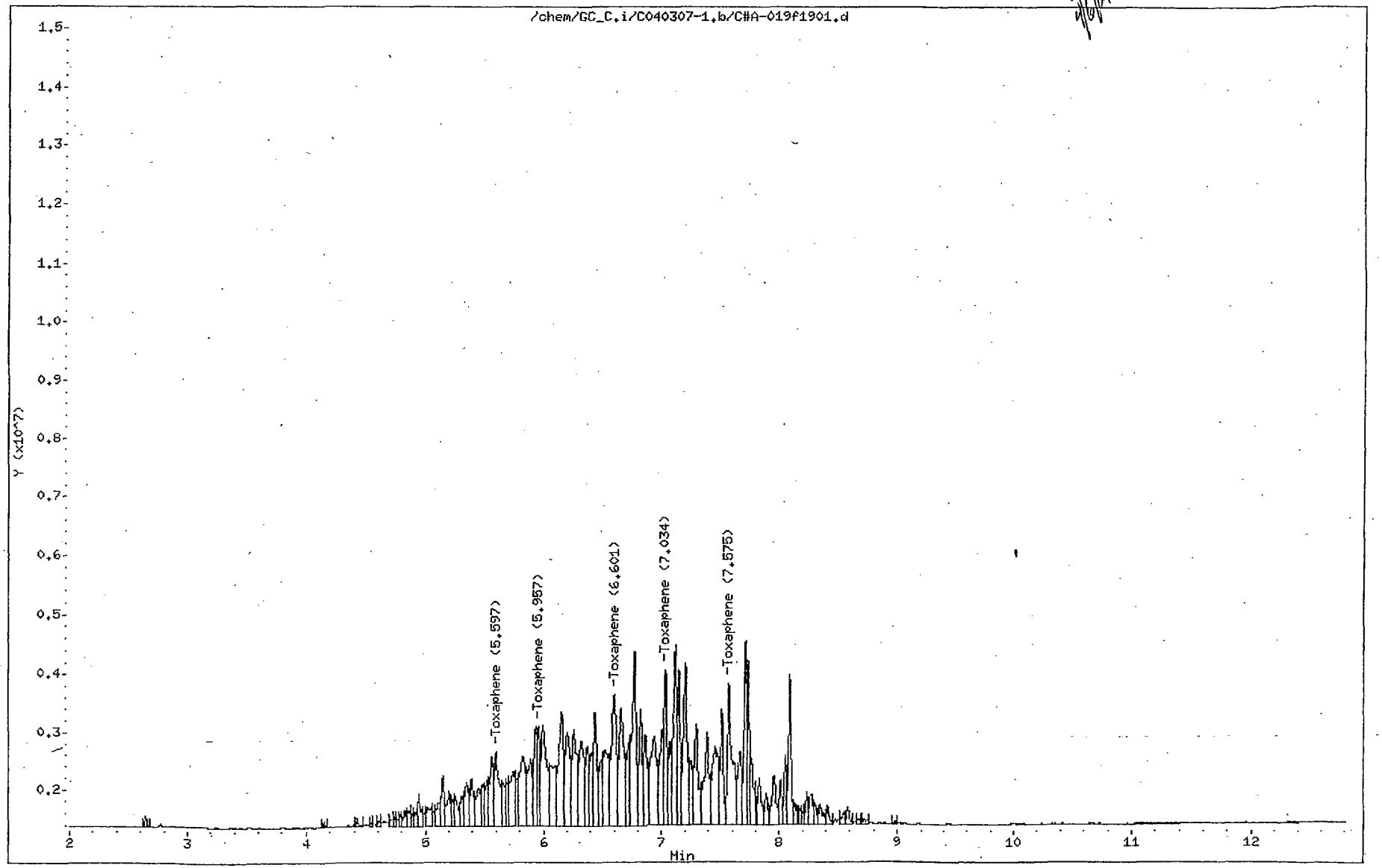
Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32

BAS - Baseline Event

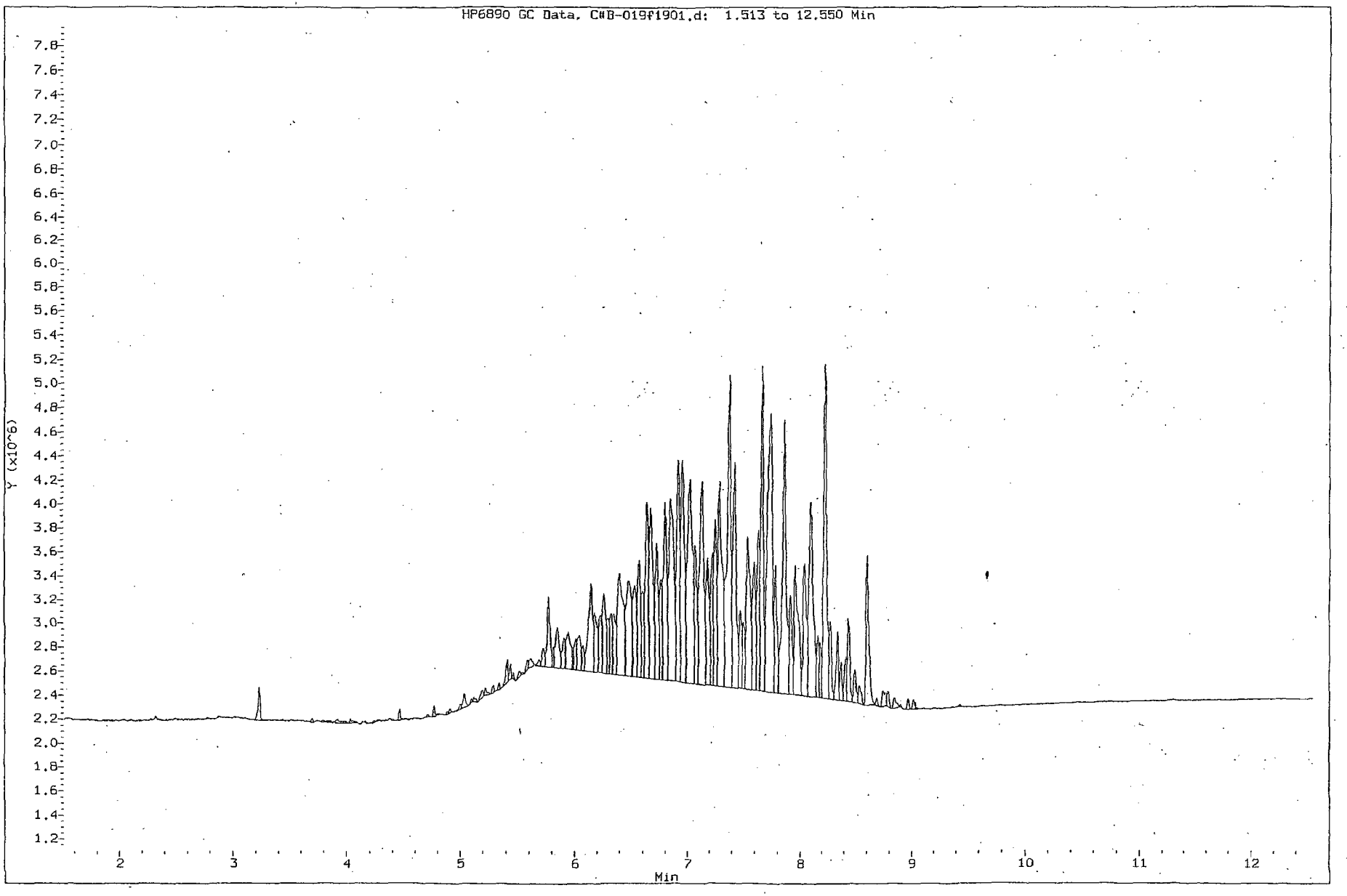
CL 4/6/07



704

Data File: /chem/GC_C.i/C040307-2.b/C#B-019f1901.d
Injection Date: 03-APR-2007 22:19
Instrument: GC_C.i
Client Sample ID:

ORIGINAL



Data File: /chem/GC_C.i/C040307-1.b/C#A-020f2001.d Page 1
Report Date: 06-Apr-2007 14:27

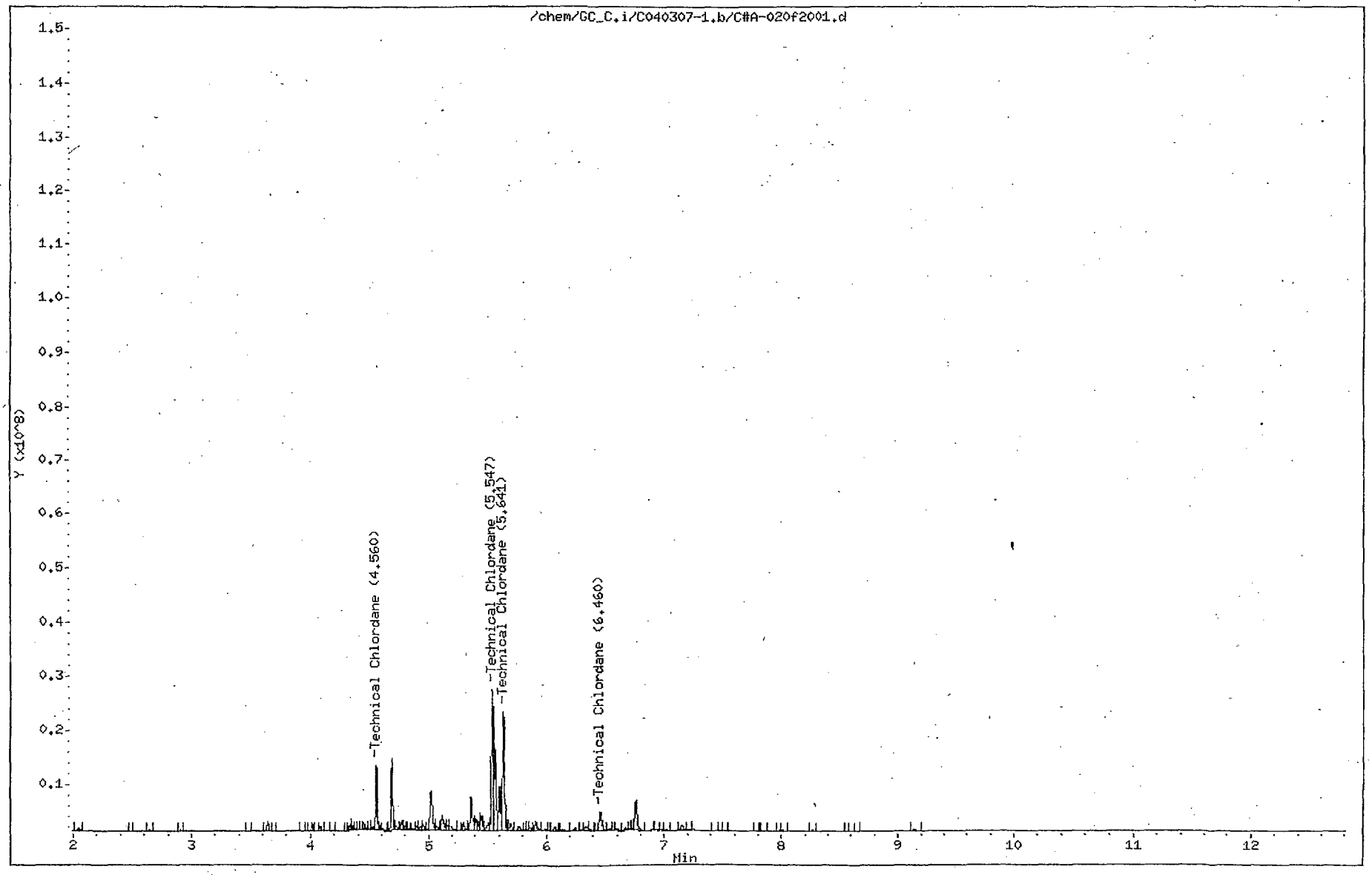
STL Denver

Data file : /chem/GC_C.i/C040307-1.b/C#A-020f2001.d
Lab Smp Id: CHL L1 GSV119006
Inj Date : 03-APR-2007 22:35
Operator : Michael Inst ID: GC_C.i
Smp Info : CHL L1 GSV119006
Misc Info : Column 1 ICAL 03-22-06
Comment :
Method : /chem/GC_C.i/C040307-1.b/C_8081_1.m
Meth Date : 06-Apr-2007 14:27 lahrc Quant Type: ESTD
Cal Date : 03-APR-2007 22:35 Cal File: C#A-020f2001.d
Als bottle: 20 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-CHLORDANE.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: chemsv04

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)	TARGET RANGE	RATIO
6 Technical Chlordane					CAS #: 57-74-9		
4.560	4.560	0.000	10456139	100.000		80.00- 120.00	100.00
5.547	5.547	0.000	29357372	100.000		224.61- 336.92	280.77
5.641	5.641	0.000	25433333	100.000		194.59- 291.89	243.24
6.460	6.460	0.000	6255204	100.000		47.86- 71.79	59.82

Data File: /chem/GC_C.i/C040307-1.b/C#A-020f2001.d
Date : 03-APR-2007 22:35
Client ID:
Sample Info: CHL L1 GSV119006

Column phase: CLP-PEST II

Instrument: GC_C.i

Operator: Michael
Column diameter: 0.32